

# THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

30-30 THOMSON AVENUE LONG ISLAND CITY, NEW YORK 11101-3045 TELEPHONE (718) 391-1000 WEBSITE www.nyc.gov/buildnyc

## VOLUME 1 OF 3 BID BOOKLET

LAW

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

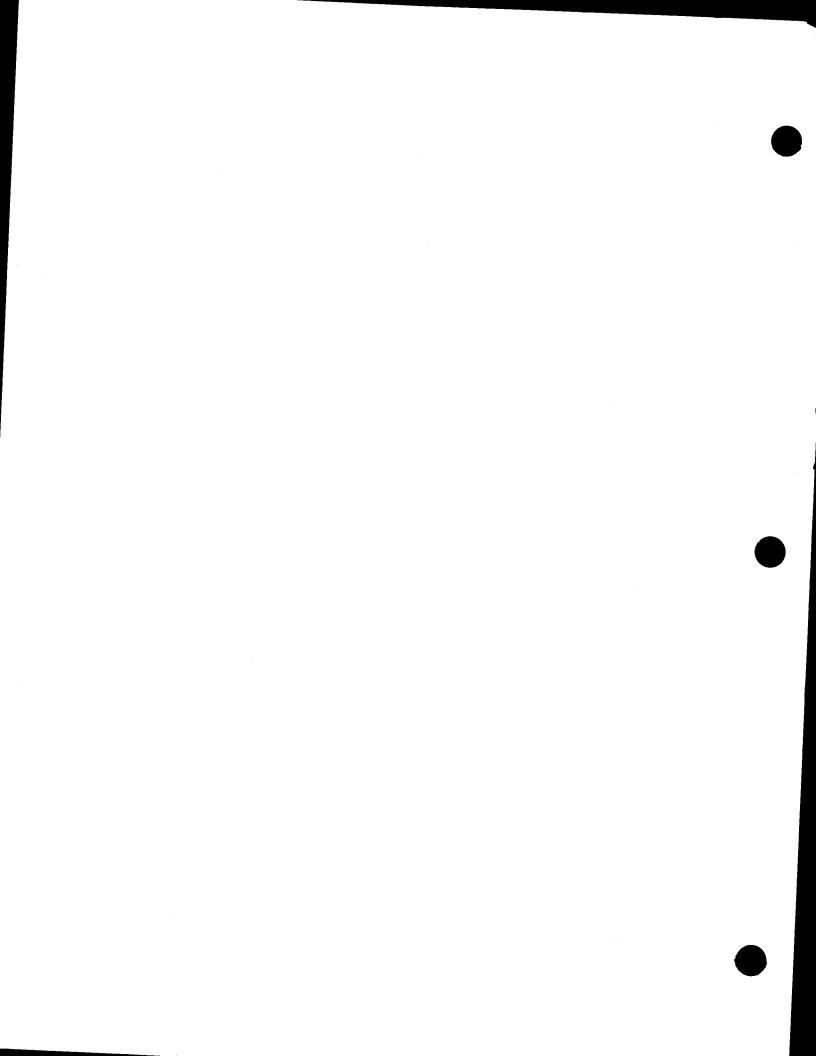
BOROUGH OF THE BRONX CITY OF NEW YORK

FOR THE DEPARTMENT OF TRANSPORTATION PREPARED BY WEIDLINGER ASSOCIATES, Consulting Engineers PC



JANUARY 2, 2013

NYSDOT PIN X770.18  Fed. Aid Project No	
Bid Opening 11:00 A.M. on  Location 1st Floor Bid Room, 30-30 Thomson Ave., Long Island City,	N.Y. 11101



#### **Bid Tab**

Descripti	ion	INCLUDING RESURFA	OF GRAND CONCOURSE ACING OF THE MAIN RO ANS FROM EAST 166TH GH OF THE BRONX	OADWAY AND	
Bid Date	;	8/27/2013	FMS ID	HWXP136A	
Estimate	ed Cost	\$31,727,950.00	DEP Supervised	No	
Bid Secu	rity	2% of Total Bid Price	PLA	No	
Time All	lowed	730 CCD	Contract Manager	Nejla Hubbard	
Addendi	um	6	Project Manager	Rawal, Aniruddh	
PIN		8502012HW0039C	E-PIN	85013B0079001	
Selective	e Bidding	□Yes ⊠No	Consultant	Weidlinger Associates	
Bid Rank		Vendor	Bid Amount	Security Type	
1	DEBOE CON	STRUCTION CORP.	\$26,995,000	.00 Bond	
2	P & T II CON	TRACTING CORP.	\$28,861,940	.10 Bond	
3	C.A.C. INDUS	STRIES, INC.	\$31,272,363	3.18 Bond	
4	LAWS CONS	TRUCTION CORP.	\$31,625,000	0.00 Bond	
5	TROCOM CO	ONSTRUCTION CORP	\$32,936,548	Bond	
6	PERFETTO (	CONTRACTING CO. INC	\$33,644,914	4.00 Bond	
7	TRIUMPH C	ONSTRUCTION CORP.	\$34,486,694	4.32 Bond	
8	ADC CONST	RUCTION LLC	\$37,120,990	0.50 Bond	
9	JLJ IV ENTE	ERPRISES INC.	\$38,595,920	6.20 Bond	
10	TULLY CON	STRUCTION CO. INC.	\$38,637,434	4.00 Bond	
11	J. D'ANNUN	ZIO & SONS, INC.	\$53,143,000	0.00 Bond	

Recorder: Phyllis Lopez - ext. 1283

Approver: elloy William

Bid Tab

Pin: 8502012HW0039C

Page 1 of 1



RAMON RODRIQUEZ Agency Chief Contracting Officer

February 26, 2014

**CERTIFIED MAIL - RETURN RECEIPT REQUEST** DEBOE CONSTRUCTION CORP. 6 Elks Court Huntington, NY 11743

> RE: FMS ID: HWXP136A

> > E-PIN: 85013B0079001001 DDC PIN: 8502012HW0039C RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO 171STREET - BOROUGH OF THE

BRONX

NOTICE OF AWARD

#### Dear Contractor:

You are hereby awarded the above referenced contract based upon your bid in the amount of \$26,995,000.00 submitted at the bid opening on August 27, 2013. Within ten (10) days of your receipt of this notice of award, you are required to take the actions set forth in Paragraphs (1) through (3) below. For your convenience, attached please find a copy of Schedule A of the General Conditions to the Contract, which sets forth the types and amounts of insurance coverage required for this contract.

- Execute four copies of the Agreement in the Contracts Unit, 30-30 Thomson Avenue, 1st (1) Floor, Long Island City, New York (IDCNY Building). A Commissioner of Deeds will be available to witness and notarize your signature. The Agreement must be signed by an officer of the corporation or a partner of the firm.
- Submit to the Contracts Unit four properly executed performance and payment bonds. If (2) required for this contract, copies of performance and payment bonds are attached.
- Submit to the Contracts Unit the following insurance documentation: (a) original (3)certificate of insurance for general liability in the amount required by Schedule A, and (b) original certificates of insurance or other proof of coverage for workers' compensation and disability benefits, as required by New York State Law. The insurance documentation specified in this paragraph is required for registration of the contract with the Comptroller's Office.



On or before the contract commencement date, you are required to submit all other certificates of insurance and/or policies in the types and amounts required by Schedule A. Such certificates of Insurance and/or policies must be submitted to the Agency Chief Contracting Office, Attention: Risk Manager, Fourth Floor at the above indicated department address.

Your attention is directed to the section of the Information for Bidders entitled "Failure to Execute Contract". As indicated in this section, in the event you fail to execute the contract and furnish the required bonds within the (10) days of your receipt of this notice of award, your bid security will be retained by the City and you will be liable for the difference between your bid price and the price for which the contract is subsequently awarded, less the amount of the bid security retained.

Sincerely,

Lorraine Holley

#### SPECIAL NOTICE TO BIDDERS

The New York City Department of Small Business Services (SBS), in conjunction with the New York Business Development Corporation (NYBDC), have established a NYC Construction Loan pilot program to provide prime contractors and subcontractors financing for mobilization costs on certain City construction projects.

Under this initiative, loans are available for early stage mobilization needs such as insurance, labor, supplies and equipment. Bidders are strongly encouraged to visit "Growing Your Business" at <a href="www.nyc.gov/nycbusiness">www.nyc.gov/nycbusiness</a> to learn more about the loan or contact <a href="constructionloan@sbs.nyc.gov">contact</a> constructionloan@sbs.nyc.gov</a> / (212) 513-6444 to obtain details and to determine preliminary eligibility.

A successful loan applicant will be required to make an assignment of its contract (or subcontract) payments to the lender NYBDC until the loan is repaid. If the loan is to a subcontractor, a prime contractor must honor the terms of such an assignment.

A prime contractor may not discriminate against a subcontractor or potential subcontractor by reason of the subcontractor's participation, or nonparticipation, in the NYC Construction Loan program.

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### **CITY OF NEW YORK**

## DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

## **BID BOOKLET**

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

**Together With All Work Incidental Thereto** 

BOROUGH OF THE BRONX CITY OF NEW YORK (NO TEXT ON THIS PAGE)

#### PROJECT ID: HWXP136A

# CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

#### **BID BOOKLET**

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# CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

#### SPECIAL NOTICE TO BIDDERS

#### **BID SUBMISSION REQUIREMENTS**

### THE FOLLOWING DOCUMENTS ARE TO BE COMPLETED AND SUBMITTED WITH THE BID:

- 1. Bid Schedule and Bid Form, including Affirmation
- 2. Bid Security (if required, see Attachment 1 on Page A-1)
- 3. Schedule B: M/WBE Utilization Plan (if participation goals have been established)

## FAILURE TO SUBMIT ITEMS (1), (2) AND (3) WILL RESULT IN THE DISQUALIFICATION OF THE BID.

- 4. Safety Questionnaire
- 5. Construction Employment Report (if bid is \$1,000,000 or more)
- 6. Contract Certificate (if bid is less than \$1,000,000)
- 7. Confirmation of Vendex Compliance
- 8. Bidder's Certification of Compliance with Iran Divestment Act
- 9. Special Experience Requirements (if applicable)
- 10. Apprenticeship Program Questionnaire (if applicable)
- 11. Any addenda issued prior to the receipt of bids

## FAILURE TO SUBMIT ITEMS (4) THROUGH (11) MAY RESULT IN THE DISQUALIFICATION OF THE BID.

#### NOTES:

- (1) All of the above referred to blank forms to be completed and submitted with the bid are included in the BID BOOKLET.
- (2) If the bidder has any questions or requires additional information, please contact the Department of Design and Construction by phone (718-391-2601) or by fax (718-391-2615).
- (3) <u>VENDEX QUESTIONNAIRES</u>: The Bidder is advised that Vendex Questionnaires and procedures have been changed. Vendex Questionnaires, as well as detailed instructions, may be obtained at <u>www.nyc.gov/vendex</u>. The bidder may also obtain Vendex forms and instructions by contacting the Agency Chief Contracting Officer or the contact person for this contract.
- (4) <u>SPECIAL EXPERIENCE REQUIREMENTS</u>: The Bidder is advised that Special Experience Requirements may apply to this contract. Such requirements are set forth on pages 3 and 4 of this Bid Booklet.

# SPECIAL NOTICE TO BIDDERS SPECIAL EXPERIENCE REQUIREMENTS (Revised 02/2007)

(A) EXPERIENCE REQUIREMENTS FOR THE BIDDER: The bidder must, within the last seven (7) consecutive years prior to the bid opening, have successfully completed in a timely fashion at least one (1) project similar in scope and type to the required work. Such prior project may have been performed as a prime contractor, subcontractor or sub-subcontractor.

The requirements set forth below under Article (B) apply to this contract where indicated by a blackened box  $(\blacksquare)$  or by X in a  $\square$  to left.

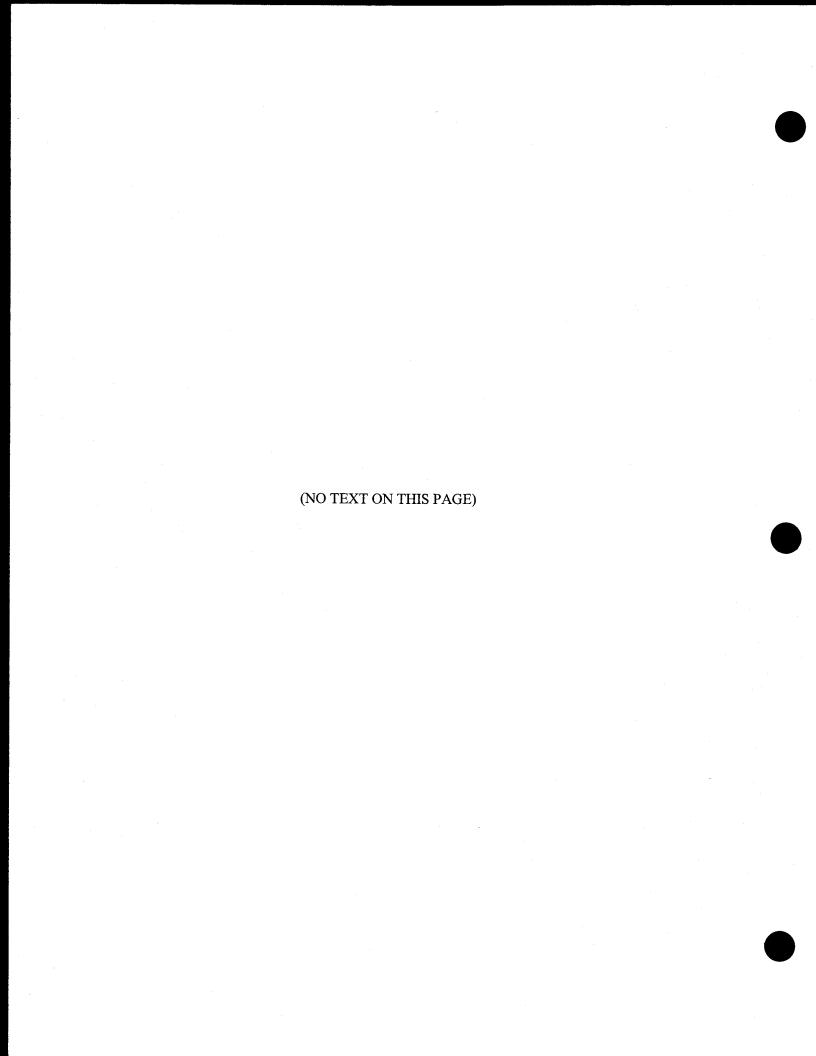
- ☐ (B) EXPERIENCE REQUIREMENTS FOR INSTALLER OF TRUNK WATER MAIN: The special experience requirements set forth below apply to the contractor who will install the Trunk Water Main. If the bidder intends to perform such work itself, it must demonstrate compliance with the special experience requirements. If the bidder intends to subcontract this work, the proposed subcontractor must demonstrate compliance with the special experience requirements. Once approved, no substitution will be permitted, unless the qualifications of the proposed replacement have been approved in writing in advance by the City.
  - (1) The contractor who will install the Trunk Water Main must, within the last seven (7) consecutive years prior to the bid opening, have successfully completed in a timely fashion at least one (1) project similar in scope and type to the required work. Such prior project may have been performed as a prime contractor, subcontractor or subsubcontractor.
- (C) <u>SUBMISSION REQUIREMENTS</u>: For each project submitted to meet the experience requirements set forth above, the bidder must complete and submit the Qualification Form set forth in the Bid Booklet. Separate Qualification Forms shall be provided for bidder and the contractor who will install the Trunk Water Main.
- (D) <u>CONDITIONS</u>: In determining compliance with the special experience requirements for the bidder set forth above, the City may consider prior projects completed by principal(s) or other employees of the bidder while affiliated with another entity, subject to the conditions set forth below.
  - (1) Any principal or other employee on whose prior experience the bidder is relying to demonstrate compliance with this special experience requirement must have held the following: (a) a significant management role in the prior entity with which he/she was affiliated, and (b) a significant management role in the entity submitting the bid for a period of six months or more from the inception of the bidding entity.
  - (2) The bidder may not rely on the experience of its principals or other employees to demonstrate compliance with any other requirements, including without limitation, financial requirements or requirements for a specified minimum amount of annual gross revenues.
- (E) <u>JOINT VENTURES</u>: In the event the bidder is a joint venture, at least one firm in the joint venture must meet the above described experience requirements.
- (F) <u>COMPLIANCE</u>: Compliance with the experience requirements set forth herein will be determined solely by the City, prior to an award of contract. The bidder is advised that failure to meet the above described experience will result in the rejection of the bid as non-responsive.

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#### **Qualification Form**

List previous projects completed to meet the special experience requirements for this contract. Please photocopy this form for submission of all required projects.

Name of Contractor:
Name of Project:
Location of Project:
Owner or Owner's representative (Architect or Engineer) who is familiar with the work performed:
Name:
Title: Phone Number:
Brief description of the Project completed or the Project in progress:
Was the Project performed as a prime, a subcontractor or a sub-subcontractor:
Amount of Contract, Subcontract or Sub-subcontract:
Start Date and Completion Date:
************
Name of Contractor:
Name of Project:
Location of Project:
Owner or Owner's representative (Architect or Engineer) who is familiar with the work performed:
Name:
Title: Phone Number:
Brief description of the Project completed or the Project in progress:
Was the Project performed as a prime, a subcontractor or a sub-subcontractor:
Amount of Contract, Subcontract or Sub-subcontract:
Start Date and Completion Date:



#### **ATTACHMENT 1 - BID INFORMATION**

PROJECT ID: HWXP136A PIN: 8502012HW0039C

#### **Description and Location of Work:**

# RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO EAST 171ST STREET

#### INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

#### BOROUGH OF THE BRONX CITY OF NEW YORK

	t Security: Required for contracts in the amount of \$1,000,000 or more. Performance purity shall each be in an amount equal to 100% of the Contract Price.
	than \$1,000,000.  (1) Bond in an amount not less than 10% of the TOTAL BID PRICE set forth on the Bid Form, OR  (2) Certified Check in an amount not less than 5% of the TOTAL BID PRICE set forth on the Bid Form.
Bid Security:	Location:  Bid Security is required in the amount set forth below; provided, however, bid security is not required if the TOTAL BID PRICE set forth on the Bid Form is less
Pre-Bid Conference:	Time and Date: 11:00 A.M. on AUGUST 27, 2013         Yes No X         If Yes, Mandatory Optional:         Time and Date:
Bid Opening:	30-30 Thomson Avenue First Floor Bid Procurement Room Long Island City, New York 11101
Submission of Bids To:	30-30 Thomson Avenue First Floor Bid Procurement Room Long Island City, New York 11101 Before 11:00 A.M. onAUGUST 27, 2013
Documents Available At:	30-30 Thomson Avenue First Floor Bid Procurement Room Long Island City, New York 11101 8:30 A.M. to 4:00 P.M. – Monday through Friday

#### BID SCHEDULE

#### NOTICE TO BIDDERS

Items listed in this Bid Schedule which have one (1) digit followed by a decimal (e.g. 4.02 AG) excluding items beginning with the number "8.01", shall comply with the requirements of the corresponding numerical Sections of the NYCDOT Standard Highway Specifications as amended by Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with the number "8.01" (e.g. 8.01 C1) shall comply with the requirements of Addendum No. 5, herein Volume 3 of 3.

Items listed in this Bid Schedule which have two (2) digits beginning with the number "5" followed by a decimal (e.g. 52.11D12) shall comply with the requirements of the New York City Department of Environmental Protection (NYCDEP) Standard Sewer Specifications dated August 1, 2009, as amended by Addendum No. 4 herein Volume 3 of 3.

Items listed in this Bid Schedule which have two (2) digits beginning with the number "6" followed by a decimal (e.g. 60.11R608) shall comply with the requirements of the New York City Department of Environmental Protection (NYCDEP) Standard Water Main Specifications dated August 1, 2009, and as amended by Addendum No. 4, herein Volume 3 of 3.

Items listed in the Bid Schedule which have two (2) digits beginning with the number "7" followed by a decimal (e.g. 70.61RE), shall comply with the requirements of the New York City Department of Environmental Protection (NYCDEP) Standard Sewer Specifications, dated August 1, 2009, or the NYCDEP Standard Water Main Specifications, dated August 1, 2009, as applicable, and as amended by Addendum No. 4, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with "NYC-" (e.g. NYC-665.16000011), are modified or new versions of the New York State Department of Transportation (NYSDOT) Standard or Special Specifications and shall comply with the corresponding numerical Sections incorporated in Addendum No. 1, herein Volume 3 of 3. However, all references therein to the "Department", "Materials Bureau", "Regional Engineer", etc., shall be deemed to mean the "Engineer". Where any reference is made on the plans or specifications to the "State" or any of its officials, the Contractor shall substitute the City of New York, Department of Design and Construction, or any of its appropriate officials. The NYSDOT Specifications described above neither imply the State's involvement in any testing and approval of materials, nor in the supervision of construction.

Items listed in this Bid Schedule beginning with the prefix "SL-" (e.g. SL-21.08.01) are Street Lighting Items less the prefix which shall be done in accordance with the requirements of Sub-Section 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications, except for Item No. "SL-22.06.19", which shall comply with the requirements of Item No. SL-22.06.19 in Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with the prefix "T-" (e.g. T-2.22) are Traffic Items less the prefix which shall be done in accordance with the requirements of Sub-Section 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications, except for Item No. "T-60000B, which shall comply with the requirements of Section T-60000B in Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with the prefix "UTL-" (e.g. UTL-6.06) are for Gas Cost Sharing (EP-7) work and shall comply with the requirements of Addendum No. 3, herein Volume 3 of 3.

#1

# BID FORM THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

BID FOR FURNISHING ALL LABOR AND MATERIAL NECESSARY AND REQUIRED FOR:

PROJECT ID: HWXP136A

**RECONSTRUCTION OF** 

**MYRTLE AVENUE** 

#### FROM HALL STREET TO EMERSON PLACE

## INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNALWORK

Together With All Work Incidental Thereto BOROUGH OF CITY OF NEW YORK

CITT OF NEW TORK
Name of Bidder: DeBoe Construction Cop.
Date of Bid Opening: 8 27)13
Bidder is: (Check one, whichever applies) Individual ( ) Partnership ( ) Corporation
Place of Business of Bidder: 6 Elks Court, Huntington, NY 11743
Bidder's Telephone Number: 718-341-6786 Fax Number: 516-997-9620
Bidder's E-Mail Address: <u>Deboeconstruction</u> @ verizon, net
Residence of Bidder (If Individual):
If Bidder is a Partnership, fill in the following blanks:  Names of Partners  Residence of Partners
If Bidder is a Corporation, fill in the following blanks: Organized under the laws of the State of
Name and Home Address of President: USa DeBonis, Same
Name and Home Address of Secretary: Chris DeBonis, Same
Name and Home Address of Treasurer:

#### **BID FORM**

The above-named Bidder affirms and declares:

- 1. The said bidder is of lawful age and the only one interested in this bid; and no person, firm or corporation other than hereinbefore named has any interest in this bid, or in the Contract proposed to be taken.
- 2. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief: (1) the prices in this bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor; (2) unless otherwise required by law, the prices quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and (3) No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.
- 3. No councilman or other officer or employee or person whose salary is payable in whole or in part from the City Treasury is directly or indirectly interested in this bid, or in the supplies, materials, equipment, work or labor to which it relates, or in any of the profits thereof.
- 4. The bidder is not in arrears to the City of New York upon debt or contract or taxes, and is not a defaulter, as surety or otherwise, upon any obligation of the City of New York, and has not been declared not responsible, or disqualified, by any agency of the City of New York or State of New York, nor is there any proceeding pending relating to the responsibility or qualification of the bidder to receive public contracts except as set forth on the Affirmation included as page C-6 of this Bid Booklet.

The bidder hereby affirms that it has paid all applicable City income, excise and other taxes for all years it has conducted business activities in New York City.

5. The bidder, as an individual, or as a member, partner, director or officer of the bidder, if the same be a firm, partnership or corporation, executes this document expressly warranting and representing that should this bid be accepted by the City and the Contract awarded to him, he and his subcontractors engaged in the performance: (1) will comply with the provisions of Section 6-108 of the Administrative Code of the City of New York and the non-discrimination provisions of Section 220a of the New York State Labor Law, as more expressly and in detail set forth in the Agreement; (2) will comply with Section 6-109 of the Administrative Code of the City of New York in relation to minimum wages and other stipulations as more expressly and in detail set forth in the Agreement; (3) have complied with the provisions of the aforesaid laws since their respective effective dates, and (4) will post notices to be furnished by the City, setting forth the requirements of the aforesaid laws in prominent and conspicuous places in each and every plant, factory, building and structure where employees engaged in the performance of the Contract can readily view it, and will continue to keep such notices posted until the supplies, materials and equipment, or work labor and services required to be furnished or rendered by the

Contractor have been finally accepted by the City. In the event of any breach or violation of the foregoing, the Contractor may be subject to damages, liquidated or otherwise, cancellation of the Contract and suspension as a bidder for a period of three years. (The words, "the bidder", "he", "his", and "him" where used herein shall mean the individual bidder, firm, partnership or corporation executing this bid).

#### 6. Compliance Report

The bidder, as an individual, or as a member, partner, director, or officer of the bidder, if the same be a firm, partnership, or corporation, (1) represents that his attention has been specifically drawn to Executive Order No. 50, dated, April 25, 1980, on Equal Employment Compliance of the contract, and (2) warrants that he will comply with the provisions of Executive Order No. 50. The Employment Report must be submitted as part of the bid.

The bidder, as an individual, or as a member, partner, director, or officer of the bidder, if the same be a firm, partnership, or corporation, executes this document expressly warranting that he will comply with: (1) the provision of the contract on providing records, Chapter 8.

- 7. By submission of this bid, the bidder certifies that it now has and will continue to have the financial capability to fully perform the work required for this contract. Any award of this contract will be made in reliance upon such certification. Upon request therefor, the bidder will submit written verification of such financial capability in a form that is acceptable to the department.
- 8. In accordance with Section 165 of the State Finance Law, the bidder agrees that tropical hardwoods, as defined in Section 165 of the State Finance Law, shall not be utilized in the performance of this Contract, except as the same are permitted by the foregoing provision of law.
- 9. The bidder has visited and examined the site of the work and has carefully examined the Contract in the form approved by the Corporation Counsel, and will execute the Contract and perform all its items, covenants and conditions, and will provide, furnish and deliver all the work, materials, supplies, tools and appliances for all labor and materials necessary or required for the hereinafter named work, all in strict conformity with the Contract, for the prices set forth in the Bid Schedule:

(NO TEXT ON THIS PAGE)

#### **AFFIRMATION**

upon debt, con New York, an York, nor is the	need bidder affirms and declares that said bidder is not in arrears to the City of New York intract or taxes and is not a defaulter, as surety or otherwise, upon obligation to the City of ind has not been declared not responsible, or disqualified, by any agency of the City of New increasing pending relating to the responsibility or qualification of the bidder to econtracts except:
	oidder shall insert the word "None" in the space provided above.)
	Trone in the space provided above.
Address: 6	
City Hurs	100 State NY Zip Code 11743
CHECK ONE	BOX AND INCLUDE APPROPRIATE NUMBER:
/_/ A-	Individual or Sole Proprietorship* SOCIAL SECURITY NUMBER
B -	Partnership, Joint Venture or other unincorporated organization EMPLOYER IDENTIFICATION NUMBER
	Corporation EMPLOYER IDENTIFICATION NUMBER
	113172446
Ву:	Lusa Desonio nature President
Sign	nature
Title:	President

If a corporation, place seal here

This affirmation must be signed by an officer or duly authorized representative.

\*Under the Federal Privacy Act the furnishing of Social Security Numbers by bidders on City contracts is voluntary. Failure to provide a Social Security Number will not result in a bidder's disqualification. Social Security Numbers will be used to identify bidders, proposers or vendors to ensure their compliance with laws, to assist the City in enforcement of laws, as well as to provide the City a means of identifying of businesses which seek City contracts.

(NO TEXT ON THIS PAGE)

#### BID SCHEDULE

#### NOTICE TO BIDDERS

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Items listed in this Bid Schedule which have two (2) digits beginning with the number "5" followed by a decimal (e.g. 52.11D12) shall comply with the requirements of the New York City Department of Environmental Protection (NYCDEP) Standard Sewer Specifications dated August 1, 2009, as amended by Addendum No. 4 herein Volume 3 of 3.

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Items listed in the Bid Schedule which have two (2) digits beginning with the number "7" followed by a decimal (e.g. 70.61RE), shall comply with the requirements of the New York City Department of Environmental Protection (NYCDEP) Standard Sewer Specifications, dated August 1, 2009, or the NYCDEP Standard Water Main Specifications, dated August 1, 2009, as applicable, and as amended by Addendum No. 4, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with "NYC-" (e.g. NYC-665.16000011), are modified or new versions of the New York State Department of Transportation (NYSDOT) Standard or Special Specifications and shall comply with the corresponding numerical Sections incorporated in Addendum No. 1, herein Volume 3 of 3. However, all references therein to the "Department", "Materials Bureau", "Regional Engineer", etc., shall be deemed to mean the "Engineer". Where any reference is made on the plans or specifications to the "State" or any of its officials, the Contractor shall substitute the City of New York, Department of Design and Construction, or any of its appropriate officials. The NYSDOT Specifications described above neither imply the State's involvement in any testing and approval of materials, nor in the supervision of construction.

Items listed in this Bid Schedule beginning with the prefix "SL-" (e.g. SL-21.08.01) are Street Lighting Items less the prefix which shall be done in accordance with the requirements of Sub-Section 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications, except for Item No. "SL-22.06.19", which shall comply with the requirements of Item No. SL-22.06.19 in Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with the prefix "T-" (e.g. T-2.22) are Traffic Items less the prefix which shall be done in accordance with the requirements of Sub-Section 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications, except for Item No. "T-60000B, which shall comply with the requirements of Section T-60000B in Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with the prefix "UTL-" (e.g. UTL-6.06) are for Gas Cost Sharing (EP-7) work and shall comply with the requirements of Addendum No. 3, herein Volume 3 of 3.

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

# BID SCHEDULE

which do not reflect reasonable actual costs plus a reasonable proportionate An unbalanced bid is considered to be one containing lump sum or unit items The Agency may reject a bid if it contains unbalanced bid prices. <u>E</u>

share of the Bidder's anticipated profit, overhead costs, and other indirect

costs, anticipated for the performance of the items in question.

The following bid prices on Unit Price Contracts are to be paid for the actual quantities of the several classes of work in the completed work or structure, appliances of every description necessary to complete the entire work, as and they cover the cost of all work, labor, material, tools, plant and (2)

specified, and the removal of all debris, temporary work and appliances.

- PLEASE BE SURE A LEGIBLE BID IS ENTERED, IN INK, FOR EACH ITEM. Alterations must be initialed in ink by the bidder. (3)
- The Extended Amount entered in Column 5 shall be the product of the Estimated Quantity in Column 2 times the Unit Price Bid in Column 4. (4)
- before bidding, must advise the Commissioner, in writing, if any Prospective bidders must examine the Bid Schedule carefully and, pages are missing, and must request that such missing pages be furnished them. The pages of this Bid Schedule are numbered consecutively, as follows: B - 1 through B - 78 (2)

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# NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

COL. 1	COL. 2	COL. 3	COL. 4	COL. 5
ITEM NUMBER (SEOUENCE NO.)	ENGINEER'S ESTIMATE OF OUANTITIES	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)
			DOLLARS	DOLLARS
4.02 AF-R	33,590.0	ASPHALTIC CONCRETE WEARING COURSE, 2" THICK		
(001)	S.Y.		· ·	
			\$ 200	\$ 628,310,00
4.02 AG	29,200.0	ASPHALTIC CONCRETE WEARING COURSE, 3" THICK		
(005)	S.Y.		(	()
			20176	\$ 612,300,00
4.02 CB	4,981.0	ASPHALTIC CONCRETE MIXTURE		
(003)	IONS		•	
			\$ 00.07	348,670,00
4.04 H	681.0	CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION.		
***	. Y.	Ξ.	- N	
			\$ 210.0	\$ 170,410.07

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

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COL. 1	COL. 2	COL. 3	COL. 4	COL. 5
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)
			DOLLARS	DOLLARS
4.04 HD (005)	7,490.0 C.Y.	CONCRETE BASE FOR PAVEMENT, 9" THICK (HIGH-EARLY STRENGTH)	315 00	21500 : 1,610,350,00
4.05 AX (006)	440.0 C.Y.	HIGH-EARLY STRENGTH REINFORCED CONCRETE PAVEMENT (BUS STOPS)	\$ 500 00	330,000,000
4.05 BX (007)	80.0 C.Y.	HIGH-EARLY STRENGTH REINFORCED CONCRETE PAVEMENT (FULL WIDTH PAVEMENT)	<u>8</u>	80 08
4.06 SC (008)	2,870.0 C.Y.	SELF-CONSOLIDATING CONCRETE IN STRUCTURES		

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. 4 COL. 5	UNIT PRICES EXTENDED AMOUNTS (IN FIGURES)	CTS DOLLIARS CTS	175 5000		00 008767 30 24		75 00 36,500 00		001 \$ 54 50	
. тоо	UNIT EA NI)	DOLLARS	В (21"	в (27"	w.	(21" DEEP)	vs.		vs.	
COL. 3	CLASSIFICATIONS		STRAIGHT STEEL FACED CONCRETE CURB (21" DEEP)	STRAIGHT STEEL FACED CONCRETE CURB (27" DEEP)		CORNER STEEL FACED CONCRETE CURB (21" DEEP)		FILL, PLACE MEASUREMENT		
COL. 2	ENGINEER'S ESTIMATE OF	COMITTES	16,500.0 L.F.	1,060.0	H -1	1,820.0	1.F.	5,450.0	H	
COL. 1	ITEM NUMBER		4.09 AE (009)	4.09 AF		4.09 CE	(011)	4.11 CA	(212)	

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-	COL. 2	COL. 3	COL. 4	COL. 5
ENGINEER'S ESTIMATE OF		CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)
			DOLLARS	DOLLARS
193,280.0		4" CONCRETE SIDEWALK (UNPIGMENTED)		
. 4			200	\$ 1,739,530,00
20,620.0	1	7" CONCRETE SIDEWALK (UNPIGMENTED)		
			00 11	\$ 226 830.00
2,710.0 EN		EMBEDDED PREFORMED DETECTABLE WARNING UNITS		
Ω	: 		30 00	\$ 54,300 00
457,560.0	Ω	STEEL REINFORCEMENT BARS		
rbs.			0 50	\$ 338,780,00

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COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)	m
(SEKOERCE NO.)	Satitimoo		DOLLARS	DOLLARS	CIS
4.16 STUMP	23.0	STUMP REMOVAL			
(025)	UNITS			<del>-</del> ()	Ç
			3000	30011	۱)
4.18 A	216.0	MAINTENANCE TREE PRUNING (UNDER 12" CAI.)			
(026)	EACH		(	(	(
			3000	35,930,00	Q1
4.18 B	41.0				İ
(027)	EACH	CAL.)	= 71		ζ
			3		<b>(</b>
4.18 C	5.0				
(028)	EACH	CAL.)	! !	()	(
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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

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	COI. 5	EXTENDED AMOUNTS (IN FIGURES)	CTS DOLLARS CTS	00 3,370 00	00 3 7913,000 00	00,000,08 \$ 00,00	00 3 434 000
	COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	w.	\$	, 500	535 00
DIVISION OF IN MASTROCTORE - BUNEAU OF DESIGN	<u>cor. 3</u>	CLASSIFICATIONS		TREE CONSULTANT	24" R.C.P. CLASS III COMBINED SEWER, ON CONCRETE CRADLE	12" E.S.V.P. COMBINED SEWER, ON CONCRETE CRADLE	15" E.S.V.P. COMBINED SEWER, ON CONCRETE CRADLE
	COL. 2	ENGINEER'S ESTIMATE OF	COMMITTES	2,370.0 P/HR	1,320.0 L.F.	60.0 L.F.	4,640.0 L.F.
	COL. 1	ITEM NUMBER	(SECOENCE NO.)	4.21	50.21C3C024D (030)	50.31CC12 (031)	50.31CC15 (032)

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

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PIN 8502012HW0039C

COL. 2 COL. 3		UENCE NO.) OUANTITIES CTS DOLLARS CTS	-	ЕАСН \$ 4,000 00 5 80,000 00 00 00 00 00 00 00 00 00 00 00 0	12.0 REPLACEMENT OF EXISTING MANHOLE FRAME AND COVER	01 30.0 STANDARD CATCH BASIN, TYPE 1	васн * 5,500 <u>00</u> <u>165,000 <u>00</u></u>	12.0 SHALLOW CATCH BASIN	васн в 4,000 00 , 48,000 00	
COL. 1	ITEM NUMBER	(SEQUENCE NO.)	51.21s0A2000V	(037)	51.23RF (038)	51.418001	(689)	51.41W000	(040)	

Contract PIN

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COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)	ω
	COPACITIES		DOLLARS	DOLLARS	CIS
51.42BlW (041)	21.0 EACH	INCREMENTAL COST OF TYPE 3 CATCH BASIN WITH CURB PIECE IN LIEU OF TYPE 1 CATCH BASIN	00 000°E \$	\$ 63,000,000	الم
52.11D12	2,000.0	12" DUCTILE IRON PIPE BASIN CONNECTION			
(042)	L. H.		300 000	30/000/00h *	21
1					-
(043)	23.0 EACH	6" E.S.V.P. SPUR FOR HOUSE CONNECTION ON 15" E.S.V.P. COMBINED SEWER	425 00	30,3176	2
52.31V06C18 (044)	2.0 EACH	6" E.S.V.P. SPUR FOR HOUSE CONNECTION ON 18" E.S.V.P. COMBINED SEWER			Ī
			\$ 242	00 0211	20

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COL. 5	EXTENDED AMOUNTS (IN FIGURES)	CTS DOLLARS CTS	00 ° 19, 600 00	00.020,8 00.00	00 021 \$ 00	00 200 00
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	OQH) s	, 575 00	8	s)
COL. 3	CLASSIFICATIONS		8" E.S.V.P. SPUR FOR HOUSE CONNECTION ON 15" E.S.V.P. COMBINED SEWER	8" E.S.V.P. SPUR FOR HOUSE CONNECTION ON 18" E.S.V.P. COMBINED SEWER	6" E.S.V.P. HOUSE CONNECTION DRAIN ON CONCRETE CRADLE (RECONNECTION)	8" E.S.V.P. HOUSE CONNECTION DRAIN ON CONCRETE CRADLE (RECONNECTION)
COL. 2	ENGINEER'S ESTIMATE OF	2000	49.0 EACH	14.0 EACH	170.0 L.F.	500.0 L.F.
COL. 1	ITEM NUMBER	(Segonación NO.)	52.31V08C15 (045)	52.31V08C18 (046)	52.41V06R (047)	52.41V08R (048)

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U E	2 .	CIS	08	2000	00	0
COL. 5	(IN FIGURES)	DOLLARS	6	50	70 041 7	00 002 9
		CIS	w	w w	(n)	Ö1
4 0	TURES)		0		380	000000
COL. 4	(IN FIGURES)	DOLLARS				
				us'		w.
CLASSIFICATIONS			GRANITE BLOCK SIDEWALK (GROUTED JOINTS) (FURNISH BLOCK)	ADDITIONAL HARDWARE	REMOVE EXISTING FIRE ALARM POST	FURNISH AND INSTALL FIRE ALARM POST AND SUBBASE IN ACCORDANCE WITH F.D. STD. DWG#141
COL. 2	ESTIMATE OF		.x.s	5,000.0 LBS.	3.0 EACH	3.0 EACH
COL. 1	(SECULENCE NO.)		6.06 AB (053)	6.22 F (054)	6.23 AB (055)	6.23 BA (056)

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COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	06 006	12,360.00	2,550 00	04 186
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	000	\$ 00.081,6	\$ 00.0584	\$ Q Q
COL. 3 CLASSIFICATIONS	4	FURNISH AND INSTALL 4-PAIR FIRE ALARM CABLE	FURNISH AND INSTALL FIRE DEPARTMENT SLOTTED MANHOLE TYPE "A" WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #140, #144S & #144E	FURNISH AND INSTALL FIRE DEPARTMENT 12 WIRE TERMINAL BOX AND TERMINATE FIRE ALARM CABLES	FURNISH AND INSTALL 4" P.V.C. CONDUIT, SCHEDULE 40, U.L. 651 (WITH PAVEMENT EXCAVATION)
COL. 2 ENGINEER'S ESTIMATE OF	COMMITTES	91.0 L.F.	2.0 EACH	3.0 EACH	21.0 L.F.
COL. 1 ITEM NUMBER	(SERVORING)	6.23 BD (057)	6.23 BES (058)	6.23 BFC (059)	6.23 BGSE (060)

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COL. 5	EXTENDED AMOUNTS (IN FIGURES)	S DOLLARS CTS	480 000	(3)	\$ 29 Its	01 1288 s
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	20 028th ==	00 1	<u>o</u>	s (O) (O)
COL. 3	CLASSIFICATIONS		FURNISH AND INSTALL 4" 90-DEGREE P.V.C. WIDE BEND, SCHEDULE 40, U.L. 651 (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 OR #145AA	FURNISH AND INSTALL FIRE ALARM PEDESTAL BUMPERS (2 REQUIRED PER SET) IN ACCORDANCE WITH F.D. STD. DWG. #168	TEMPORARY SIGNS	TIMBER CURB
COL. 2	ENGINEER'S ESTIMATE OF	CORNILLES	3.0 EACH	3.0 Sets	5,945.0 S.F.	33,710.0 L.F.
COL. 1	ITEM NUMBER	(Segomon NO.)	6.23 BHE (061)	6.23 BP (062)	6.25 RS (063)	6.26 (064)



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EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	19.20	0	00000021	00 0E0/22 s
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	10.0		\$ 5,000 00	<u>s</u>
COL, 3 CLASSIFICATIONS		LIGHTED TIMBER BARRICADES	STRUCTURES	ENGINEER'S FIELD OFFICE (TYPE D)	PHOTOGRAPHS
COL. 2 ENGINEER'S ESTIMATE OF	COMMITTES	1,920.0 L.F.	10.0 C.Y.	30.0 MONTH	2,540.0 SETS
COL. 1 ITEM NUMBER	(SEÇOENCE NO.)	6.28 AA (065)	6.36 DR (066)	6.40 D (067)	6.43

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	2077. 2	COL. 3	COL. 4	COL. 5
ITEM NUMBER (SEQUENCE NO.)	ESTIMATE OF OUANTITIES	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)
	-		DOLLARS	DOLLARS
6.44	106,780.0 I.F.	THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (4" WIDE)		
			\$ S	° 1016,780 00
6.49	13,720.0	TEMPORARY PAVEMENT MARKINGS (4" WIDE)		
(070)	H H		(	, , ,
			5	07701
6.50	4.0	CLEANING OF DRAINAGE STRUCTURES		
(170)	БАСН		<u>s</u>	400
6.52	4,790.0	UNIFORMED FULL-TIME FLAGPERSON		
(0)2)	P/HR	Unit price bid shall not be less than: \$75.00	, 75,00	\$ 359,250,00

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

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l'S	CIS	8	0	0	00
COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	73.30	09 860	60	\$ 200 00
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	0	0	0	\$ 20.00
COL. 3 CLASSIFICATIONS		REMOVE EXISTING LANE MARKINGS (4" WIDE)	SAWCUTTING EXISTING PAVEMENT	TEMPORARY CONCRETE BARRIER	SUBBASE COURSE, SELECT GRANULAR MATERIAL
COL. 2 ENGINEER'S ESTIMATE OF	COANTITES	7,330.0 L.F.	9,860.0 L.F.	350.0 L.F.	25.0 C.Y.
COL. 1 ITEM NUMBER	(SECOENCE NO.)	6.53 (073)	6.55	6.59 P (075)	6.67 (076)

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	COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	, 221, 650 00	367	87 11	\$ 12,330 00
	COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	\$ 55,00	<u>]0</u> 0	(O) O	00 71
DIRIGION OF INTERACTIONS - BONEAU OF DESIGN	COL. 3	CLASSIFICATIONS		GRINDING EXISTING ASPHALTIC CONCRETE WEARING COURSE	REMOVING EXISTING TRAFFIC AND STREET NAME SIGNS	REMOVING EXISTING TRAFFIC AND STREET NAME SIGN POSTS	FURNISHING NEW NON-REFLECTORIZED TRAFFIC SIGNS
	COL. 2	ENGINEER'S ESTIMATE OF		4,030.0 C.Y.	796.0 S.F.	1,148.0 L.F.	880.0 S.F.
	COL. 1	TIEM NOMBER		6.75 (077)	6.82 A (078)	6.82 B (079)	6.83 AA (080)

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Contract PIN	Project ID	COL. 4
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	JUNTS	CIS	· :	45,000.00		75.00	_	_ — -	920 00			120 00	
COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS		45,0		2,087,075.00			926			なせ	
	<b>ы</b>			w.	<del></del>	w			\$		<u></u>	- v	
	ES ES)	CTS		0.00	 	5.00		· ·	0	_	· 	<u>0</u>	
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS		45,000.00		2,087,075.00			23				
				<u>တ</u> ်		<u> </u>		<u>.</u>	<i>ω</i> .΄			U	•
COL. 3	CLASSIFICATIONS		LOLLIPOP TYPE BUS STOP SIGNS	PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 45,000.00	TRAFFIC ENFORCEMENT AGENTS	PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 2,087,075.00		FURNISHING NEW STREET NAME SIGNS			FURNISHING NEW STREET NAME SIGN POSTS		
COL. 2	ENGINEER'S ESTIMATE OF	OUANTITIES	1.0	Ω	1.0	EI S		40.0	α Fr		70.0	Н	
COL. 1	ITEM NUMBER	(SEQUENCE NO.)	6.84 B	(085)	6.85 A	(086)		6.86 AA	(087)		6.86 AB	(880)	

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COL. 1	COL. 2	COL. 3	COL. 4	COL. 5
ITEM NUMBER (SEQUENCE NO.)	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)
			DOLLARS	DOLLARS
6.86 BA	40.0	INSTALLING STREET NAME SIGNS		
(680)	S.H.			
			8	\$ 530 00
			. —	
6.86 BB	70.0	INSTALLING STREET NAME SIGN POSTS		
(060)	다 된			
			90.77	00 022
6.87	13,100.0	PLASTIC BARRELS		
(091)	EACH			·
			100	20 181
6.91	21,340.0	REFLECTIVE CRACKING MEMBRANE (18" WIDE)		
(092)	L.F.		(	() () () ()
			3	00 010110 \$

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COL. 4  UNIT PRICES EXTENDED AMOUNTS (IN FIGURES)	DOLLARS CTS DOLLARS CTS	\$ 000	00 00001 \$ 00 00001 \$	s 161 00 s 72,450 00	34 00 s 6, 120 00
COL. 3 CLASSIFICATIONS		EXTRA-HIGH-EARLY STRENGTH CONCRETE	AUDIO AND VIDEO DOCUMENTATION SURVEY	FURNISHING AND DELIVERING 20-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 55)	FURNISHING AND DELIVERING 6-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)
COL. 2 ENGINEER'S ESTIMATE OF	OUANTITIES	20.0 C.Y.	1.0 L.S.	450.0 L.F.	180.0 L.F.
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	6.97 A (093)	6.99 (094)	60.11R520 (095)	60.11R606 (096)

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EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	\$ 6,120.00	374,740,00	, 10, 250 00	36,000,000
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	00 15	83.00	\$ 50,00	00 001
COL. 3 CLASSIFICATIONS		FURNISHING AND DELIVERING 8-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	FURNISHING AND DELIVERING 12-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS	LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS
COL. 2 ENGINEER'S ESTIMATE OF		120.0 L.F.	4,570.0 L.F.	205.0 L.F.	260.0 L.F.
COL. 1 ITEM NUMBER (SEQUENCE NO.)		60.11R608 (097)	60.11R612 (098)	60.12D06 (099)	60.12D08 (100)

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	COL. 5	EXTENDED AMOUNTS (IN FIGURES)	S DOLLARS CTS	s 621,500 (00	00 000/PT1 s	348 000 00	370,000,00
and the state of t	COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	<u>00</u> 0(1	300 000	co 000'9 s	3,000 00
DIVISION OF THE MASTING COME - DONEAG OF DEGICES	COL. 3	CLASSIFICATIONS		LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS	LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS	FURNISHING AND DELIVERING DUCTILE IRON MECHANICAL JOINT 24-INCH DIAMETER AND SMALLER FITTINGS, INCLUDING WEDGE TYPE RETAINER GLANDS	FURNISHING, DELIVERING AND LAYING 36-INCH STRAIGHT STEEL PIPE, 3/8-INCH WALL THICKNESS
	COL. 2	ENGINEER'S ESTIMATE OF	OUANTITES	5,650.0 L.F.	895.0 5.1	58.0 TONS	90.0 L.F.
	COL. 1	ITEM NUMBER	(SEQUENCE NO.)	60.12D12 (101)	60.12D20 (102)	60.13M0A24	60.21SP3T36 (104)

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CIS \$ 100,000,00 \$ 400,000 00 5,000 00 1 100,000 00 EXTENDED AMOUNTS (IN FIGURES) DOLLARS COI. s 1,600 100 5,000 00 CTS UNIT PRICES (IN FIGURES) COI. DOLLARS FURNISHING, DELIVERING AND INSTALLING PLATE STEEL OUTLETS ON STEEL PIPE, ACCESS MANHOLE FURNISHING, DELIVERING AND LAYING 48-INCH FURNISHING, DELIVERING AND LAYING 36-INCH FURNISHING, DELIVERING AND LAYING 48-INCH OUTLETS WITH COVERS, AND NUTS AND BOLIS STEEL BENDS AND REDUCERS, 3/8-INCH WALL STEEL BENDS AND REDUCERS, 1/2-INCH WALL STRAIGHT STEEL PIPE, 1/2-INCH WALL CLASSIFICATIONS COL. 3 THICKNESS THICKNESS THICKNESS 20.02 20.02 1,650.0 250.0 щ щ L.F. L. F. LBS. ESTIMATE OF ENGINEER'S OUANTITIES COL. 2 (SEQUENCE NO.) ITEM NUMBER COL. 1 60.21SP4T48 60.22BR3T36 60.22BR4T48 60.25PSO (108)(105)(106)(101)

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COL. 5 EXTENDED AMOUNTS	(IN FIGURES)	DOLLARS	<u>38,000 too</u>	15,000 00	00 00%91 \$	00 00 h
4 7 8 8 8		CTS	2 00 000 th	12,000,00	12,000 00 3.	900 00 ° 1
COL	IN F	DOLLARS	w	\$ 15	w.	\$
COL. 3			FURNISHING, DELIVERING AND INSTALLING 36-INCH DIAMETER BOLTED, SPLIT SLEEVE-TYPE RESTRAINED COUPLING	FURNISHING, INSTALLING AND TESTING CORROSION CONTROL AND/OR CATHODIC PROTECTION SYSTEM	FURNISHING AND DELIVERING 20-INCH FLANGED-MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLAND	FURNISHING AND DELIVERING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS
COL. 2	ESTIMATE OF	00000	2.0 EACH	1.0 L.S.	1.0 EACH	16.0 EACH
COL. 1	( ON EUNAHOES)	(Segonación NO.)	60.27RSC36 (109)	60.29CP (110)	61.11DFM20 (111)	61,11DNMO6 (112)

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S	CTS	81	8	8	0
COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	\$ 6,750 00	3300	31,800 00	\$ 19,600
2.S S.)	CTS			<u></u>	81
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	, 1,350 00	3,700 00	15,900,00	30 002
CLASSIFICATIONS		FURNISHING AND DELIVERING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	FURNISHING AND DELIVERING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	FURNISHING AND DELIVERING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	FURNISHING AND DELIVERING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS
COL. 2 ENGINEER'S ESTIMATE OF		5.0 EACH	27.0 EACH	2.0 EACH	28.0 EACH
COL. 1 ITEM NUMBER (SEOTIENCE NO.)		61.11DMM08 (113)	61.11Dr#412 (114)	61.11DNM20 (115)	61.11TWC03 (116)

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	COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	00 08876 \$	3,820 00	* 4.215 00	\$ 1,000 00
		ES ES)	CIS	00 092	<u>00</u> 046	001	000
	COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	397 \$	346	s 1,405 loo	00,000,1
DIVISION OF INFRASTRUCTORE - BUREAU OF DESIGN	COL. 3	CLASSIFICATIONS		FURNISHING AND DELIVERING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	FURNISHING AND DELIVERING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	FURNISHING AND DELIVERING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	SETTING 20-INCH FLANGED-MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLAND
AID .	COL. 2	ENGINEER'S ESTIMATE OF		13.0 EACH	3.0 EACH	3.0 EACH	1.0 EACH
	COL. 1	ITEM NUMBER		61.11TWC04 (117)	61.11TWC06 (118)	61.11TWC08 (119)	61.12DFM20 (120)

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COL. 5 EXTENDED AMOUNTS	(IN FIGURES)	DOLLARS	\$ 3,200.00	\$ 2,400.00	s 19, ado 00	s 1,600 000
COL. 4 UNIT PRICES	GURES)	DOLLARS	300 000	90 908	\$00,00	00 008
COL. 3 CLASSIFICATIONS			SETTING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	SETTING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	SETTING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	SETTING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS
COL. 2 ENGINEER'S	ESTIMATE OF OUANTITIES		16.0 EACH	3.0 EACH	24.0 EACH	2.0 EACH
COL. 1 ITEM NUMBER	(SEQUENCE NO.)		61.12DNMO6 (121)	61.12DNMO8 (122)	61.12DNM12 (123)	61.12DMM20 (124)

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COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	38.00	13.00	8	80
		CIS	81	8	81	81
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	1	s	8	S
COL, 3	CLASSIFICATIONS		SETTING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	SETTING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	SETTING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	SETTING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS
COL. 2	ENGINEER'S ESTIMATE OF		28.0 EACH	13.0 EACH	3.0 EACH	3.0 EACH
COL. 1	ITEM NUMBER		61.12TWC03 (125)	61.12TWC04 (126)	61.12TWC06 (127)	61.12TWC08 (128)

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ENGINEER'S ESTIMATE OF OUANTITIES OUANTITIES 8.( EAC) EAC) EAC) EAC) EAC) EAC) EAC)
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COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)	
(SECOENCE NO.)	COMPLITES		DOLLARS	DOLLARS	CIS
62.14FD (133)	16.0 EACH	FURNISHING, DELIVERING AND INSTALLING HYDRANT FENDERS WITH DECORATIVE CAPS (BLACK)	<u>aa</u> aac *	\$ 3,900 CC	Qı l
62.14FS (134)	90.0 EACH	FURNISHING, DELIVERING AND INSTALLING HYDRANT FENDERS	300 000	× 18,000	Q
63.11MH (135)	2.0 TONS	FURNISHING, DELIVERING AND INSTALLING 36-INCH CAST IRON MANHOLE HEADS AND COVERS	30,002	30,001	Qı 1
63.11MS (136)	25.0 EACH	FURNISHING, DELIVERING AND INSTALLING MANHOLE STEPS TYPE PS2-PF	00 11	\$ 275,00	21

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COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS		(	)   		1,800 (00		7,800 00		721	07.7
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS		(			\$ 00 001		00 000			
COL. 3	CLASSIFICATIONS		FURNISHING AND DELIVERING VARIOUS CASTINGS		<b>o</b>	WITHDRAWING AND REPLACING HOUSE SERVICES USING 1-1/2-INCH OR LARGER SCREW TAPS	\$	WITHDRAWING AND REPLACING HOUSE SERVICES	USING SMALLER THAN 1-1/2-INCH SCREW TAPS	CUTTING AND OFFSETTING HOUSE SERVICE WATER CONNECTIONS (EQUAL TO OR GREATER THAN	3-INCH DIAMETER)	<b>~</b>
COL. 2	ENGINEER'S ESTIMATE OF		20.0	TONS		12.0	EACH	12.0	БАСН	120.0	1	·
COL. 1	ITEM NUMBER		63.11VC	(137)		64.11EL	(120)	64.11ST	(139)	64.12COEG		

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COL. 1	COL. 2	COT: 3	COL. 4	COL. 5	
ITEM NUMBER	ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)	
(SEQUENCE NO.)	COMMITTES		DOLLARS	DOLLARS	CIS
64.12ESEG	490.0 L.F.	EXTENDING HOUSE SERVICE WATER CONNECTIONS (EQUAL TO OR GREATER THAN 3-INCH DIAMETER)	30.	76	0,
64.12ESLT (142)	130.0 L.F.	EXTENDING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3-INCH DIAMETER)	\$ C	28.7	ı O <sub>1</sub>
64.13WC08 (143)	8.0 EACH	FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 8-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	<u>00 00811 s</u>	00 009% \$	
64.13WC12 (144)	28.0 EACH	FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 12-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	00 00 E11 s	\$ 33,600 \alpha	O1
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COL. 1	COI. 2	COL. 3	COL. 4	COL. 5
ITEM NUMBER (SEQUENCE NO.)	ENGINEER'S ESTIMATE OF OUANTITIES	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)
			DOLLARS	DOLLARS
64.13WC20 (145)	21.0 EACH	FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 20-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	\$ 2,000 00	* 42,000.00
65.11BR (146)	600.0 LBS.	FURNISHING, DELIVERING AND INSTALLING BANDS, RODS, WASHERS, ETC., COMPLETE, FOR RESTRAINING JOINTS	100	8
65.21ps (147)	1,970.0 L.F.	FURNISHING AND PLACING POLYETHYLENE SLEEVE Unit price bid shall not be less than: \$ 0.50	0 50	485
65.31FF (148)	33,310.0 S.F.	FURNISHING, DELIVERING AND PLACING FILTER FABRIC Unit price bid shall not be less than: \$ 0.10	010	00 (22/2)

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COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	3,300.00	\$ 15,200 00	36,000.00	366 00
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	3,300 00	3,800.00	00 009	000
COL. 3 CLASSIFICATIONS		FURNISHING, DELIVERING AND INSTALLING 20-INCH PIPE-TO-WALL PENETRATION SEAL, INCLUDING STEEL SLEEVE AND ANCHOR/WATER STOP PLATE	FURNISHING, DELIVERING AND INSTALLING 36-INCH PIPE-TO-WALL PENETRATION SEAL, INCLUDING STEEL SLEEVE AND ANCHOR/WATER STOP PLATE	FURNISHING AND PLACING CAST-IN-PLACE CONCRETE CLASS 40 AND PRECAST CONCRETE CLASS 50	FURNISHING, DELIVERING AND PLACING STRUCTURAL, REINFORCING AND MISCELLANEOUS STEEL
COL. 2 ENGINEER'S ESTIMATE OF	COMMITTES	T.O EACH	4.0 EACH	60.0 C.Y.	26,600.0 LBS.
COL. 1 ITEM NUMBER	(SECOENCE NO.)	65.41PS20 (149)	65.41PS36 (150)	65.51PC (151)	65.61ss (152)

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COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	06.1	\$ 66,900 00	000000000000000000000000000000000000000	000000E1 \$
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	100 0	8		\$ 5,000 00
COL. 3 CLASSIFICATIONS		FURNISHING, DELIVERING AND PLACING SCREENED GRAVEL OR SCREENED BROKEN STONE BEDDING	INSTALLING NEW OR RESET EXISTING SIDEWALK SUBWAY FRAMES AND GRATINGS	FURNISH NEW SIDEWALK SUBWAY FRAMES AND GRATINGS	MAINTENANCE OF SITE
COL. 2 ENGINEER'S ESTIMATE OF		190.0 C.Y.	6,690.0 S.F.	6,690.0 S.F.	24.0 MONTH
COL. 1 ITEM NUMBER (SEQUENCE NO.)		65.71SG (153)	7.01 AB (154)	7.01 C (155)	7.13 B (156)

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COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	
ITEM NUMBER	ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)	
(SEQUENCE NO.)	OUANTITES		DOLLARS	DOLLARS	ا م ا
7.16 D	95.0	TEST PITS			
(157)	C.Y.			- 12/21	١٠
7.18 CM	70.0	CONTROLLED LOW STRENGTH MATERIAL (CLSM)			ı
(158)	G.¥.				_
			5.	2	<b>\</b> .
7.36	26,060.0	PEDESTRIAN STEEL BARRICADES			
(159)	다. 편.		- 2		$\Gamma$
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7.88 AA	1.0	RODENT INFESTATION SURVEY AND MONITORING			1
(160)	H S				$\sim$
		Unit price bid shall not be less than: \$ 6,000.00			
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COL. 5 EXTENDED AMOUNTS (IN FIGURES) DOLLARS CTS	\$ 400,00	00/2/2/100	650	2000
COL. 4 UNIT PRICES (IN FIGURES) DOLLARS CTS	2009	38	65 00	<u> </u>
COL. 3 CLASSIFICATIONS	RODENT BAIT STATIONS Unit price bid shall not be less than: \$60.00	BAITING OF RODENT BAIT STATIONS Unit price bid shall not be less than: \$ 9.25	WATERBUG BAIT APPLICATIONS Unit price bid shall not be less than: \$65.00	DECKING
COL. 2 ENGINEER'S ESTIMATE OF	140.0 EACH	140.0 EACH	10.0 BLOCK	290.0 S.Y.
COL. 1 ITEM NUMBER (SEQUENCE NO.)	7.88 AB (161)	7.88 AC (162)	7.88 AD (163)	70.21DK (164)

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COL. 4 COL. 5	UNIT PRICES EXTENDED AMOUNTS (IN FIGURES)	DOLLARS CTS DOLLARS CTS			300 \$ 42000 00			00 50 7 7 00 51		30000011 \$ 1000000		800,000 \$ 284,000,008
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COL. 3	CLASSIFICATIONS		FENCING		Unit price bid shall not be less than: \$ 2.00	EXCAVATION OF BOULDERS IN OPEN CUT		Unit price bid shall not be less than: \$75.00	ROCK EXCAVATION		ROCK EXCAVATION WITHIN RAILROAD INFLUENCE AS PER RAILROAD GUIDELINES	
COL. 2	ENGINEER'S ESTIMATE OF		21,000.0	H.		15.0	C.Y.		1,750.0	υ. Υ.	730.0 C.Y.	
COL. 1	ITEM NUMBER (SEOUENCE NO.)		70.31FN	(165)		70.51EO	(166)		70.61RE	(167)	70.61RR (168)	



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EXTENDED AMOUNTS (IN FIGURES)	DOLLARS		)     アン   アン	200			\$ 25,275,00	28 50	00 411	
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS		7 5	8			8	0	 ](1)	5
COL. 3 CLASSIFICATIONS		STONE BALLAST		Unit price bid shall not be less than: \$ 15.00	CLEAN BACKFILL		Unit price bid shall not be less than: \$ 15.00	FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WAIER MAIN PIPE 12-INCH IN DIAMETER AND LESS	FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 20-INCH IN DIAMETER	
COL. 2 ENGINEER'S ESTIMATE OF		15.0	C.Y.		1,685.0	G.¥.		2,850.0 S.F.	4,400.0 S.F.	
COL. 1 ITEM NUMBER (SEQUENCE NO.)	7	70.71SB	(169)		70.81CB	(170)		70.91 <b>SW</b> 12 (171)	70.91SW20 (172)	

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COL. 4 COL. 5	UNIT PRICES EXTENDED AMOUNTS (IN FIGURES)	DOLLARS CTS DOLLARS CTS		000		12 TO 12 12 TO 100	w-		62,150	^		<u>w</u>
COL. 3	CLASSIFICATIONS UN	ITIOG	HYDRAULIC FILL FOR ABANDONED SEWERS AND WATER MAINS	W	ADDITIONAL BRICK MASONRY		Unit price bid shall not be less than: \$ 62.50	ADDITIONAL CONCRETE		Unit price bid shall not be less than: \$ 62.50	ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (ALL DEPTHS)	Unit price bid shall not be less than: \$ 20.00
COL. 2	ENGINEER'S ESTIMATE OF	OUANTITIES	20.0		20.0	G. K.		195.0	C.Y.		63.0 C.Y.	. —
COL. 1	ITEM NUMBER	(SEQUENCE NO.)	72.11HF (173)		73.11AB	(174)		73.21AC	(175)		73.31AEO (176)	

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COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS		001050 1			7 (2) (2)	2 0 0 7		000000	<u>.</u>	8
Öl	-	CTS DOI		7   00   5.	<u>^</u>					\$ 001	(	00.
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	-	. •	2			S.		\$		w
COL. 3	CLASSIFICATIONS		ADDITIONAL SELECT GRANULAR BACKFILL		Unit price bid shall not be less than: \$ 15.00	ADDITIONAL STEEL REINFORCING BARS		Unit price bid shall not be less than: \$ 1.00	HANDLING, TRANSPORTING AND DISPOSAL OF NON-HAZARDOUS CONTAMINATED SOIL		SAMPLING AND TESTING OF CONTAMINATED/POTENTIALLY HAZARDOUS SOIL FOR DISPOSAL PURPOSES	
COL. 2	ENGINEER'S ESTIMATE OF	STITION	270.0	C.Y.		1,500.0	LBS.		6,000.0 TONS		12.0 SETS	
COL. 1	ITEM NUMBER	(Segoence no.)	73.41AG	(177)		73.51AS	(178).		8.01 C1 (179)		8.01 C2 (180)	

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN

8502012HW0039C HWXP136A Project ID

SI	CIS	00 01	8	90	81_
EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	.01	\$ 10,000 00	71	m
	CIS	8		<b>%</b>	20
COL. 4 UNIT PRICES	DOLLARS	*	00 000° \$	*	v.
COL. 3 CLASSIFICATIONS		HANDLING, TRANSPORTING AND DISPOSAL OF HAZARDOUS SOIL	HEALTH AND SAFETY	REMOVAL, TREATMENT, AND DISCHARGE/DISPOSAL OF CONTAMINATED WATER	SAMPLING AND TESTING OF WATER
COL. 2 ENGINEER'S ESTIMATE OF	OUANTITIES	10.0 TONS	1.0 L.S.	14.0 DAY	3.0 SETS
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	8.01 н (181)	8.01 S (182)	8.01 W1 (183)	8.01 W2 (184)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN
Project ID

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COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS		\$ 434.00		\$ CS   S		\$ 84 00		30,000,00	
	CES (SES)	CIS		<u>5</u>		70	<u> </u> 	81	<del> </del>	00	
 COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS		w	The same and the s	w		W-		000 000 \$	•
COL. 3	CLASSIFICATIONS		SPECIAL CARE EXCAVATION AND RESTORATION FOR SIDEWALK WORK		SPECIAL CARE EXCAVATION AND RESTORATION FOR CURB WORK		TEMPORARY ALUMINUM PEDESTRIAN BRIDGE		VARIABLE MESSAGE BOARD		
COL. 2	ENGINEER'S ESTIMATE OF		43,400.0 S.F.		5,380.0 L.F.		84.0	БАСН	2.0	ЕАСН	
COL. 1	ITEM NUMBER		8.02 A (185)		8.02 B (186)		8.07	(187)	8.08	(188)	

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

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COL. 5 EXTENDED AMOUNTS	۵		00.00272 \$		32,000,00		0		\$ 50,000,00
COL. 4 UNIT PRICES	DOLLARS		\$ 00		200		0		\$ 50,000,00
COL. 3 CLASSIFICATIONS		THREE PLY MEMBRANE WATERPROOFING		BARK CHIP MULCH		EXPLORATORY TEST PITS		ALLOWANCE FOR ANTI-FREEZE ADDITIVE IN	PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 50,000.00
COL. 2 ENGINEER'S	OUANTITIES	770.0	н Л	4,400.0	S.Y.	160.0	Eu C	1.0	គេ ស
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	8.22 D	(100)	8.32	(190)	5.00 C	(191)	9.04 HW	(192)

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)	S H
			DOLLARS	DOLLARS	CTS
9.07 ARB	750.0	NON-WOVEN GEOTEXTILE - ROOT BARRIER			
(193)	S.Y.				(
			20	00.097.6	3
9.07 AWB	5,480.0	NON-WOVEN GEOTEXTILE - WEED BARRIER			
(194)	S.Y.				ı
	,		\$ 500	00.00476 10	81
9.99 M	0.96	FLASHING ARROW BOARD	P	(	(
(195)	MONTH			25	
			2017	\$	4/8
HW-907	1.0	ALLOWANCE FOR INCIDENTAL ASBESTOS ABATEMENT			
(196)	ίτι O	PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 15,000.00	15,000.00	15,000.00	.00

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

UNTS S)	CTS	00	00	<u> </u>	0
COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	00,000,981	51,920.00	B	s 184, 520 00
× i		s	w.	w	
3. S.)	CIS	0	00:08	3	00 005
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	00511	288	v,	\$ 659
COL. 3 CLASSIFICATIONS		FURNISH AND INSTALL BOLLARDS	FURNISH AND INSTALL STANDARD TYPE ANCHOR BOLT FOUNDATION AS PER DWG J-5253 FOR INSTALLING TYPE "BC", "M", LYRE AND "5TH AVENUE", "GCPW", LAMPPOST.	REMOVE STANDARD TYPE ANCHOR BOLT CONCRETE FOUNDATION	FURNISH AND INSTALL TYPE "M" LAMPPOST WITH P.E.C. RECEPTACLE, AS PER DRAWING H-5260.
COL. 2 ENGINEER'S ESTIMATE OF	OUANTITIES	124.0 EACH	59.0 EACH	59.0 EACH	28.0 EACH
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	NYC-665.16000011 (197)	SL-20.02.10 (198)	SL-20.08.01 (199)	SL-21.04.14 (200)

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PIN 8502012HW0039C

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Contract PIN 89
Project ID HW

PIN 8502012HW0039C
D HWXP136A

COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	\$ 141,570 00	s 19,500 00	\$ 56,650 00
COL: 4	UNIT PRICES (IN FIGURES)	DOLLARS	00. 01.64 s	3,900 00	\$ 5,150 00
COL. 3	CLASSIFICATIONS		FURNISH AND INSTALL PENDANT TYPE (TEAR DROP) LED FIXTURE	FURNISH AND INSTALL TYPE "M" SHAFT EXTENSION AND ARM ASSEMBLY WITH PHOTOELECTRIC CONTROL RECEPTACLE FOR "M-2" TRAFFIC POST, AS PER DRAWING H-5268. M-2 ORNAMENTAL CASTINGS FURNISHED AND INSTALLED BY OTHERS.	FURNISH AND INSTALL "M" TWIN ARMS/SHAFT EXTENSION ASSEMBLY WITH P.E.C. RECEPTACLE FOR M-2 TRAFFIC POST AS PER DWG H-5268. M-2 ORNAMENTAL CASTINGS FURNISHED AND INSTALLED BY OTHERS PER UNIT ITEM.
COL. 2	ENGINEER'S ESTIMATE OF	COMMITTES	117.0 EACH	5.0 EACH	11.0 EACH
COL. 1	ITEM NUMBER	(SEQUENCE NO.)	SL-22.16.07 (205)	SL-24.04.02 (206)	SL-24.04.04 (207)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

Project ID
DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

t PIN 8502012HW0039C: ID HWXP136A

T S	CTS	8	8	8	8
COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	* 4,500	089	\$ 156,750 00	\$ 30,400
	CIS			00	81
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	30 09	00 021 s	000000	009 \$
COL. 3 CLASSIFICATIONS		FURNISH AND INSTALL, OR FURNISH AND REPLACE A PLUG-IN SOLID STATE PHOTOELECTRIC CONTROL	FURNISH AND INSTALL LED FIRE ALARM LUMINAIRES.	FURNISH, INSTALL, MAINTAIN AND REMOVE EQUIPMENT FOR TEMPORARY LIGHTING, AS PER DRAWING J-5226	PAINT "M-2" TRAFFIC POST INCLUDING SHAFT EXTENSION AND ARM
COL. 2 ENGINEER'S ESTIMATE OF	COMPLITIES	75.0 EACH	4.0 EACH	75.0 EACH	34.0 EACH
COL. 1 ITEM NUMBER	(SECOENCE NO.)	SL-26.01.01 (208)	SL-26.06.02 (209)	SL-29.01.03 (210)	SL-31.01.03 (211)

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Contract PIN Project ID

ces)	CTS	00 082 00	9	8	22 0 0
COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS			2,000 00	
s (g	CIS	380,000	<u>*</u>	\$	0.
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	7810 s	ş	<u>do 0001 °</u>	w.
COL. 3 CLASSIFICATIONS		INSTALL TYPE "S" OR "T" FOUNDATION	REMOVE TYPE "A", "B", "S" OR "T" SERIES FOUNDATION	INSTALL TYPE "F-1" FOUNDATION	REMOVE TYPE "M" SERIES FOUNDATION
COL. 2 ENGINEER'S ESTIMATE OF	OUANTITIES	11.0 EACH	14.0 EACH	2.0 EACH	28.0 EACH
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	T-1.1 (212)	T-1.18 (213)	T-1.2 (214)	T-1.20 (215)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	001	3,520 00	\$ 30,750 00	\$ 11,070 OO
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	81	00 0A8 s	s 1,330 00	\$ 1,230 00
COL. 3 CLASSIFICATIONS		REMOVE TYPE "F-1" FOUNDATION	RAISE OR LOWER FOUNDATION TO GRADE	INSTALL TYPE "M2-58" FOUNDATION	INSTALL TYPE "M2-51" FOUNDATION
COL. 2 ENGINEER'S ESTIMATE OF	COMMITTES	1.0 EACH	3.0 EACH	25.0 EACH	9.0 EACH
COL. 1 ITEM NUMBER	(SEÇCENCE NO.)	T-1.21 (216)	T-1.29 (217)	T-1.3 (218)	T-1.6 (219)

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Contract PIN Project ID

PIN 8502012HW0039C D HWXP136A

COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	00 081 h s	\$ 3,800 00	s 13,860 00	8,2160.00
	CTS	81		00	81
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	380	380 00	000	3 1 180 0
COL. 3 CLASSIFICATIONS		INSTALL TYPE "S-1" OR "T-1" SERIES POST	REORIENT MAST ARM		FURNISH, INSTALL, MAINTAIN AND REMOVE TEMPORARY POST OR PYLON WITH CONTROLLER AND SIGNALS
COL. 2 ENGINEER'S ESTIMATE OF	OUANTITIES	11.0 EACH	10.0 EACH	14.0 EACH	7.0 EACH
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	T-2.1 (220)	T-2.15 (221)	T-2.16 (222)	T-2.18 (223)

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN

8502012HW0039C HWXP136A Project ID

COL. 1	COL. 2	COL. 3	COL. 4	COL. 5
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)
			DOLLARS CTS	DOLLARS
T-2.2	2.0	INSTALL TYPE "S-14" POST		
(224)	ЕАСН			
			2000	00 092
T-2.22	11.0	REMOVE TYPE "S-1" OR "T-1" SERIES POST		
(225)	EACH		<u></u>	
			\$ 0.50 CO	00 047 %
T-2.23	3.0	REMOVE TYPE "S-10", "T-10" OR "S-14" SERIES		
(226)	EACH	POST		(
			00 00h s	\$ 1,300 00
T-2.24	32.0	REMOVE TYPE "M" SERIES POST	-	_
(227)	EACH			
			\$ 200 CC	00 02/00 \$

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN 85 Project ID HW

PIN 8502012HW0039C D HWXP136A

	ام.	AMOUNTS GURES)	CIS		3,660 00	 () () ()	01 10 00 00 00 00 00 00 00 00 00 00 00 0	· · · · · · · · · · · · · · · · · · ·	200 00	<del></del>	300 00
	COL.	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS		3,6		s dit		\$	-	22
		s ::	CIS		00 06	<u>(</u>	17000		<u> </u>		81
	COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	-	067 \$	Š	727 \$		901 \$		9
	COL. 3	CLASSIFICATIONS		REMOVE MAST ARM FROM ANY POST		INSTALL STREET LIGHT LUMINAIRE SUPPORT ARM ON "M-2" POST		REMOVE ADDITIONAL STREET LIGHT ARM (TWIN)		INSTALL ADDITIONAL STREET LIGHT ARM (TWIN)	
	COL. 2	ENGINEER'S ESTIMATE OF	OUANT IT LES	14.0	EACH	13.0 EACH		2.0	EACH	2.0	EACH
- Angeles and a second	COL. 1	ITEM NUMBER	(SEQUENCE NO.)	T-2.28	(228)	T-2.32 (229)		T-2.35	(230)	T-2.36	(231)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

 PIN
 8502012HW0039C

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 HWXP136A

COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	33,100,00	300 00	960 00	4,620 00
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	\$ 00.00%	300000	\$ 00 087 \$	420.00
CLASSIFICATIONS		INSTALL TYPE "M-2" POST	INSTALL 5 FOOT MAST ARM EXTENSION W/CUSTOM FINISH	INSTALL MAST ARM ON EXISTING "M-2" TRAFFIC POST	FURNISH TEN FOOT ALUMINUM SIGNAL POST TYPE "S-1"
COL. 2 ENGINEER'S ESTIMATE OF OUANTITIES		34.0 EACH	1.0 EACH	2.0 EACH	11.0 EACH
COL. 1 ITEM NUMBER (SEQUENCE NO.)		т-2.4 (232)	T-2.6 (233)	T-2.9 (234)	T-20000 (235)

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN 8
Project ID B

PIN 8502012HW0039C

COL. 4 COL. 5	UNIT PRICES EXTENDED AMOUNTS (IN FIGURES)	DOLLARS CTS DOLLARS CTS	ASSEMBLIES FOR S 462 00	s FOR s 160 00	\$ 2,710 00 \$ 94,850 00	х мітн \$ 480 00 в 13,440 00
COL. 2	ENGINEER'S CLASSIFICATIONS ESTIMATE OF	OUANTITES	33.0 a) FURNISH 3/4" ANCHOR BOLT S-1 (EACH) (3 REQUIRED PER I	8.0 b) FURNISH 1" ANCHOR BOLT ASSEMBLIES EACH F-1 (EACH) (4 REQUIRED PER POST)	35.0 FURNISH 20 FOOT SIGNAL MAST ARM POLE EACH ASSEMBLY TYPE "M-2"	28.0 a) FURNISH 5' EXTENSION ARM ASSEMBLY WITH EACH FITTINGS
COL. 1		(SEQUENCE NO.)	T-20020 (236)	T-20021 (237)	T-20160 (238)	T-20184 (239)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

PIN 8502012HW0039C

	တ	CIS		90	<b>!</b>	20	2	20
COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS		9 400 00		27.42.00	00 00h17 °	13,680 00
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS		00 00H1 s		00 1th	00002 \$	30 00
COT, 3	CLASSIFICATIONS		b) FURNISH 20' ARM ASSEMBLY WITH FITTINGS			c) FURNISH 1-1/4" ANCHOR BOLT ASSEMBLIES FOR M-2. (EACH) (4 REQUIRED PER POST)	FURNISH ALUMINUM TRAFFIC SIGNAL POST TYPE "S-14"	INSTALL "ONE-WAY" SIGNAL UNIT ON MAST ARM OR TOP OF TRAFFIC POST
COL. 2	ENGINEER'S ESTIMATE OF		6.0	БАСН		140.0 EACH	2.0 EACH	72.0 EACH
COL. 1	ITEM NUMBER (SEQUENCE NO.)		T-20186	(240)		T-20220 (241)	T-20640 (242)	T-3.1 (243)

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Contract PIN Project ID

S	CTS	00	0	00	
COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	\$ 1,000 oc	00 07771 00	00 082111 \$	\$ 2,680 00
	CIS	200		<u>00</u>	<u> </u>
COL. 4 UNIT PRICES	DOLLARS	00° s	09 08h s	<u>20</u> 001 °	00 018 ,
COL. 3 CLASSIFICATIONS		HOOD ONE SIGNAL HEAD	RAISE SIGNAL HEAD ON ANY TYPE POST	REMOVE SIGNAL HEAD FROM ANY TYPE POST	INSTALL "ONE-WAY" SIGNAL UNIT ON THE SHAFT OF ANY POST
COL. 2 ENGINEER'S ESTIMATE OF	COMPLITIES	5.0 EACH	3.0 EACH	62.0 EACH	. 28.0 EACH
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	T-3.15 (244)	T~3.16 (245)	T-3.18 (246)	T-3.2 (247)

Contract PIN Project ID

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	\$ 18,240 00	3,000.00	3,430,00	33,600,00
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	30,00	00,001	90 070	380 00
COL. 3 CLASSIFICATIONS		REMOVE PEDESTRIAN SIGNAL OR SIGN UNIT OR OTHER ILLUMINATED SIGNS FROM ANY POST	REMOVE STREET LIGHT LUMINAIRE AND PHOTO ELECTRIC CONTROL FROM STREET LIGHT ARM	INSTALL STREET LIGHT LUMINAIRE AND PHOTO ELECTRIC CONTROL ON STREET LIGHT MAST	INSTALL PEDESTRIAN SIGNAL ON ANY TYPE POST
COL. 2 ENGINEER'S ESTIMATE OF	OUANTITIES	96.0 EACH	20.0 EACH	18.0 EACH	120.0 EACH
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	T-3.21 (248)	T-3.26 (249)	T-3.27 (250)	T-3.6 (251)

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Contract PIN

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8502012HW0039C

HWXP136A

CIS 300 00 3 31,750 00 8 00.00 EXTENDED AMOUNTS (IN FIGURES) 268 COL. 5 DOLLARS 00,00 CIS UNIT PRICES (IN FIGURES) COL. 4 DOLLARS e) "VB" ASSEMBLY \*ASSEMBLY IS EQUAL TO ONE FURNISH MAST ARM SIGNAL MOUNTING ASSEMBLY a) "1MS" CAST ALUMINUM TRAFFIC SIGNALS 8" - W/LED LENS ALUMINUM DIE CASTINGS AND FURNISH ADJUSTABLE 3 SECTION 1-WAY, DIE ASSEMBLY FOR POST SIGNAL MOUNTING CLASSIFICATIONS FURNISH "1SA" PAIR 75.0 EACH 28.0 EACH EACH 2.0 EACH 11.0 ESTIMATE OF ENGINEER'S OUANTITIES COL. 2 (SEQUENCE NO.) ITEM NUMBER COL. 1 T-30013L **T-31150** T-31205 T-31200 (254)(255)(252)(253)

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN

8502012HW0039C HWXP136A Project ID

COL. 1 ITEM NUMBER (SEQUENCE NO.)	ENGINEER'S ESTIMATE OF OUANTITIES	COL. 3 CLASSIFICATIONS	COL. 4  UNIT PRICES (IN FIGURES)  DOLLARS CTS	COL. 5 EXTENDED AMOUNTS (IN FIGURES) DOLLARS	S
	88.0 EACH	h) "HUB" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	301.00	3,552,00	8
	24.0 EACH	b) "2MS"	90,081	\$ 4,330 OC	21
	1.0 EACH	c) "3MS"	300 00	\$ 200 00	2
	1.0 EACH	d) "4Ms"	3000	\$ 200	

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN 8
Project ID F

PIN 8502012HW0039C

COL. 5	ES EXTENDED AMOUNTS S) (IN FIGURES)	CTS DOLLARS CTS	00 008/01 \$ 00 08	00 005/6 \$ 00	00 000 % 6, 600 00	200 400 000
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	80	980	3000	25
COL. 3	CLASSIFICATIONS		g) "VB-2P" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	FURNISH ADJUSTABLE 3 SECTION 1-WAY, DIE CAST ALUMINUM TRAFFIC SIGNALS 12" - W/LED LENS	FURNISH 12" LENS & SIGNAL SECTION (LED RED ARROW)	FURNISH 12" AMBER ARROW LED (AS PER NYC SPEC)
COL. 2	ENGINEER'S ESTIMATE OF	COMMITTES	60.0 EACH	25.0 EACH	33.0 EACH	BACH
COL. 1	ITEM NUMBER	(SEÇUENCE NO.)	T-31351 (260)	T-31500L (261)	T-31500RL (262)	T-31501AA (263)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

PIN 8502012HW0039C D HWXP136A

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COL. 1	COI. 2	COL. 3	COL. 4	COL. 5	
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)	ទ
(SEQUENCE NO.)	OUANTITIES		DOLLARS	DOLLARS	CIS
T-31501-G	3.0	FURNISH 12 INCH GREEN LED (AS PER NYC SPEC)			
(264)	EACH		5	6	
			3	2	31
T-31501GA (265)	8.0 EACH	FURNISH 12 INCH GREEN ARROW LED (AS PER NYC SPECIFICATION)			
			00 00	00 08 <del>1</del>	00
T-31501-R (266)	57.0 EACH	FURNISH 12 INCH RED LED (AS PER ITE SPECIFICATION 1/1/98)			
			20.00	3,850,00	20
T-31501-RA (267)	8.0 EACH	FURNISH 12 INCH RED ARROW LED (AS PER ITE SPECIFICATION 1/1/98)			
			\$	287	0

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

EIN 8502012HW0039C HWXP136A

EXTENDED AMOUNTS (IN FIGURES)	S DOLLARS CTS	\$ 33,000 00	3 11,970,00	00 0927 5	00 3,990 00
CES (ES)	CTS	320 00		00.088	00/025
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	32	00 0127	(X) (X)	25
COL. 3 CLASSIFICATIONS		FURNISH POLYCARBONATE PEDESTRIAN SIGNAL (16 X 16) W/LED COUNT LENS (SPECIFICATION A-L.)	INSTALL ONE CONTROL BOX AND CONTROLLER ON ANY POST OR SUPPORT	INSTALL CONTROL BOX ON ANY POST	REMOVE ONE CONTROL BOX AND CONTROLLER FROM ANY POST OR SUPPORT
COL. 2 ENGINEER'S ESTIMATE OF	OUANTITIES	100.0 EACH	7.0 EACH	2.0 EACH	7.0 EACH
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	T-33001-L (268)	T-4.1 (269)	T-4.4 (270)	T-4.8 (271)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

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	AMOUNTS TRES)	CIS		380	1 - 00	2930 00	1,465 00
COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS		(U)	00 054 061	200	37.17
		CIS		$\sim$			
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS		30000	\$ 29	28	30
COL. 3	CLASSIFICATIONS		REMOVE CONTROL BOX FROM ANY POST OR SUPPORT		FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN UNPAVED ROADWAY	FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN PAVED ROADWAY	FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN PAVED SIDEWALK
COL. 2	ENGINEER'S ESTIMATE OF		2.0	EACH	6,500.0 L.F.	100.0 L.F.	50.0 L.F.
COL. 1	ITEM NUMBER		T-4.9	(272)	T-5.1 (273)	T-5.2 (274)	T-5.3 (275)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN

8502012HW0039C HWXP136A Project ID

COL 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	001	\$ 0 20	\$ 3,850,00	36,050,00
8 6	CIS	100	<u> </u>	581	$-\frac{\omega}{\widetilde{\wp}}$
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	\$	Q s	E	6
CLASSIFICATIONS		RESTORING PERMANENT ROADWAY (INCLUDING SAWCUT)	RESTORING PERMANENT SIDEWALK	INSTALL CABLE (INCLUDES OVERHEAD)	REMOVE CABLE (INCLUDES OVERHEAD)
COL. 2 ENGINEER'S ESTIMATE OF	OUANTITES	100.0 L.F.	ооо С. н.	1,000.0 L.F.	7,000.0 L.F.
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	T-5.32 (276)	T-5.34 (277)	T-6.1 (278)	T-6.10 (279)

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

S	CIS	0		00	00
COL. 5 EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	53,550,00	11,200.00	4,550 00	00 006'81
	CTS	2	0	000	01
COL. 4 UNIT PRICES (IN FIGURES)	DOLLARS	\$	·	w	07/20
COL. 3 CLASSIFICATIONS		INSTALL MULTIPLE CABLE (INCLUDES OVERHEAD)	FURNISH 2 c # 10B (BREAKDOWN = 2#10 WITH 3RD WIRE FOR GROUNDING).	c) 7 CONDUCTOR, 14 A.W.G.	e) 13 CONDUCTOR, 14 A.W.G.
ENGINEER'S ESTIMATE OF	OUANTITIES	7,000.0 L.F.	7,000.0 L.F.	3,500.0 L.F.	9,000.0 L.F.
COL. 1 ITEM NUMBER	(SEQUENCE NO.)	T-6.2 (280)	T-60000B (281)	T-60040 (282)	T-60190 (283)

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN 85
Project ID HV

PIN 8502012HW0039C D HWXP136A

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Contract PIN

8502012HW0039C HWXP136A Project ID

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

COL. 1	COL. 2	COL. 3	COL. 4	COL. 5
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)
(SEÇCENCE NO.)	COMMITTES		DOLLARS	DOLLARS
T-8.8	20.0	INSTALL CONCRETE PYLON		
(288)	ЕАСН		() ()	
			\$ 1,030 00	\$ 30,600,00
F-8.9	20.0	REMOVE CONCRETE PYLON		
(289)	EACH			
			2000	* 11400
T-81000	20.0	FURNISH CONCRETE PYLON		
(290)	EACH		(	
			3000	\$ 7,600,00
UTL-6.01.1 (291)	10.0	GAS MAIN CROSSING SEWER UP TO 24" IN DIAMETER (S6.01)		
		Unit price bid shall not be less than: \$ 1,040.00	0010h07 *	00/00/101 \$

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

	ICES EXTENDED AMOUNTS (IN FIGURES)	CTS DOLLARS CTS	310 00 1, 630 00	465 00 \$ 4,650 00	485.00 \$ 5,335.00	715 00 3 3,860 00
- 1	UNIT PRICES	DOLLARS	(X)	47	44	1 s
	CLASSIFICATIONS		GAS MAIN CROSSING WATER MAIN 48" THRU 54" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$810.00	GAS SERVICES CROSSING TRENCHES AND/OR EXCAVATIONS (S6.01) Unit price bid shall not be less than: \$ 465.00	GAS MAIN CROSSING WATER MAIN UP TO 20" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$485.00	EXTRA EXCAVATION FOR THE INSTALLATION OF CATCH BASIN SEWER DRAIN PIPES WITH GAS INTERFERENCES (S6.02)  Unit price bid shall not be less than: \$715.00
	ENGINEER'S ESTIMATE OF	OUANTITIES	2.0 EACH	10.0 EACH	11.0 EACH	4.0 EACH
	ITEM NUMBER	(SEQUENCE NO.)	UTL-6.01.12 (292)	UTL-6.01.8 (293)	UTL-6.01.9 (294)	UTL-6.02 (295)

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

 PIN
 8502012HW0039C

 ID
 HWXP136A

COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	9
(SEQUENCE NO.)	ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNT (IN FIGURES)	n N
			DOLLARS	DOLLARS	CTS
UTL-6.03 (296)	3,400.0 L.F.	REMOVAL OF ABANDONED GAS FACILITIES. ALL SIZES. (S6.03)			
		Unit price bid shall not be less than: \$ 15.00	\$ 00	2000,000	20
UTL-6.03.1A (297)	400.0 L.F.	REMOVAL OF ABANDONED GAS FACILITIES WITH POSSIBLE COAL TAR WRAP. ALL SIZES. (S6.03)	, , , , , , , , , , , , , , , , , , ,	() ()	{
		Unit price bid shall not be less than: \$ 25.00		2000	31
UTL-6.04 (298)	41.0 EACH	ADJUST HARDWARE TO GRADE USING SPACER RINGS/ADAPTORS. (STREET REPAVING.) (S6.04)	i T	ニース かこ こ	
		Unit price bid shall not be less than: \$ 35.00		\$ 00 H 7 S	<u> </u>
UTL-6.05 (299)	10.0 EACH	ADJUST HARDWARE TO GRADE BY RESETTING. (ROAD RECONSTRUCTION.) (S6.05)			
		Unit price bid shall not be less than: \$ 65.00			SI

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

PIN 8502012HW0039C D HWXP136A

COL. 1	COI. 2	COL. 3	COL. 4	COL. 5	
ITEM NUMBER	ENGINEER'S ESTIMATE OF	CLASSIFICATIONS	UNIT PRICES (IN FIGURES)	EXTENDED AMOUNTS (IN FIGURES)	ຮູ
(SEQUENCE NO.)	COANTITIES		DOLLARS	DOLLARS	CIS
UTL-6.06	0.068	SPECIAL CARE EXCAVATION AND BACKFILLING			
(300)	G. ¥.	(86.06)	QQ[QS]		(
		Unit price bid shall not be less than: \$ 180.00	200	20000	31
UTL-6.07	150.0	TEST PITS FOR GAS FACILITIES (S6.07)			
(301)	C.Y.				4
		Unit price bid shall not be less than: \$ 100.00	3	2000/21	31
UTL-GCS-2WS	1.0	GAS INTERFERENCES AND ACCOMMODATIONS			
(302)	Eri CO	PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 75,000.00	\$ 75,000.00	75,000.00	00

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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

Contract PIN Project ID

IN 8502012HW0039C

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COL. 5	EXTENDED AMOUNTS (IN FIGURES)	DOLLARS	36,118,601	1.1	* 876,398 (4)	30,000,500,916.	
		CIS					
COL. 4	UNIT PRICES (IN FIGURES)	DOLLARS	SUB-TOTAL:		VE SUB-TOTAL	TOTAL BID PRICE:	
<u>cor. 3</u>	CLASSIFICATIONS			MOBILIZATION	PRICE BID SHALL NOT EXCEED 4% OF THE ABOVE SUB-TOTAL PRICE.		
COL. 2	ENGINEER'S ESTIMATE OF	COANTILES		1.0	LUMP SUM		
COL. 1	ITEM NUMBER	(SEÇOENCE NO.)		6.39 A	(303)		

PLEASE BE SURE A LEGIBLE BID IS ENTERED FOR EACH ITEM.

THE BIDDER SHALL INSERT THE TOTAL BID PRICE IN THE BID FORM ON PAGE C-4 OF THIS BID BOOKLET.

#### **BID FORM**

### PROJECT ID. HWXP136A

<u>TOTAL BID PRICE</u>: In the space provided below, the Bidder shall indicate its Total Bid Price in figures. Such Total Bid Price is set forth on the final page of the Bid Schedule.

TOTAL BID PRICE: (a/k/a BID PROPOSAL)

s 36,995,000,00 SAL)

BIDDER'S SIGNATURE AND AFFIDAVIT D.X

M/WBE UTILIZATION PLAN: By signing its bid in the space below, the bidder agrees to the Vendor Certification and Required Affirmations set forth below, unless a full waiver of the Participation Goals is granted. The Vendor Certification and Required Affirmations will be deemed to satisfy the requirement to complete Section V of Part II of Schedule B: M/WBE Utilization Plan.

Section V: Vendor Certification and Required Affirmations: I hereby: 1) acknowledge my understanding of the M/WBE participation requirements as set forth in this Contract and the pertinent provisions of Section 6-129 of the Administrative Code of the City of New York ("Section 6-129"), and the rules promulgated thereunder; 2) affirm that the information supplied in support of the M/WBE Utilization Plan is true and correct; 3) agree, if awarded this Contract, to comply with the M/WBE participation requirements of this Contract, the pertinent provisions of Section 6-129, and the rules promulgated thereunder, all of which shall be deemed to be material terms of this Contract; 4) agree and affirm that it is a material term of this Contract that the Vendor will award the total dollar value of the M/WBE Participation Goals to certified MBEs and/or WBEs, unless a full waiver is obtained or such goals are modified by the Agency; and 5) agree and affirm, if awarded this Contract, to make all reasonable, good faith efforts to meet the M/WBE Participation Goals, or If a partial waiver is obtained or such goals are modified by the Agency, to meet the modified Participation Goals by soliciting and obtaining the participation of certified MBE and/or WBE firms.

Bidder: DEBO	e Construction Corp	
Ву:	risa De Bonio	
( /	(Signature of Partner or corporate officer)	)
Attest:	Secretary of Corr	porate Bidder

Affidavit on the following page should be subscribed and sworn to before a Notary Public

(Corporate Seal)

# BID FORM (TO BE NOTARIZED)

## AFFIDAVIT WHERE BIDDER IS AN INDIVIDUAL

STATE OF NEW YORK, COUNTY OF		_ ss:	
I am the person described in and who executed respects true.	the foregoing bid, and the se	everal ma	being duly sworn says: tters therein stated are in all
Tospecis true.			
Subscribed and sworn to before me this day of,	(Signature o	of the pers	on who signed the Bid)
Superior Sup			
Notary Public			
•			
AFFIDAVIT W	HERE BIDDER IS A PART	<u> NERSHI</u>	<u>P</u>
STATE OF NEW YORK, COUNTY OF		_ ss:	
I am a member of	1 6 1		being duly sworn says:
bid. I subscribed the name of the firm thereto or respects true.	the firm description behalf of the firm, and the	ribed in ar e several n	nd which executed the foregoing matters therein stated are in all
	(Signature o	of Partner	who signed the Bid)
Subscribed and sworn to before me this,	(organitae)		
Notary Public			
AFFIDAVIT WI	HERE BIDDER IS A CORP	ORATIO	N
	- C-1V	<u>Old III</u>	······································
STATE OF NEW YORK, COUNTY OF E	DUHOIK	_ ss:	1 1 . 1 . 1
I am the President of the	he above named corporation  WY  NY	whose na	_ being duly sworn says: me is subscribed to and which
I have knowledge of the several matters therein	stated, and they are in all re	spects true	e.
	Rusa	DL	Berris
Subscribed and sworn to before me this	(Signature of Corpora	ate Officer	who signed the Bid)
26 12 day of Argust, 2013	DIANA A. DOR	A	
Olar a lon	NOTARY PUBLIC, State ( No. 41-492292	ot N <b>ew Yon</b> 6	
Notary Public	Qualified in Suffolk Commission Expires		2014
			r
	•		



### FORM OF BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we,
DeBoe Construction Corp.
6 Elks Court, Huntington, NY 11743
Hereinafter referred to as the "Principal", and
Travelers Casualty and Surety Company of America
343 Thornall Street, 5 <sup>th</sup> Floor, Edison, NJ 08837-2238
hereinafter referred to as the "Surety" are held and firmly bound to THE CITY OF NEW YORK,
hereinafter referred to as the "CITY", or to its successors and assigns in the penal sum of
Ten percent of total bid amount
Total portion of countries and activisms
(\$ 10% of Bid Amount). Dollars lawful money of the United States, for the payment of which said sum of money well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.
Whereas, the Principal is about to submit (or has submitted) to the City the accompanying proposal,
hereby made a part hereof, to enter into a contract in writing for DDC Project HWXP136A - PIN #8502012HW0039C
Reconstruction of Grand Concourse Service Roads including resurfacing of the main roadway and widening of medians from East 166th
Street to East 171st Street, including sewer, water main, street lighting and traffic signal work, Borough of the Bronx

NOW, THEREFORE, the conditions of this obligation are such that if the Principal shall not withdraw said Proposal without the consent of the City for a period of forty-five (45) days after the opening of the bids and in the event of acceptance of the Principal's Proposal by the City, if the Principal shall:

- (a) Within ten (10) days after notification by the City, execute in quadruplicate and deliver to the City all the executed counterparts of the Contract in the form set forth in the Contract Documents, in accordance with the proposal as accepted, and
- (b) Furnish a performance bond and separate payment bond, as may be required by the City, for the faithful performance and proper fulfillment of such Contract, which bonds shall be satisfactory in all respects to the City and shall be executed by good and sufficient sureties, and
- (c) In all respects perform the agreement created by the acceptance of said Proposal as provided in the Information for Bidders, bound herewith and made part hereof, or if the City shall reject the aforesaid Proposal, then this obligation shall be null and void; otherwise to remain in full force and effect.

### BID BOND 2

In the event that the Proposal of the Principal shall be accepted and the Contract be awarded to him the Surety hereunder agrees subject only to the payment by the Principal of the premium therefore, if requested by the City, to write the aforementioned performance and payment bonds in the form set forth in the Contract Documents.

It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

There shall be no liability under this bond if, in the event of the acceptance of the Principal's Proposal by the City, either a performance bond or payment bond, or both, shall not be required by the City on or before the 30<sup>th</sup> day after the date on which the City signs the Contract.

The surety, for the value received, hereby stipulates and agrees that the obligations of the Surety and its bond shall in no way be impaired or affected by any postponements of the date upon which the City will receive or open bids, or by any extensions of the time within which the City may accept the Principal's Proposal, or by any waiver by the City of any of the requirements of the Information for Bidders, and the Surety hereby waives notice of any such postponements, extensions, or waivers.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper 22nd Day of August , 2013 offices the

(Seal)

DeBoe Construction Corp.

Principal

By:

Ausa DeBonis, President

(L.S.)

(Seal) Travelers Casualty and Surety Company of America
Surety

By:

JENNIFER SPADARO, ATTORNEY - IN - FACT

### BID BOND 3

### ACKNOWLEDGMENT OF CONTRACTOR, IF A CORPORATION

State of	New Yo	rk Cou	inty of S	Suffolk	ss:
On this	22nd	day of	August,	2013	before me personally appeared
Lisa DeE	Bonis			to me kno	own, who, being by me duly sworn, did depose and say
that she re	esides at	Hunting	gton, New	York	
That she	is the Pr	esident	of	DeBoe	Construction Corp.
the corpo	ration desc	ribed in an	d which exe	cuted the f	foregoing instrument; that she knows the seal of said
C	orporation	that one of	f the seals at	ffixed to sa	aid instrument is such seal; that it was so affixed by order of the
d	irectors of	said corpor	ation, and th	hat she sign	ned her name hereto by like order.

TANYA KORZAN

NOTARY PUBLIC-STATE OF NEW YORK

No. 01KO6240655

Qualified in Suffolk County

My Commission Expires May 02, 20

### ACKNOWLEDGMENT OF SURETY

State of	New Yo	ork Cour	ty of	Suffolk	ss:	
On this	22nd	day of	August	, 2013	-	before me personally appeared
JENN	NIFER S	PADARO		to me kno	wn, v	ho, being by me duly sworn, did depose and say
that he resi	ides at	BRENT	WOOD,	NEW YOR	K	
that he is the	he A	ttorney-in-Fa	act	of	Tra	velers Casualty and Surety Company of America
the corpora	ation des	cribed in and	which ex	ecuted the fo	regoi	ng instrument; that he knows the seal of said
corporation	n; that on	e of the seals	affixed t	o said instrur	nent	is such seal; that it was so affixed by order of the
directors o	f said co	rporation, and	l that he s	signed his nar	ne he	reto by like order.

TANYA KORZAN

NOTARY PUBLIC-STATE OF NEW YORK

No. 01 KO6240655

Qualified in Suffolk County

My Commission Expires May 02, 20

Notary Public

Notary Public



### **POWER OF ATTORNEY**

**Farmington Casualty Company** Fidelity and Guaranty Insurance Company Fidelity and Guaranty Insurance Underwriters, Inc. St. Paul Fire and Marine Insurance Company St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company **Travelers Casualty and Surety Company** Travelers Casualty and Surety Company of America **United States Fidelity and Guaranty Company** 

Attorney-In Fact No.

214197

Certificate No. 004458925

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

the City ofSmithtow ch in their separate capacity in her writings obligatory in the intracts and executing or guar	f more than one is name nature thereof on beha	If of the Companies is	ute, seal and ackno n their business of	wledge any ar guaranteeing	d all bonds, reco	ognizances, conditi ersons, guaranteei	ul Attorney(s)-in-Fa onal undertakings ang the performance
WITNESS WHEREOF, th	e Companies have cause	ed this instrument to b	e signed and their	corporate seal	s to be hereto aff	ixed, this	8th
	Farmington Casua	lty Company		St Pe	ul Mercury Ins		
	Fidelity and Guara Fidelity and Guara St. Paul Fire and N	anty Insurance Comp anty Insurance Under Marine Insurance Com Insurance Company	rwriters, Inc. mpany	Trave Trave	elers Casualty a elers Casualty a	nurance Company nd Surety Compa nd Surety Compa y and Guaranty (	nny nny of America
1982	Fidelity and Guara Fidelity and Guara St. Paul Fire and N	nty Insurance Comp inty Insurance Under Marine Insurance Co	rwriters, Inc. mpany	Trave Trave	elers Casualty a elers Casualty a	nd Surety Compa nd Surety Compa	nny nny of America
ate of Connecticut ty of Hartford ss.	Fidelity and Guara Fidelity and Guara St. Paul Fire and M St. Paul Guardian	nty Insurance Comp inty Insurance Under Marine Insurance Co	rwriters, Inc. mpany	Trave Unite	elers Casualty and elers Casualty and States Fidelity	nd Surety Compa nd Surety Compa y and Guaranty (	any of America Company



### WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, and Vi esident, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 221d day of August



















To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

### TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

### HARTFORD, CONNECTICUT 06183

### FINANCIAL STATEMENT AS OF DECEMBER 31, 2012

### AS FILED IN THE STATE OF NEW YORK

### **CAPITAL STOCK \$ 6,480,000**

ASSETS		LIABILITIES & SURPLUS	
CASH AND INVESTED CASH BONDS INVESTMENT INCOME DUE AND ACCRUED OTHER INVESTED ASSETS PREMIUM BALANCES NET DEFERRED TAX ASSET REINSURANCE RECOVERBLE SECURITIES LENDING REINVESTED COLLATERAL ASSETS RECEIVABLES FROM PARENT, SUBSIDIARIES AND AFFILIATES UNDISTRIBUTED PAYMENTS OTHER ASSETS	\$ 15,936,791 3,713,171,015 50,798,732 280,730,697 184,942,508 63,274,378 12,410,624 7,769,155 11,080,470 (1,439,585) 884,093	UNEARNED PREMIUMS LOSSES REINBURANCE PAYABLE ON PAID LOSSES & LOSS ADJ. EXPENSES LOSS ADJUSTMENT EXPENSES COMMISSIONS TAXES, LICENSES AND FEES OTHER EXPENSES FUNDS HELD UNDER REINSURANCE TREATIES CURRENT FEDERAL AND FOREIGN INCOME TAXES REMITTANCES AND ITEMS NOT ALLOCATED AMOUNTS WITHHELD / RETAINED BY COMPANY FOR OTHERS RETROACTIVE REINSURANCE RESERVE ASSUMED POLICYHOLDER DIVIDENDS PROVISION FOR REINSURANCE ADVANCE PREMIUM PAYABLE FOR SECURITIES LENDING CEDED REINSURANCE NET PREMIUMS PAYABLE ESCHEAT LIABILITY OTHER ACCRUED EXPENSES AND LIABILITIES TOTAL LIABILITIES	\$ 783,409,692 901,055,710 1,446,021 534,370,680 29,281,779 66,762,894 35,588,967 94,449,544 60,675,573 19,270,931 79,084,806 3,163,164 6,730,121 5,314,325 726,898 7,769,155 (70,803,744) 525,399 262,062 \$ 2,559,106,957
		CAPITAL STOCK PAID IN SURPLUS OTHER SURPLUS TOTAL SURPLUS TO POLICYHOLDERS	\$ 6,480,000 433,803,760 1,340,168,061 \$ 1,780,451,821
TOTAL ASSETS	\$ 4,339,558,778	TOTAL LIABILITIES & SURPLUS	\$ 4.339,558,778

STATE OF CONNECTICUT

)

COUNTY OF HARTFORD

) 85.

CITY OF HARTFORD

)

MICHAEL J. DOODY, BEING DULY SWORN, SAYS THAT HE IS SECOND VICE PRESIDENT, OF TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT STATEMENT OF THE FINANCIAL CONDITION OF SAID COMPANY AS OF THE 31ST DAY OF DECEMBER, 2012.

SUBSCRIBED AND SWORN TO BEFORE ME THIS 20TH DAY OF MARCH, 2013

ON A COLOMBIA

SUSAN M. WEISSLEDER

Notary Public

My Commission Expires November 30, 2017

	APT E-	
Tax ID #:	PIN #: _ 85013B0079	

SCHEDULE B – M/WBE Utilization Plan Part I: M/WBE Participation Goals

Part I to be completed by contracting agency

Project Description (attach additional pages if necessary)

Contract Overview		
APT E- Pin # Project Title/ Agency PIN #	85013B0079 RECONSTRUCTION OF GRAM 8502012HW0039C	FMS Project ID#: HWXP136A ND CONCOURSE SERVICE ROADS/
Bid/Proposal Response Date		· · · · · · · · · · · · · · · · · · ·
Contracting Agency	Department of Design and Cons	struction
Agency Address	30-30 Thomson Ave. City	Long Island City State NY Zip Code 11101
Contact Person	Jessica Lavides	Title MWBE Liaison & Compliance Analyst
Telephone #	(718) 391-1065	Email LavidesJe@ddc.nyc.gov

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

### BOROUGH OF THE BRONX CITY OF NEW YORK

### M/WBE Participation Goals for Services

Enter the percentage amount for each group or for an unspecified goal. Please note that there are no goals for Asian Americans in Professional Services.

Prime Contract Industry: Construction

Group	Percentage	
Unspecified	EXEMPT	%
or		The second secon
Black American	UNSPECIFIE	D
Hispanic American	UNSPECIFIE	D
Asian American	UNSPECIFIE	.D
Women	UNSPECIFIE	ED :
otal Participation Goals	EXEMPT	Line 1

Tax ID #:			APT E- PIN #:	85013	3B0079
SCHEDULE B - Part II: M/WBE Partic	ipation Plan	***************************************	ndigen and the second of the s	K. Kenga Kabupatan Sangan	
Part II to be completed by the bidder/pro Please note: For Non-M/WBE Prime C entire contract, you must obtain a FULL submitting it to the contracting agency granted, it must be included with your b bid or proposal.	poser. contractors who will waiver by completi pursuant to the Not oid or proposal and y	ng t ice 1	he Waiver Application of to Prospective Contract	on pa	ges 17 and 18 and timel
Section I: Prime Contractor Contact Infor	mation				
Tax ID #			FMS Vendor ID #		
Business Name			Contact Person		
Address			<del>-</del>	, , , ,	
Telephone #	Email				
Section II: M/WBE Utilization Goal Calcul	ation: Check the app	llea	ble box and complete s	ıbser	tion.
PRIME CONTRACTOR ADOPTING AG	ENCY M/WBE PAR	TIC	IPATION GOALS		
For Prime Contractors (including Qualified Joint Ventures and M/WBE firms) adopting Agency M/WBE Participation Goals.	Total Bid/Proposal Value		Agency Total Participation Goals (Line 1, Page 1)		Calculated M/WBE Participation Amount
Calculate the total dollar value of your total bid that you agree will be awarded to M/WBE subcontractors for services and/or credited to an M/WBE prime contractor or Qualified Joint Venture.					
Please review the Notice to Prospective Contractors for more information on how to obtain credit for M/WBE participation.	s	x		_	\$ Line 2
PRIME CONTRACTOR OBTAINED PAI	RTIAL WAIVER API	PRO	VAL: ADOPTING MO	DIFI	ED M/WBE
PARTICIPATION GOALS					j
For Prime Contractors (including Qualified Joint Ventures and M/WBE firms) adopting Modified M/WBE	Total Bid/Proposal Value		Adjusted Participation Goal (From Partial Waiver)		Calculated M/WBE Participation Amount
Participation Goals.					
Calculate the total dollar value of your total bid that you agree will be awarded to M/WBE subcontractors for services and/or credited to an M/WBE prime contractor or Qualified Joint Venture.					
Please review the Notice to Prospective Contractors for more information on how to obtain credit for M/WBE participation.					\$

Line 3

Tax ID #:			PIN #: 85013B0	079
Section III: M/WBE Utilization	Plan: How Proposer/B	Bidder Will Fulfill M/V	VBE Participation Goals.	Please
review the Notice to Prospecti				
participation. Check applicab				
	•		•	
As an M/WBE Prime Contra	ector that will self-perfor	m and/or subcontract	to other M/WBF firms a p	ortion of the
contract the value of which is at				
vork subcontracted to non-M/W				
Please check all that apply to Pr			•	
☐ MBE ☐WBE				
As a Qualified Joint Venture	with an M/WRF partner	r in which the value of	f the M/WBF partner's part	ticipation
and/or the value of any work sub				
above, as applicable. The value				
ulfillment of M/WBE Participatio				
☐ As a non M/WBE Prime Con		to subcontracts with N	M/WBE firms the value of w	hich is at
east the amount located on Line				
	, , , , , , , , , , , , , , , , , , , ,			
			Company of the Section of the Company	
Section IV: General Contract Inf	ormation			
***				
What is the expected percent	age of the total contract de	ollar value that you expe	ect to award in subcontracts for	or
services, regardless of M/WBI	= status? %			
				····
	Enter brief description of t	the type(s) and dollar value	of subcontracts for all/any service	ces you plan on
			m, indicate whether the work is o	
	participation by MBEs and end. Use additional shee		me in which such work is schedu	iled to begin and
	Cita, Ose additional since	is if necessary.		
	1.			
	2.			
	3.	The second with the		
	4 (4.645) (1.642) (2.42)			
	5.			
	6.			
	7.			
	8.53.481.00.7246.774.3			
Scopes of Subcontract Work	9			randon de la como de l La como de la como dela como de la como dela como de la como de l
	10. State of			
	11.	Schille Director		
	12.		Selection of the select	
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	14. material [1]		The Senting of the Se	
	15.			
	16.			
	17.	A MILE CAR		
	Pagadian			

APT E-

1 ax ID #:	PIN #: <u>85013B0079</u>
Section V: Vendor Certification and Required Affirmations I hereby: 1) acknowledge my understanding of the M/WBE participal pertinent provisions of Section 6-129 of the Administrative	tion requirements as set forth herein and the Code of the City of New York ("Section 6-
129"), and the rules promulgated thereunder; 2) affirm that the information supplied in support of this M/V 3) agree, if awarded this Contract, to comply with the M/W the pertinent provisions of Section 6-129, and the rules pro deemed to be material terms of this Contract;	WBE Utilization Plan is true and correct; BE participation requirements of this Contract.
4) agree and affirm that it is a material term of this Contraction value of the M/WBE Participation Goals to certified MBEs are such goals are modified by the Agency; and	and/or WBEs, unless a full waiver is obtained
5) agree and affirm, if awarded this Contract, to make all re M/WBE Participation Goals, or If a partial waiver is obtaine to meet the modified Participation Goals by soliciting and o and/or WBE firms.	d or such goals are modified by the Agency.
Signature	Date
Print Name	Title

APT E-

### SCHEDULE B – PART III – REQUEST FOR WAIVER OF M/WBE PARTICIPATION REQUIREMENT

Contract Overview			
Tax ID #	FMS	Vendor ID #	
Business Name	<u> </u>		
Contact Name	Telephone #	Email	
Type of Procurement	☐ Competitive Sealed Bids ☐ Other	Bid/Response Due Date	
APT E-PIN # (for this procurement):		Contracting Agency:	See Hay
M/WBE Participation	on Goals as described in bid/solicitation de	ocuments	
<b>%</b>	Agency M/WBE Participation Goal		
Proposed M/WBE Parti	cipation Goal as anticipated by vendor seek	ing waiver	
	of the total contract value anticipated <u>in good</u> or services and/or credited to an M/WBE Pri		
	uest: Check appropriate box & explain in o		The second state of the second se
Vendor does not su	bcontract services, and has the capacity a	nd good faith intention to perform	all such work
self with its own empl		,	
	ts some of this type of work but at a lower		
apacity and good faithne vendor will self-per  Vendor has other le	ts some of this type of work but at a <i>lower</i> intention to do so on this contract. (Atta form and subcontract to other vendors or egitimate business reasons for proposing t	ch subcontracting plan outlining s consultants.)	ervices that
apacity and good faith le vendor will self-per  Vendor has other le nder separate cover.  References ist 3 most recent contr	intention to do so on this contract. (Atta form and subcontract to other vendors or	ch subcontracting plan outlining sconsultants.)  he M/WBE Participation Goal above	ervices that ve. Explain
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List 3 most recent contracts performance of such contracts. Ac (Complete ONLY if vendor has performance)	dd more pages if necessary.		subcontract awarded in
TYPE OF Contract	ENTI		DATE COMPLETED
Manager at entity that hired ve		· · · · · · · · · · · · · · · · · · ·	
Total Contract Amount \$	Total Amount Subcontracted \$		
Type of Work Subcontracted			
TYPE OF Contract	AGENCY/ENTI	TY	DATE COMPLETED
Manager at agency/entity that hire No./Email)	d vendor (Name/Phone		
Total Contract Amount \$	Total Amount Subcontracted \$		
	Item of Work		
Item of Work	Subcontracted		Item of Work
Subcontracted and Value of subcontract	and Value of		Subcontracted and
value of subcontract	subcontract		Value of subcontract
TYPE OF Contract	AGENCY/ENTI	тү	DATE COMPLETED
Manager at entity that hired ve	endor (Name/Phone No./Ema	ail)	
Total Contract	Total Amount	·	The state of the s
Amount_\$	Subcontracted \$		
	Item of Work		
Item of Work Subcontracted and	Subcontracted		Item of Work
Value of subcontract	and Value of subcontract		Subcontracted and Value of subcontract
VENDOR CERTIFICATION: I her correct, and that this request is ma	reby affirm that the informat ade in good faith.		of this waiver request is true and
Signature:		Date:_	
Print Name:		Title:_	
Shaded area below is for agency co AGENCY CHIEF CONTRACTING Signature:		Date:	
CITY CHIEF PROCUREMENT OF Signature:	FFICER APPROVAL	1.0. Date:	
Waiver Determination		10 m	
Full Waiver Approved:  Waiver Denied:  Partial Waiver Approved:  Revised Participation Goal:	<b>%</b>		

### APPRENTICESHIP PROGRAM REQUIREMENTS

Bidders are advised that the Apprenticeship Program Requirements set forth below apply to each contract for which a check mark is indicated before the word "Yes". Compliance with these requirements will be determined solely by the City.

- 1		
. 1	YES	NC
Υ	1120	110

### (1) Apprenticeship Program Requirements

Notice to Bidders: Please be advised that, pursuant to the authority granted to the City under Labor Law Section 816-b, the Department of Design and Construction hereby requires that the contractor awarded a contract as a result of this Invitation for Bids, and any of its subcontractors with subcontracts worth one million dollars or over, have, prior to entering into such contract or subcontract, apprenticeship agreements appropriate for the type and scope of work to be performed that have been registered with, and approved by, the New York State Commissioner of Labor. In addition, the contractor and its subcontractors will be required to show that such apprenticeship programs have three years of current, successful experience in providing career opportunities.

The failure to prove, upon request, that these requirements have been met shall result in the contract not being awarded to the contractor or the subcontract not being approved.

Please be further advised that, pursuant to Labor Law Section 220, the allowable ratio of apprentices to journeypersons in any craft classification shall not be greater than the ratio permitted to the contractor as to its workforce on any job under the registered apprenticeship program.

### (2) Apprenticeship Program Questionnaire

The bidder must submit a completed and signed Apprenticeship Program Questionnaire. The Questionnaire is set forth on the following page of the Bid Booklet.

### APPRENTICESHIP PROGRAM QUESTIONNAIRE

PROJECT ID: <u>HWXP136A</u> The bidder must submit a completed and signed Apprenticeship Program Questionnaire. Name of Bidder: Does the bidder have an Apprenticeship Program appropriate for the type and scope of work to be performed? 1. [Note: Participation may be by either direct sponsorship or through collective bargaining agreement(s).] \_\_\_\_\_NO \_\_\_\_\_ YES Has the bidder's Apprenticeship Program been registered with, and approved by, the New York State 2. Commissioner of Labor? YES 3. Has the bidder's Apprenticeship Program had three years of successful experience in providing career opportunities? \_ YES If the answer to Question #3 is "Yes", the bidder shall, in the space below, provide information regarding the experience the Apprenticeship Program has had in providing career opportunities. The bidder may attach additional pages if necessary. Bidder: By: Title: (Signature of Partner or Corporate Officer) Date:

Project ID.	
Project ID.	

### SAFETY QUESTIONNAIRE

The bidder must include, with its bid, all information requested on this Safety Questionnaire. Failure to provide a completed and signed Safety Questionnaire at the time of bid opening may result in disqualification of the bid as non-responsive.

1. Bidder Information:			
Company Name:			
DDC Project Number:			_
Company Size:	Ten (1	10) employees or less	
en e	Greate	er than ten (10) employees	
Company has pre	viously worke	ed for DDC	
2. Type(s) of Construction	Work		
TYPE OF WORK General Building Constructi Residential Building Construction Nonresidential Building Construction, except Heavy Construction, except Highway and Street Construction, except Plumbing, Heating, HVAC Painting and Paper Hanging Electrical Work Masonry, Stonework and Pla Carpentry and Floor Work Roofing, Siding, and Sheet M Concrete Work Specialty Trade Contracting Asbestos Abatement Other (specify)	action astruction building ction highways	LAST 3 YEARS	THIS PROJECT
Compensation Insurance (No worker's compensation insurance	n Rate (EMR) CCI). This rat rance. The co	is a rating generated by the Nati ing is used to determine the cont ntractor may obtain its EMR by on not obtain its EMR, it must submi	ractor's premium for contacting its insurance

The Contractor contractors wit	must indicate its h less than three	Intrastate and Interstate years of experience, the I	EMR for the pas EMR will be con	t three years. [Note: F sidered to be 1.00].	or
YEAR		INTRASTATE RATE		<u>INTER</u> STATE RATE	
· · · · · · · · · · · · · · · · · · ·	<b></b> -		-		- <b>-</b>
	-		-		-
contractor mu what correctiv	st attach, to this e action was tak	tate EMR for any of the questionnaire, a writte ten to correct the situation	n explanation fo	or the rating and ident	
4. OSHA Info					
		eceived a willful violatio Buildings (NYCDOB) wi			
		nad an incident requiring italization of three or mor		on within 8 hours (i.e.,	
employees, on a	a yearly basis to conesses". This form	ealth Act (OSHA) of 1970 complete and maintain on m is commonly referred t	file the form en	titled "Log of Work-rel	ated og
The OSHA 300 employees.	Log must be sub	omitted for the last three	years for contract	tors with more than ten	
	must indicate the for the past three	e total number of hours was years.	orked by its emp	ployees, as reflected in	
three years. The given year, the on the OSHA 3	e Incident Rate is total number of in	ncident Rate for Lost Tires calculated in accordance acidents is the total number,000 hours represents the ar.	e with the formuleer of non-fatal in	la set forth below. For njuries and illnesses rep	each orted
Incident Rate =		Total Number of	umber of Incident Hours Worked t		-

Project ID.

			Project ID.		
YEAR		TOTAL NUMBERS OF HOURS WORKED BY EMPLOYEES	Y	INCIDENT RATE	
			_		
			-		
ncident Rat	e for the	cident Rate for any of the past three years is on type of construction it performs (listed below), a written explanation for the relatively high ra	the co		
General Build	ling Cons	struction	8.5		
Residential B	-		7.0		
		g Construction	10.2		
		scept building	8.7		
lighway and			9.7		
		kcept highways	8.3		
lumbing, He ainting and l			11.3 6.9		
lectrical Wo	•	ngmg	9.5		
		nd Plastering	10.5		
arpentry and			12.2		
oofing, Sidi			10.3		
oncrete Wo			8.6		
pecialty Tra	de Contra	acting	8.6		
. Safety Per	Contra	ce on Previous DDC Project(s)  actor previously audited by the DDC Office of Site	_	<b>/.</b> .	
	DDC F	Project Number(s):	_		
	Accide	ent on previous DDC Project(s).			
	[Exam	y or Life-altering Injury on DDC Project(s) within ples of a life-altering injury include loss of limb, lg), or loss of neurological function].			
Date:	-	By:		<u> </u>	
		By:(Signature of Owner, Partner, C	orporat	e Officer)	
		Title:			
		THE.			

(NO TEXT ON THIS PAGE)

### **Pre-Award Process**

The bidder is advised that as part of the pre-award review of its bid, it may be required to submit the information described in Sections (A) through (D) below. If required, such information must be submitted by the bidder within five (5) business days following receipt of notification from DDC that it is among the low bidders. Such notification from DDC will be by facsimile or in writing and will specify the types of information must be submitted. The types of information the bidder may be required to submit are described below. In the event the bidder fails to submit the required information within the specified time frame, its bid may be rejected as nonresponsive.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

- (A) **Project Reference Form**: If required, the bidder must complete and submit the Project Reference Form set forth on pages 26 through 28 of this Bid Booklet. The Project Reference Form consists of 3 parts: (1) Similar Contracts Completed by the Bidder, (2) Contracts Currently Under Construction by the Bidder, and (3) Pending Contracts Not Yet Started by the Bidder.
- (B) Copy of License: If required, the bidder must submit a copy of the license under which the bidder will be performing the work. Such license must clearly show the following: (1) Name of the Licensee, (2) License Number, and (3) Expiration date of the License. A copy of the license will be required from bidders for the following contracts: Plumbing Work, Electrical Work and Asbestos Abatement.
- (C) **Financial Information**: If required, the bidder must submit the financial information described below:
  - (1) Audited Financial Statements: Financial statements (Balance Sheet and Income Statement) of the entity submitting the bid, as audited by an independent auditor licensed to practice as a certified public accountant (CPA). Audited financial statements for the three most recent fiscal years must be submitted. Each such financial statement must include the auditor's standard report.

If the bidder does not have audited financial statements, it must submit an affidavit attesting to the fact that the bidder does not have such statements. In addition, the bidder must submit the following documentation covering the three most recent fiscal years: signed federal tax returns, unaudited financial statements, and a "certified review letter" from a certified public accountant (CPA) verifying the unaudited financial statements.

Unless the most recent audited or unaudited financial statement was issued within ninety (90) days, the bidder must submit interim financial information that includes data on financial position and results of operation (income data) for the current fiscal year. Such information may be summarized on a monthly or quarterly basis or at other intervals.

(2) Schedule of Aged Accounts Receivable, including portion due within ninety (90) days.

- (D) **Project Specific Information**: If required, the bidder must submit the project specific information described below:
  - (1) Statement indicating the number of years of experience the bidder has had and in what type of construction.
  - (2) Resumes of all key personnel to be involved in the project, including the proposed project superintendent.
  - (3) List of significant pieces of equipment expected to be used for the contract, and whether such equipment is owned or leased.
  - (4) Description of work expected to be subcontracted, and to what firms, if known.
  - (5) List of key material suppliers.
  - (6) Preliminary bar chart time schedule
  - (7) Contractor's expected means of financing the project. This should be based on the assumption that the contractor is required to finance 2X average monthly billings throughout the contract period.
  - (8) Any other issues the contractor sees as impacting his ability to complete the project according to the contract.

In addition to the information described in Sections (A) through (D) above, the bidder shall submit such additional information as the Commissioner may require, including without limitation, an explanation or justification for specific unit price items.

The bidder is further advised that it may be required to attend a pre-award meeting with DDC representatives. If such a meeting is convened, the bidder will be advised as to any additional material to be provided.

## PROJECT REFERENCES – SIMILAR CONTRACTS COMPLETED BY THE BIDDER Ą

List all contracts substantially completed within the last 4 years similar to the contract being awarded, up to a maximum of 10, in descending order of date of substantial completion.

Architect/Engineer Reference & Tel. No. if different from owner				
Owner Reference & Tel. No.	,			
Date Completed				
Contract Amount (\$000)				
Contract Type				
Project & Location				

CITY OF NEW YORK
DEPARTMENT OF DESIGN AND CONSTRUCTION

BID BOOKLET SEPTEMBER 2008

# PROJECT REFERENCES – CONTRACTS CURRENTLY UNDER CONSTRUCTION BY THE BIDDER æ

List all contracts currently under construction even if they are not similar to the contract being awarded.

	···	 	 
Architect/En gineer Reference & Tel. No. if different from owner			
Owner Reference & Tel. No.			
Date Scheduled to Complete			
Uncompleted Portion (\$000)			
Subcontracted to Others (\$000)			
Contract Amount (\$000)			
Contract			
Project & Location			

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BID BOOKLET SEPTEMBER 2008

27

## PROJECT REFERENCES – PENDING CONTRACTS NOT YET STARTED BY THE BIDDER ن

List all contracts awarded to or won by the bidder but not yet started.

		Γ	I	 ·
Architect/Engineer Reference & Tel. No. if different from owner				
Owner Reference & Tel. No.				
Date Scheduled to Start				
Contract Amount (\$000)			·	
Contract				
Project & Location				

CITY OF NEW YORK
DEPARTMENT OF DESIGN AND CONSTRUCTION

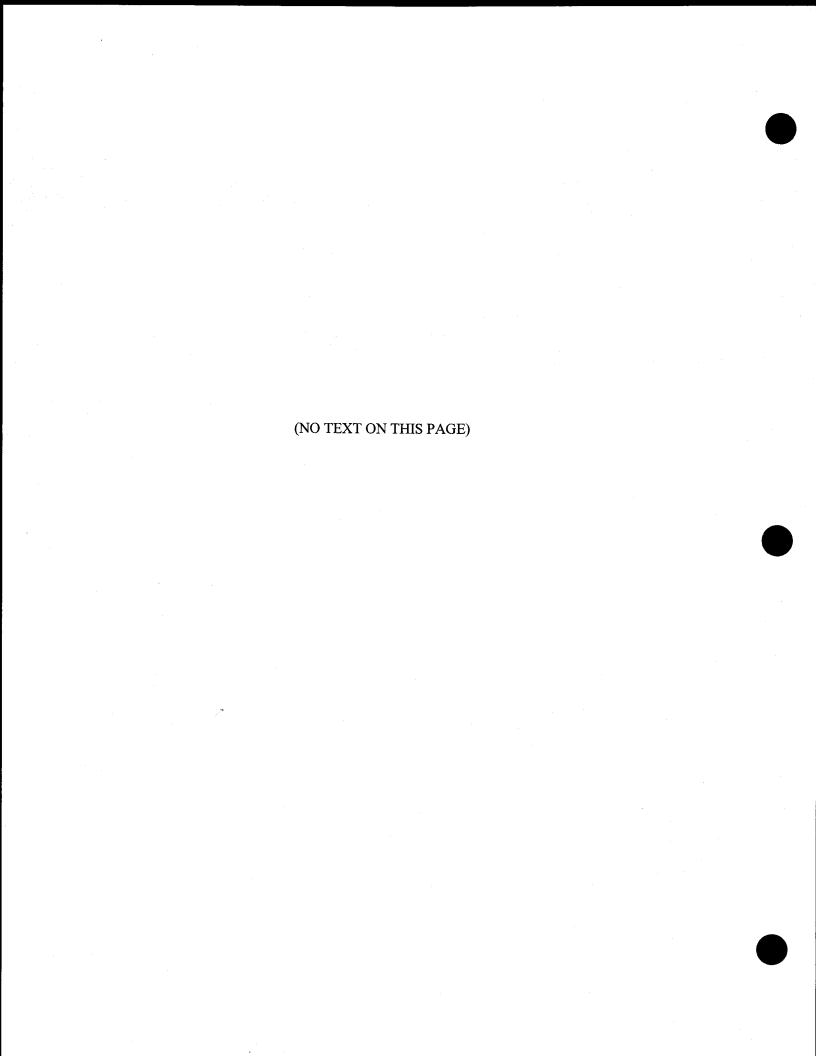
BID BOOKLET SEPTEMBER 2008 (NO TEXT ON THIS PAGE)

### OFFICE OF THE MAYOR BUREAU OF LABOR SERVICES CONTRACT CERTIFICATE

To be completed if the contract is less than \$1,000,000

Contractor:				·	-
Address:					-
	37.4				
Telephone Number:					-
Name and Title of Signatory:					-
					·
Contracting Agency or Owner:					
Project Number:					_
Proposed Contract Amount:					
Description and Address of Proposed Contract:_					_
Names of Subcontractors in the amount of 750,0 state indicating that trades will be subcontracted					ne, so
I, (fill in name of person signing) hereby affirm that I am authorized by the above-	-named contractor t	o certify th	at said contr	actor's	,
proposed contract with the above-named owner is made in accordance with Executive Order No.	or city agency is le	ss than \$1,0	000,000. Th	is affirma	
Date	Si	ignature			<del></del>

WILLFUL OR FRAUDULENT FALSIFICATION OF ANY DATA OR INFORMATION SUBMITTED HEREWITH MAY RESULT IN THE TERMINATION OF ANY CONTRACT BETWEEN THE CITY AND THE BIDDER OR CONTRACTOR AND BAR THE BIDDER OR CONTRACTOR FROM PARTICIPATION IN ANY CITY CONTRACT FOR A PERIOD OF UP TO THREE YEARS. FURTHER, SUCH FALSIFICATION MAY RESULT IN CRIMINAL PROSECUTION.



## Certificate of No Change Form



- Please submit two completed forms. Copies will not be accepted.
- Please send both copies to the agency that requested it, unless you are advised to send it directly to the Mayor's Office of Contract Services (MOCS).
- A materially false statement willfully or fraudulerally made in connection with this certification, and/or the failure to conduct appropriate due di ligence in verifying the information that is the subject of this certification, may result in rendering the submitting entity non-responsible for the purpose of contract award.
- A materially false statement willfully or fraudulerally made in connection with this certification may subject the person making the false statement to criminal charges

s and the person making the	e false statem ent to criminal charges
Lisa DeBonis	
Enter Your Name	, being duly sworn, state that I have rea
TOTAL TURBET PORTING THAT IS IN	d in the vendor questionnaire and any submission of change and certify that as of this date, these items have not pest of my knowledge, information and belief, those answers that, to the best of my knowledge, information, and belief, applete, and accurate.
in addition, I further certify on behalf of	of the submitting vendor that the information contained in the omission of change identified on page two of this form have not continue, to the best of my knowledge, to be full, complete
understand that the City of New York additional inducement to enter into a ci	will rely on the information supplied in this certification as ontract with the submitting entity.
Vandana	
Vendor Questionnaire This &	ection is recorded
and questioninaire	(S) Submitted for the vendor dains but
TERM TERM	e Construction Coco
Vendor's Address: 6 EIKS Cou	urt, Huntination, NY 11742
Vendor's EIN or TIN: 11-317244	
Are you submitting this Certification as	a parent? (Please circle one) (Yes) No
Signature date on the last full vendor qu	uestionnaire signed for the submitting vendor 1/25/13
Signature date on change submission for the commission of the comm	or the submitting vendor: VA
K等的多數數字符 2.x	
<b>86</b>	an well an arrangement

## Principal Questionnaire

This section refers to the most recent principal questio maire submissions.



Principal Name	on last full Principal	Date(s) of signature on
1 Lisa DeBonis	Questionnaire	submission of change
2 Chris DeBonis	1/25/13	Nu
3		
1		
5		
Check if additional changes were submi	tted and attach a rdocument with the	e date of additional submissions.
		· ·
Lisa DeBonis Name (Print) President Title		
De Boe Construct	ion Corp.	
Alsa DeBonio Signature		
iotarized By:		Aller Mills Age
Notary Public	NOSSCLU County License Issued	MOIM 61 D092
Sworn to before me on: 12/9// Date	13	CELESTE MICHELI NOTARY PUBLIC-STATE OF NEW YOR

Mayor's Office of Contract Services 253 Broadway, 9th Pipor New York, NY 10007 Phone: 212 788 0018 Fax: 212 788 0049 NOTARY PUBLIC-STATE OF NEW YORK
No. 01Mi6100927
Qualified in Nassau County
My Commission Expires November 03, 2015



### IRAN DIVESTMENT ACT COMPLIANCE RIDER

### FOR NEW YORK CITY CONTRACTORS

The Iran Divestment Act of 2012, effective as of April 12, 2012, is codified at State Finance Law ("SFL") §165-a and General Municipal Law ("GML") §103-g. The Iran Divestment Act, with certain exceptions, prohibits municipalities, including the City, from entering into contracts with persons engaged in investment activities in the energy sector of Iran. Pursuant to the terms set forth in SFL §165-a and GML §103-g, a person engages in investment activities in the energy sector of Iran if:

- (a) The person provides goods or services of twenty million dollars or more in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran; or
- (b) The person is a financial institution that extends twenty million dollars or more in credit to another person, for forty-five days or more, if that person will use the credit to provide goods or services in the energy sector in Iran and is identified on a list created pursuant to paragraph (b) of subdivision three of Section 165-a of the State Finance Law and maintained by the Commissioner of the Office of General Services.

A bid or proposal shall not be considered for award nor shall any award be made where the bidder or proposer fails to submit a signed and verified bidder's certification.

Each bidder or proposer must certify that it is not on the list of entities engaged in investment activities in Iran created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the State Finance Law. In any case where the bidder or proposer cannot certify that they are not on such list, the bidder or proposer shall so state and shall furnish with the bid or proposal a signed statement which sets forth in detail the reasons why such statement cannot be made. The City of New York may award a bid to a bidder who cannot make the certification on a case by case basis if:

- (1) The investment activities in Iran were made before the effective date of this section (i.e., April 12, 2012), the investment activities in Iran have not been expanded or renewed after the effective date of this section and the person has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran: or
- (2) The City makes a determination that the goods or services are necessary for the City to perform its functions and that, absent such an exemption, the City would be unable to obtain the goods or services for which the contract is offered. Such determination shall be made in writing and shall be a public document.

### BIDDER'S CERTIFICATION OF COMPLIANCE WITH IRAN DIVESTMENT ACT

Pursuant to General Municipal Law §103-g, which generally prohibits the City from entering into contracts with persons engaged in investment activities in the energy sector of Iran, the bidder/proposer submits the following certification:

[Please Check One]

	· ·	and the control of th	
BIDDE	R'S CERTIFICATION		
X	By submission of this bid or proposal, each bidder/proposer and each person signing of behalf of any bidder/proposer certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of it knowledge and belief, that each bidder/proposer is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the State Finance Law.		
	on the list created pursuant to paragr	and the name of the bidder/proposer does not appear aph (b) of subdivision 3 of Section 165-a of the State ned statement setting forth in detail why I cannot so	
Dated:	Aqust 26, New York, 20 13		
		Lisa De Bonis	
		SIGNATURE	
		Lisa DeBonis	
		PRINTED NAME	
		President	
Swom	to before me this day of August, 2013	TITLE	
(2) Notary	Public	CELESTE MICHELI NOTARY PUBLIC-STATE OF NEW YORK No. 01MI6100927 Qualified in Nassau County	
Dated:	8/26/13	My Commission Expires November 03, 2015	

# THE CITY OF NEW YORK DEPARTMENT OF SMALL BUSINESS SERVICES DIVISION OF LABOR SERVICES CONTRACT COMPLIANCE UNIT 110 WILLIAMS STREET NEW YORK, NEW YORK 10038

PHONE:

(212) 513-6323

FAX:

(212) 618-8879

# **CONSTRUCTION**

# **EMPLOYMENT**

**REPORT** 

(NO TEXT ON THIS PAGE)

The City of New York
Department of Small Business Services
Division of Labor Services
Contract Compliance Unit
110 William Street
New York, New York 10038
Phone: (212) 513 – 6323

# CONSTRUCTION EMPLOYMENT REPORT INSTRUCTIONS

Fax: (212) 618-8879

### WHO MUST FILE A CONSTRUCTION EMPLOYMENT REPORT

A Construction Employment Report (ER) must be filed if you meet the following conditions:

CONTRACT FUNDING SOURCE	CONTRACTOR	CONTRACT VALUE	SUBMISSION REQUIREMENT	
Federally assisted	Prime and subcontractors	\$10,000 or greater		
City and state funded	Prime contractor	\$1,000,000 or greater	Construction Employment Report	
	Outhernton	\$750,000 or greater		
	Subcontractor	Less than \$750,000	Less than \$750,000 Waiver	

### Prime Contractor:

- A general contractor or construction manager selected to perform work on a construction project funded (in whole
  or in part) by the federal government with a proposed contract value of \$10,000 or more.
- A general contractor or construction manager selected to perform work on a construction project funded or assisted by the City of New York with a proposed contract value of \$1,000,000 or more.

# Subcontractor:

- A subcontractor selected to perform work on a construction project funded (in whole or in part) by the federal government with a proposed contract value of \$10,000 or more.
- A subcontractor selected to perform work on a construction project funded or assisted by the City of New York with a proposed contract value of \$750,000 or more.
- A subcontractor selected to perform work on a construction project funded or assisted by the City of New York with a proposed contract value of less than \$750,000 must submit a "Less than \$750,000" waiver.

### WHERE TO FILE

Employment Reports must be filed with the City agency awarding the contract. If you are a contractor or subcontractor who will be working for a private developer in receipt of funding or assistance from the City, the ER must be filed with the City agency with jurisdiction over the developer's project.

## **DLS REVIEW PROCESS**

In accordance with Executive Order 50 (EO 50), upon receipt by DLS of a completed ER, DLS conducts a review of the contractor's current employment policies, practices and procedures, as well as perform a statistical analysis of the contractor's workforce, if necessary. The process is as follows:

1. Within five (5) business days, DLS will review the ER for completeness and accuracy. If any information is omitted

or incorrect, or if necessary documents are not submitted, the submission shall be deemed incomplete and DLS will inform the contractor. The substantive compliance review does not commence until the submission is complete. An incomplete submission will delay the review process and may preclude or interrupt the contract approval.

2. If the ER submission is complete, the compliance review will proceed, resulting in one of the following:

## Certificate of Approval

The contractor is found to be in compliance with all applicable laws and regulations. The approval is valid for 36 months.

### **Continued Approval Certificate**

The contractor has been issued a Certificate of Approval in the previous 36 months which is good for the applicable contract.

### **Conditional Certificate of Compliance**

The contractor is required to take corrective actions in order to be in compliance with EO 50. The contractor must meet the conditions within one month of the issue of the Conditional Certificate.

### **Determination of Nonperformance**

The contractor has failed to take the required corrective actions stipulated in the Conditional Certificate. A determination of nonperformance may prevent a contractor from receiving an award of a contract.

# HOW TO COMPLETE THE EMPLOYMENT REPORT

## Contents

**General Information** 

Part I: Contractor/Subcontractor Information
Part II: Employment Policies and Practices

Part III: Contract Bid Information and Projected and Current Workforce Forms

Signature Page

# PART I: CONTRACTOR/SUBCONTRACTOR INFORMATION

Questions 4 – 8: Please provide the required contact information for your company. All contracts must have a designated Equal Employment Officer.

designated Equal Employment Officer.

Question 9: If you are a subcontractor, you must state the name of the contractor for whom you are providing the construction services.

Question 10: Please provide the number of permanent employees in your company.

Question 11a-h: The Project Identification Number (PIN) and the Contract Registration ID Number (CT#) can be obtained from the City agency. Provide a description of the trade work you will perform on this project and the address where the work will be performed. Subcontractors can obtain this information from the contract they have with the prime contractor.

Questions 12 – 14: If your company has received a valid Certificate of Approval within the past 36 months, been audited by the United States Department of Labor, Office of Federal Contract Compliance Programs (OFCCP), or if your company has submitted an ER for a different contract for which you have not yet received a compliance certificate, then you only need to complete and submit the following:

- General Information section
- Part I Contractor/Subcontractor information
- Form B Projected Workforce
- Signature Page

If your company is currently waiting for an approval on another contract previously submitted, be certain to identify the date on which you submitted the completed Employment Report, the name of

the City contracting agency with which the contract was made, and the name and telephone number of the person to whom the Employment Report was submitted.

If your company was issued a Conditional Certificate of Approval, all required corrective actions must have been taken or DLS will not issue a Continued Certificate.

Question 15:

If the company was audited by the OFCCP, also provide the following:

- Identify the reviewing OFCCP office by its name and address
- If an unconditional certificate of compliance was issued by the OFCCP, attach a copy of the certificate in lieu of completing Parts II and III;
- Include copies of all corrective actions and documentation of OFCCP's performance; and
- Provide a copy of all stated OFCCP findings.

Question 16:

Please provide a copy of any Collective Bargaining Agreement(s) which is negotiated through an employer trade association on behalf of your organization or any of its affiliates.

## PART II: EMPLOYMENT POLICIES AND PRACTICES

Remember to label all documents with the question number for which they are submitted.

Questions 17a-j: You must respond to the questions as to whether or not your firm has documents reflecting written policies, benefits and procedures. If so, then you must identify by name each document in which the policy(ies), procedure(s) and benefit(s) is located and submit copies of all of the document(s). If your firm follows unwritten practices or procedures, include an explanation of how they operate. Please submit the most current document(s), including all applicable amendments. Label each document and/or unwritten practice according to the question to which it corresponds (e.g. 18a, 18b, etc.)

Questions 18a – h: Inquires about the manner/methods by which you comply with the requirements of the Immigration Reform and Control Act of 1986 (IRCA).

Question 19:

Inquires into where and how I-9 forms are maintained and stored.

Questions 20a - e: Inquires into whether or not there is a requirement that an applicant or employee be subjected to a medical examination at any given time. Copes of the medical information questionnaire and instructions must be submitted with the Employment Report.

Question 21:

Indicate the existence and location of all statements of your firm's Equal Employment Opportunity

policy and attach a copy of each statement.

Question 22:

Submit any current Affirmative Action Plan(s) created pursuant to Executive Order 11246.

Question 23:

If your firm or collective bargaining agreement has an internal grievance procedure, indicate this and submit a copy of the policy and procedure. If unwritten, explain its nature and operation. Explain how your firm's procedure addresses EEO complaints.

Question 24:

If your employees have used the procedure in the last three (3) years, please submit an explanation in the format indicated below:

Number of complaint(s)	Nature of the complaint(s)	Position(s) of the complainant(s)	4. Was an investigation conducted?	5. Current status of the disposition
		**	Y/N	

Question 25:

Indicate whether in the past three (3) years complaints have been filed with a court of law or administrative agency, naming your company as a defendant (or respondent) in a complaint alleging violation of any anti-discrimination or affirmative action laws. If yes, develop and submit a log to show, for each administrative/and or judicial action filed, the following information:

1. Name(s) of complainant(s)  2. Administrative agency or court in which action was filled  3. Nature of the complaint(s)  4. Current status  5. If not pending, the complaint's disposition
--

Question 26:

Identify each job for which a physical qualification exists. Identify and explain the physical qualification(s) for each stated job. Submit job descriptions for each job and the reasons for the qualifications.

Question 27:

Identify each job for which there exists any qualification related to age, race, color, national origin, sex, creed, disability, marital status, sexual orientation or citizenship status. Identify and explain the specific related qualification for each job stated. Submit job descriptions for each job and the reasons for the qualifications.

# PART III: CONTRACT BID INFORMATION AND PROJECTED AND CURRENT WORKFORCE FORMS

# FORM A: CONTRACT BID INFORMATION - USE OF SUBCONTRACTORS/TRADES

Your projections for the utilization of subcontractors on the proposed contract are to be provided in this section. A chart has been provided for the identification of subcontractors. Information is to be provided to the extent known at the time the ER is filed for review by DLS. If the subcontractor's name is unknown, then write "unknown". Under "ownership", enter the appropriate race/ethnic and gender code. If the contract is federally funded or assisted and the subcontractor is being utilized in accordance with applicable federal requirements with respect to Minority Business Enterprise or Woman Business Enterprise requirements, enter the appropriate code. This will also apply to state funded contracts with similar requirements for minority and female owned businesses.

# FORM B: PROJECTED WORKFORCE FOR WORK TO BE PERFORMED ON THIS PROJECT

For each trade to be engaged by your company for this project, enter the projected workforce for Males and Females by trade classification in the charts provided.

# FORM C: CURRENT WORKFORCE FOR WORK TO BE PERFORMED ON THIS PROJECT

For each tradecurrently engaged by your company for all work performed in NYC, enter the current workforce for Males and Females by trade classification in the charts provided.

## SIGNATURE PAGE

The signatory of this Employment Report and all other documents submitted to DLS must be an official authorized to enter into a binding legal agreement. The signature page must be completed in its entirety and notarized. Only original signatures will be accepted.

# The City of New York Department of Small Business Services Division of Labor Services Contract Compliance Unit 110 William Street, New York, New York 10038 Phone: (212) 513 – 6323

Fax: (212) 618-8879

# CONSTRUCTION EMPLOYMENT REPORT

# **GENERAL INFORMATION**

Your contractual relationship in this contract is:	rime contractor_x_ Subcontractor
Are M/WBE goals attached to this project? Yes	No
Please check one of the following if your firm would like City of New York as a: Minority Owned Business EnterpriseWomen Owned Business Enterprise	Locally based Business Enterprise Emerging Business Enterprise
If you are certified as an MBE, WBE, or LBE, what ci	ty/state agency are you certified with? ou DBE certified? Yes No
Please indicate if you would like assistance from SBS contracting opportunities: Yes No	in identifying certified M/WBEs for
this project subject to a project labor agreement? Yes _	No
I: CONTRACTOR/SUBCONTRACTOR INFORMATIO	ON .
Employer Identification Number or Federal Tax I.D./	Email Address
Company Name	
Company Address and Zip Code	
Chief Operating Officer	Telephone Number
and operating officer	relephone Number
Designated Equal Opportunity Compliance Officer (If same as Item #7, write "same")	Telephone Number
Name of Prime Contractor and Contact Person (If same as Item #5, write "same")	
•	
Number of employees in your company:	
	Are M/WBE goals attached to this project? Yes  Please check one of the following if your firm would like City of New York as a:Minority Owned Business EnterpriseWomen Owned Business Enterprise  If you are certified as an MBE, WBE, or LBE, what ciAre y  Please indicate if you would like assistance from SBS contracting opportunities: YesNo  this project subject to a project labor agreement? Yes  I: CONTRACTOR/SUBCONTRACTOR INFORMATION  Employer Identification Number or Federal Tax I.D./  Company Name  Company Address and Zip Code  Chief Operating Officer  Designated Equal Opportunity Compliance Officer

Page 1		
Revised 1/13		
FOR OFFICIAL USE ONLY	: File No.	

12.	Contract information:	
	(a)	(h)
	(a) Contracting Agency (City Agency)	(b) Contract Amount
	(d)	(a)
	(d)Procurement Identification Number (PIN)	(e) Contract Registration Number (CT#)
	(f) Projected Commencement Date	(g) Projected Completion Date
	Projected Commencement Date	Projected Completion Date
	(h) Description and location of proposed contract	
13.	Has your firm been reviewed by the Division of L and issued a Certificate of Approval? Yes N	abor Services (DLS) within the past 36 months
	If yes, attach a copy of certificate.	
14.	Has DLS within the past month reviewed an Emand issued a Conditional Certificate of Approval	ployment Report submission for your company Yes No
	If yes, attach a copy of certificate.	
	you, attack a copy of continuate.	
W	OTE: DLS WILL NOT ISSUE A CONTINUED CERTITH THIS CONTRACT UNLESS THE REQUIRED ONDITIONAL CERTIFICATES OF APPROVAL HA	CORRECTIVE ACTIONS IN PRIOR
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15.	OTE: DLS WILL NOT ISSUE A CONTINUED CERTITH THIS CONTRACT UNLESS THE REQUIRED EMPROVAL HAS an Employment Report already been submit Employment Report) for which you have not yet Yes No If yes,  Date submitted: Agency to which submitted: Name of Agency Person: Contract No: Telephone:  Has your company in the past 36 months been a Labor, Office of Federal Contract Compliance Pr	CORRECTIVE ACTIONS IN PRIOR  VE BEEN TAKEN.  Ited for a different contract (not covered by this received compliance certificate?
W	OTE: DLS WILL NOT ISSUE A CONTINUED CERTITH THIS CONTRACT UNLESS THE REQUIRED ENDITIONAL CERTIFICATES OF APPROVAL HAD Has an Employment Report already been submited Employment Report) for which you have not yet Yes No If yes,  Date submitted: Agency to which submitted: Name of Agency Person: Contract No: Telephone:  Has your company in the past 36 months been a Labor, Office of Federal Contract Compliance Profit If yes,  (a) Name and address of OFCCP office.	CORRECTIVE ACTIONS IN PRIOR  NEED TAKEN.  Ited for a different contract (not covered by this received compliance certificate?  Undited by the United States Department of ograms (OFCCP)? Yes No
15.	OTE: DLS WILL NOT ISSUE A CONTINUED CERTITH THIS CONTRACT UNLESS THE REQUIRED ENDITIONAL CERTIFICATES OF APPROVAL HAD Has an Employment Report already been submited Employment Report) for which you have not yet Yes No If yes,  Date submitted: Agency to which submitted: Name of Agency Person: Contract No: Telephone:  Has your company in the past 36 months been a Labor, Office of Federal Contract Compliance Profit If yes,  (a) Name and address of OFCCP office.	CORRECTIVE ACTIONS IN PRIOR  NETER TAKEN.  Itted for a different contract (not covered by this received compliance certificate?  udited by the United States Department of ograms (OFCCP)? Yes No

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	If yes, attach a copy of such certificate.					
	(c) Were any corrective actions required or agreed to? Yes No					
	If yes, attach a copy of such requirements or agreements.					
	(d) Were any deficiencies found? Yes No					
	If yes, attach a copy of such findings.					
17.	Is your company or its affiliates a member or members of an employers' trade association which is responsible for negotiating collective bargaining agreements (CBA) which affect construction site hiring? Yes No					
	If yes, attach a list of such associations and all applicable CBA's.					
PART	II: DOCUMENTS REQUIRED					
18.	For the following policies or practices, attach the relevant documents (e.g., printed booklets, brochures, manuals, memoranda, etc.). If the policy(ies) are unwritten, attach a full explanation of the practices. See instructions.					
	(a) Health benefit coverage/description(s) for all management, nonunion and union employees (whether company or union administered)					
•	(b) Disability, life, other insurance coverage/description					
	(c) Employee Policy/Handbook					
	(d) Personnel Policy/Manual					
	(e) Supervisor's Policy/Manual					
	(f) Pension plan or 401k coverage/description for all management, nonunion and union employees, whether company or union administered					
	(g) Collective bargaining agreement(s).					
	(h) Employment Application(s)					
	(i) Employee evaluation policy/form(s).					
	(j) Does your firm have medical and/or non-medical (i.e. education, military, personal, pregnancy, child care) leave policy?					
19.	To comply with the Immigration Reform and Control Act of 1986 when <u>and of whom</u> does your firm require the completion of an I-9 Form?					
	(a) Prior to job offer (b) After a conditional job offer (c) After a job offer (d) Within the first three days on the job (e) To some applicants (f) To all applicants (g) To some employees (h) To all employees  Yes No					

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20.	Explain where and how completed I-9 Forms, with their supportive documentation, are maintained and made accessible.			
21.	Does your firm or any of its collective bargaining agreements require job applicants to take a medical examination? Yes No			
	If yes, is the medical examination given:			
	(a) Prior to a job offer Yes No  (b) After a conditional job offer Yes No  (c) After a job offer Yes No  (d) To all applicants Yes No  (e) Only to some applicants Yes No			
	If yes, list for which applicants below and attach copies of all medical examination or questionnaire forms and instructions utilized for these examinations.			
22.	Do you have a written equal employment opportunity (EEO) policy? Yes No			
	If yes, list the document(s) and page number(s) where these written policies are located.			
23	Does the company have a current affirmative action plan(s) (AAP) Minorities and WomenIndividuals with handicapsOther. Please specify			
24.	Does your firm or collective bargaining agreement(s) have an internal grievance procedure with respect to EEO complaints? Yes No			
	If yes, please attach a copy of this policy.			
	If no, attach a report detailing your firm's unwritten procedure for handling EEO complaints.			
25.	Has any employee, within the past three years, filed a complaint pursuant to an internal grievance procedure or with any official of your firm with respect to equal employment opportunity? Yes No			
	If yes, attach an internal complaint log. See instructions.			
26.	Has your firm, within the past three years, been named as a defendant (or respondent) in any administrative or judicial action where the complainant (plaintiff) alleged violation of any anti-discrimination or affirmative action laws? Yes No			
	If yes, attach a log. See instructions.			

27.	Are there any jobs for which there are physical qualifications? Yes No
	If yes, list the job(s), submit a job description and state the reason(s) for the qualification(s).
28.	Are there any jobs for which there are age, race, color, national origin, sex, creed, disability, marital status, sexual orientation, or citizenship qualifications? Yes No
	If yes, list the job(s), submit a job description and state the reason(s) for the qualification(s).

# SIGNATURE PAGE

submitted with the understand requirements, as contained in amended, and the implementi	ewith is true and complete to the besting that compliance with New York (Chapter 56 of the City Charter, Execute Rules and Regulations, is a controport of the City Charter of the City Charter, Execute Rules and Regulations, is a controport of the City Charter of the	City's equal employment cutive Order No. 50 (1980), as ractual obligation.
Contractor's Name		
Name of person who prepared	this Employment Report	Title
Name of official authorized to	sign on behalf of the contractor	Title
Telephone Number		
Signature of authorized officia		Date
If contractors are found to be 56 Section 3H, the Division of data and to implement an emp	Labor Services reserves the right to	in any given trade based on Chapter request the contractor's workforce
Contractors who fail to comply noncompliance may be subject	with the above mentioned requirem of to the withholding of final payment.	ents or are found to be in
termination of the contract bet	ns of any data or information submitt ween the City and the bidder or cont five years. Further, such falsification	ractor and in disapproval of future
Charter Chapter 56 of the City	and consistent with the proper disched Charter and Executive Order No. 50 on provided by a contractor to DLS sl	0 (1980) and the implementing Rules
	Only original signatures accep	ted.
Sworn to before me this	day of 20	
Notary Public	Authorized Signature	Date

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FOR OFFICIAL USE ONLY: File No.\_\_\_\_\_

# The City of New York Department of Small Business Services Division of Labor Services Contract Compliance Unit 110 William Street, New York, New York 10038 Phone: (212) 513 – 6323

Fax: (212) 618-8879

# CONSTRUCTION EMPLOYMENT REPORT

# **GENERAL INFORMATION**

1.	Your contractual relationship in this contract is:	Prime contractor	Subcontractor_x_
1a.	Are M/WBE goals attached to this project? Yes	No	
2.	Please check one of the following if your firm work of New York as a:Minority Owned Business EnterpriseWomen Owned Business Enterprise	Locally based	ow to certify with the d Business Enterprise siness Enterprise
2a.	If you are certified as an MBE, WBE, or LBE, w	hat city/state agency are Are you DBE certified? \	you certified with? Yes No
3.	Please indicate if you would like assistance from contracting opportunities: Yes No	SBS in identifying certifi	ed M/WBEs for
4. Is	this project subject to a project labor agreement?	Yes No	
PART	I: CONTRACTOR/SUBCONTRACTOR INFORM	IATION	
5.	Employer Identification Number or Federal Tax I.	D./	Email Address
6.	Company Name		
7.	Company Address and Zip Code		
8.	The state of the s		
0.	Chief Operating Officer	Telephone No	umber
9	Designated Fauel Operation to Commit Operation		
	Designated Equal Opportunity Compliance Office (If same as Item #7, write "same")	er Telephone Nu	ımber
10.		<u> </u>	
	Name of Prime Contractor and Contact Person (If same as Item #5, write "same")		
11.	Number of employees in your company:		
	•		

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12.	Contract information:	
	(a) Contracting Agency (City Agency)	(b) Contract Amount
	(d)Procurement Identification Number (PIN)	(e) Contract Registration Number (CT#)
	Procurement Identification Number (PIN)	Contract Registration Number (CT#)
	(f) Projected Commencement Date	(g) Projected Completion Date
	(h) Description and location of proposed contract	
13.	Has your firm been reviewed by the Division of L and issued a Certificate of Approval? Yes N	abor Services (DLS) within the past 36 months
14.	Has DLS within the past month reviewed an Empand issued a Conditional Certificate of Approval?	oloyment Report submission for your company  Yes No
	If yes, attach a copy of certificate.	
	TE: DLS WILL NOT ISSUE A CONTINUED CEFTH THIS CONTRACT UNLESS THE REQUIRED	
	NDITIONAL CERTIFICATES OF APPROVAL HA	
		tted for a different contract (not covered by this
СО	Has an Employment Report already been submit Employment Report) for which you have not yet Yes No If yes,  Date submitted: Agency to which submitted: Name of Agency Person: Contract No: Talonbono:	tted for a different contract (not covered by this received compliance certificate?
СО	Has an Employment Report already been submit Employment Report) for which you have not yet Yes No If yes,  Date submitted: Agency to which submitted: Name of Agency Person:	tted for a different contract (not covered by this received compliance certificate?
15.	Has an Employment Report already been submit Employment Report) for which you have not yet Yes No If yes,  Date submitted: Agency to which submitted: Name of Agency Person: Contract No: Telephone:  Has your company in the past 36 months been as	tted for a different contract (not covered by this received compliance certificate?
15.	Has an Employment Report already been submit Employment Report) for which you have not yet Yes No If yes,  Date submitted: Agency to which submitted: Name of Agency Person: Contract No: Telephone:  Has your company in the past 36 months been a Labor, Office of Federal Contract Compliance Pr	tted for a different contract (not covered by this received compliance certificate?

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	If yes, attach a copy of such certificate.	
	(c) Were any corrective actions required or agreed to? Yes No	
	If yes, attach a copy of such requirements or agreements.	
	(d) Were any deficiencies found? Yes No	
	If yes, attach a copy of such findings.	
17.	ls your company or its affiliates a member or members of an employers' trade association is responsible for negotiating collective bargaining agreements (CBA) which affect construsite hiring? Yes No	which action
	If yes, attach a list of such associations and all applicable CBA's.	
PART	: DOCUMENTS REQUIRED	
18.	For the following policies or practices, attach the relevant documents (e.g., printed booklet prochures, manuals, memoranda, etc.). If the policy(ies) are unwritten, attach a full explared the practices. See instructions.	ts, nation
	(a) Health benefit coverage/description(s) for all management, nonunion and union employees (whether company or union administered)	
	(b) Disability, life, other insurance coverage/description	
	(c) Employee Policy/Handbook	
•	(d) Personnel Policy/Manual	
	(e) Supervisor's Policy/Manual	
	(f) Pension plan or 401k coverage/description for all management, nonunion and union employees, whether company or union administered	
	(g) Collective bargaining agreement(s).	
	(h) Employment Application(s)	
	(i) Employee evaluation policy/form(s).	
	(j) Does your firm have medical and/or non-medical (i.e. education, military, personal, pregnancy, child care) leave policy?	
19.	To comply with the Immigration Reform and Control Act of 1986 when <u>and of whom</u> does your require the completion of an I-9 Form?	your
	a) Prior to job offer  b) After a conditional job offer  c) After a job offer  d) Within the first three days on the job  e) To some applicants  f) To all applicants  g) To some employees  h) To all employees  Yes No	

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FOR OFFICIAL USE ONLY: File No.\_\_\_\_\_

Explain where and how completed I-9 Forms, with their supportive documentation, are maintained and made accessible.
Does your firm or any of its collective bargaining agreements require job applicants to take medical examination? Yes No
If yes, is the medical examination given:
(a) Prior to a job offer Yes No  (b) After a conditional job offer Yes No  (c) After a job offer Yes No  (d) To all applicants Yes No  (e) Only to some applicants Yes No
If yes, list for which applicants below and attach copies of all medical examination or questionnaire forms and instructions utilized for these examinations.
If yes, list the document(s) and page number(s) where these written policies are located.
Does the company have a current affirmative action plan(s) (AAP) Minorities and WomenIndividuals with handicaps
Does the company have a current affirmative action plan(s) (AAP) Minorities and Women
Does the company have a current affirmative action plan(s) (AAP) Minorities and Women Individuals with handicaps Other. Please specify  Does your firm or collective bargaining agreement(s) have an internal grievance procedure
Does the company have a current affirmative action plan(s) (AAP) Minorities and Women Individuals with handicaps Other. Please specify  Does your firm or collective bargaining agreement(s) have an internal grievance procedure respect to EEO complaints? Yes No
Does the company have a current affirmative action plan(s) (AAP) Minorities and Women Individuals with handicaps Other. Please specify  Does your firm or collective bargaining agreement(s) have an internal grievance procedure respect to EEO complaints? YesNo  If yes, please attach a copy of this policy.
Does the company have a current affirmative action plan(s) (AAP) Minorities and Women Individuals with handicapsOther. Please specify  Does your firm or collective bargaining agreement(s) have an internal grievance procedure respect to EEO complaints? YesNo  If yes, please attach a copy of this policy.  If no, attach a report detailing your firm's unwritten procedure for handling EEO complaints. Has any employee, within the past three years, filed a complaint pursuant to an internal grievance procedure or with any official of your firm with respect to equal employment.
Does the company have a current affirmative action plan(s) (AAP) Minorities and Women Individuals with handicapsOther. Please specify  Does your firm or collective bargaining agreement(s) have an internal grievance procedure respect to EEO complaints? YesNo  If yes, please attach a copy of this policy.  If no, attach a report detailing your firm's unwritten procedure for handling EEO complaints. Has any employee, within the past three years, filed a complaint pursuant to an internal grievance procedure or with any official of your firm with respect to equal employment opportunity? Yes No

27.	Are there any jobs for which there are physical qualifications? Yes No
	If yes, list the job(s), submit a job description and state the reason(s) for the qualification(s).
28.	Are there any jobs for which there are age, race, color, national origin, sex, creed, disability, marital status, sexual orientation, or citizenship qualifications? Yes No
	, , , , , , , , , , , , , , , , , , , ,

# SIGNATURE PAGE

I, (print name of authorized official the information submitted herewith submitted with the understanding requirements, as contained in Chamended, and the implementing	th is true and complete to the be that compliance with New York apter 56 of the City Charter, Exc	ecutive Order No. 50 (1980), as
I also agree on behalf of the com Division of Labor Services on a m	pany to submit a certified copy on nonthly basis.	of payroll records to the
Contractor's Name		
Name of person who prepared th	is Employment Report	Title
Name of official authorized to sign	n on behalf of the contractor	Title
Telephone Number	_	
Signature of authorized official		Date
If contractors are found to be und 56 Section 3H, the Division of Lal data and to implement an employ	oor Services reserves the right t	s in any given trade based on Chapter o request the contractor's workforce
Contractors who fail to comply winoncompliance may be subject to	th the above mentioned requirer the withholding of final paymen	ments or are found to be in t.
Willful or fraudulent falsifications of termination of the contract between contracts for a period of up to five criminal prosecution.	en the City and the bidder or cor	ntractor and in disapproval of future
To the extent permitted by law an Charter Chapter 56 of the City Ch and Regulations, all information p	arter and Executive Order No. 5	charge of DLS' responsibilities under 50 (1980) and the implementing Rules shall be confidential.
	Only original signatures acce	pted.
Sworn to before me this	day of 20	
Notary Public	Authorized Signature	Date

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FOR OFFICIAL USE ONLY: File No.\_\_\_\_\_

# The City of New York Department of Small Business Services Division of Labor Services Contract Compliance Unit 110 William Street, New York, New York 10038

Phone: (212) 513 - 6323 Fax: (212) 618-8879

L/CCC	rile Number
LESS THAN \$7	750,000 SUBCONTRACT CERTIFICATE
Are you currently certified as one of the followi	ing? Please check yes or no:
MBE YesNo WBE Yes _	No LBE Yes No DBE Yes No
	<del>_</del> <del>_</del> <del>_</del> _
If you are certified as an MBE, WBE, LBE or D	DBE, what city/state agency are you certified with?
Please check one of the following if your firm w	would like information on how to certify with the City of New York as
Minority Owned Business Enterprise	Locally based Business Enterprise
Women Owned Business Enterprise	Locally based business Enterprise
vvoinen Owned business Enterprise	
Company Name	Employer Identification Number or Federal Tax I.D
Company Address and Zip Code	
1	
Contact Person (First Name, Last Name)	Telephone Number
•	
Fax Number	E-mail Address
	E Man Man 300
Description and location of proposed subcontra	act:
	uot.
Procurement Identification Number (PIN)	O
	Contract Registration Number (CT#)
(City contracts only)	(City contracts only)
Disable and Let Novel	
Block and Lot Number	ICIP Application Number
(ICIP projects only)	(ICIP projects only)
l, (print name of authorized official signing)	hereby certify that I an
authorized by the above-named subcontractor	to certify that said subcontractor's proposed contract with the
above named owner or City agency is less that	in \$750,000. This affirmation is made in accordance with NYC
Charter Chapter 56, Executive Order No. 50 (1	1980) and the implementing Rules.
•	
Willful or fraudulent falsifications of any data or	r information submitted herewith may result in the termination of the
contract between the City and the bidder or co	intractor and in disapproval of future contracts for a period of up to
five years. Further, such falsification may resu	If in civil and/and or criminal prosecution
, , , , , , , , , , , , , , , , , , , ,	m m orm anarana or omminar procedutori.
Signature of authorized official	Date
organista or antiformed organism	Date
	riginal signatures accepted.
Sworn to before me this day of	
Notary Public Auth	horized Signature Date
Revised 1/13	or the control of t
FOR OFFICIAL USE ONLY: File No.	
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# CONTRACT BID INFORMATION: USE OF SUBCONTRACTORS/TRADES FORM A.

Do you plan to subcontractor work on this contract? Yes\_\_\_ No\_

If yes, complete the chart below. ۲i

NOTE: All proposed subcontractors with a subcontract in excess of \$750,000 must complete an Employment Report for review and approval before the contract may be awarded and work commences.

PROJECTED DOLLAR VALUE OF SUBCONTRACT					
TRADE PROJECTED FOR USE BY SUBCONTRACTOR					
WORK TO BE PERFORMED BY SUBCONTRACTOR					
OWNERSHIP (ENTER APPROPRIATE CODE LETTERS BELOW)					
SUBCONTRACTOR'S NAME*			-		
	OWNERSHIP (ENTER WORK TO BE TRADE PROJECTED FOR APPROPRIATE CODE PERFORMED BY USE BY LETTERS BELOW) SUBCONTRACTOR	OWNERSHIP (ENTER WORK TO BE TRADE PROJECTED FOR APPROPRIATE CODE PERFORMED BY USE BY SUBCONTRACTOR SUBCONTRACTOR	OWNERSHIP (ENTER WORK TO BE TRADE PROJECTED FOR APPROPRIATE CODE PERFORMED BY USE BY SUBCONTRACTOR SUBCONTRACTOR	OWNERSHIP (ENTER WORK TO BE TRADE PROJECTED FOR APPROPRIATE CODE PERFORMED BY USE BY SUBCONTRACTOR SUBCONTRACTOR	OWNERSHIP (ENTER WORK TO BE TRADE PROJECTED FOR APPROPRIATE CODE PERFORMED BY USE BY USE BY SUBCONTRACTOR SUBCONTRACTOR

\*If subcontractor is presently unknown, please enter the trade (craft name).

# **OWNERSHIP CODES**

W: White

B: BlackH: HispanicA: AsianN: Native AmericanF: Female

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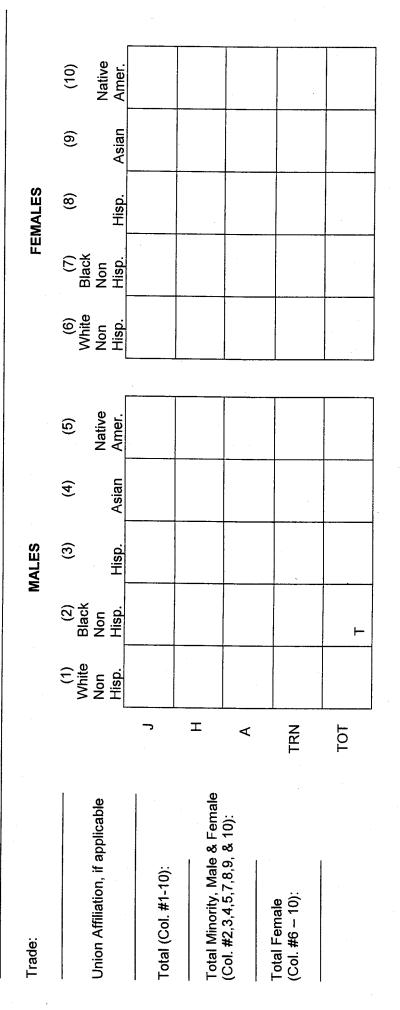
# FORM B: PROJECTED WORKFORCE

# TRADE CLASSIFICATION CODES

(J) Journeylevel Workers (H) Helper (TOT) Total by Column

(A) Apprentice (TRN) Trainee

For each trade to be engaged by your company for this project, enter the projected workforce for Males and Females by trade classification on the charts below.



What are the recruitment sources for you projected hires (i.e., unions, government employment office, job tap center, community outreach)?

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FOR OFFICE SE ONLY: File No.

FORM B: PROJECTED WORKFORCE

Union Affiliation, if applicable  Union Affiliation, if applicable  Union Affiliation, if applicable  Total (Col. #1-10):  A  Total Female (Col. #6 – 10):  TOT  Union Affiliation, if applicable  White Black Non Non Hisp. H	Trade:			<b>&gt;</b>	MALES				Ш	FEMALES		٠,
A TOT	Jnion Affiliation, if applicable		(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer	(6) White Non Hisp		Hisp	(9) Asian	(10) Native
ale A TRN TOT	otal (Col. #1-10):	7							<del></del>			
A TRN	otal Minority, Male & Female	工		·								
TRN TOT	Col. #2,3,4,5,7,8,9, & 10):	∢										
	otal Female Sol. #6 – 10):	TRN										
		TOT		F								

What are the recruitment sources for you projected hires (i.e., unions, government employment office, job tap center, community outreach)?

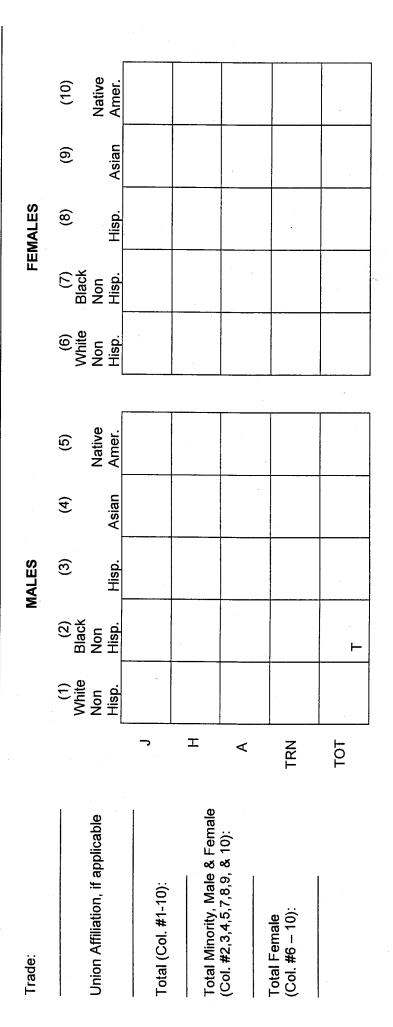
# FORM C: CURRENT WORKFORCE

# TRADE CLASSIFICATION CODES

(J) Journeylevel Workers (H) Helper (TÓT) Total by Column

(A) Apprentice (TRN) Trainee

For each trade currently engaged by your company for all work performed in New York City, enter the current workforce for Males and Females by trade classification on the charts below.



What are the recruitment sources for you projected hires (i.e., unions, government employment office, job tap center, community outreach)?

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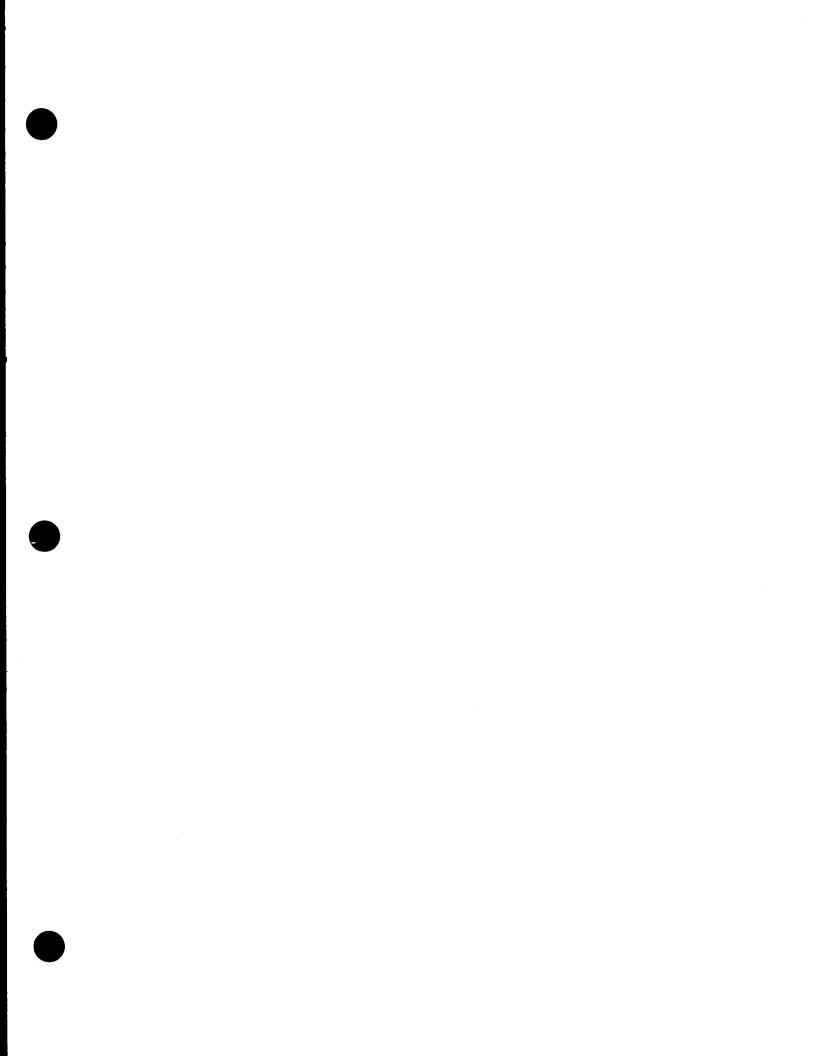
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FORM C: CURRENT WORKFORCE

Trade:			2	MALES					FEMALES		
Union Affiliation, if applicable		(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer.	(6) White E Non N Hisp.	(7) Black Non Hisp.	(8) Hisp.	(9) Asian	(10) Native Amer.
Total (Col. #1-10):	<b>.</b>										
Total Minority, Male & Female	I			e e un							
(Col. #2,3,4,5,7,8,9, & 10):	∢			·							
Total Female (Col. #6 – 10):	TRN N										
	TOT		F								

What are the recruitment sources for you projected hires (i.e., unions, government employment office, job tap center, community outreach)?

(NO TEXT ON THIS PAGE)





# INFRASTRUCTURE DIVISION BUREAU OF DESIGN

# **VOLUME 1 OF 3**

PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS
FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

BOROUGH OF THE BRONX CITY OF NEW YORK

	Contractor.
Dated	



# THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

30-30 THOMSON AVENUE LONG ISLAND CITY, NEW YORK 11101-3045 TELEPHONE (718) 391-1000 WEBSITE www.nyc.gov/buildnyc

# **VOLUME 2 OF 3**

# INFORMATION FOR BIDDERS **CONTRACT** PERFORMANCE AND PAYMENT BONDS PREVAILING WAGE SCHEDULE

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

PROJECT ID: HWXP136A

> RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

**Together With All Work Incidental Thereto** 

BOROUGH OF THE BRONX CITY OF NEW YORK

FOR THE DEPARTMENT OF TRANSPORTATION PREPARED BY WEIDLINGER ASSOCIATES, Consulting Engineers PC

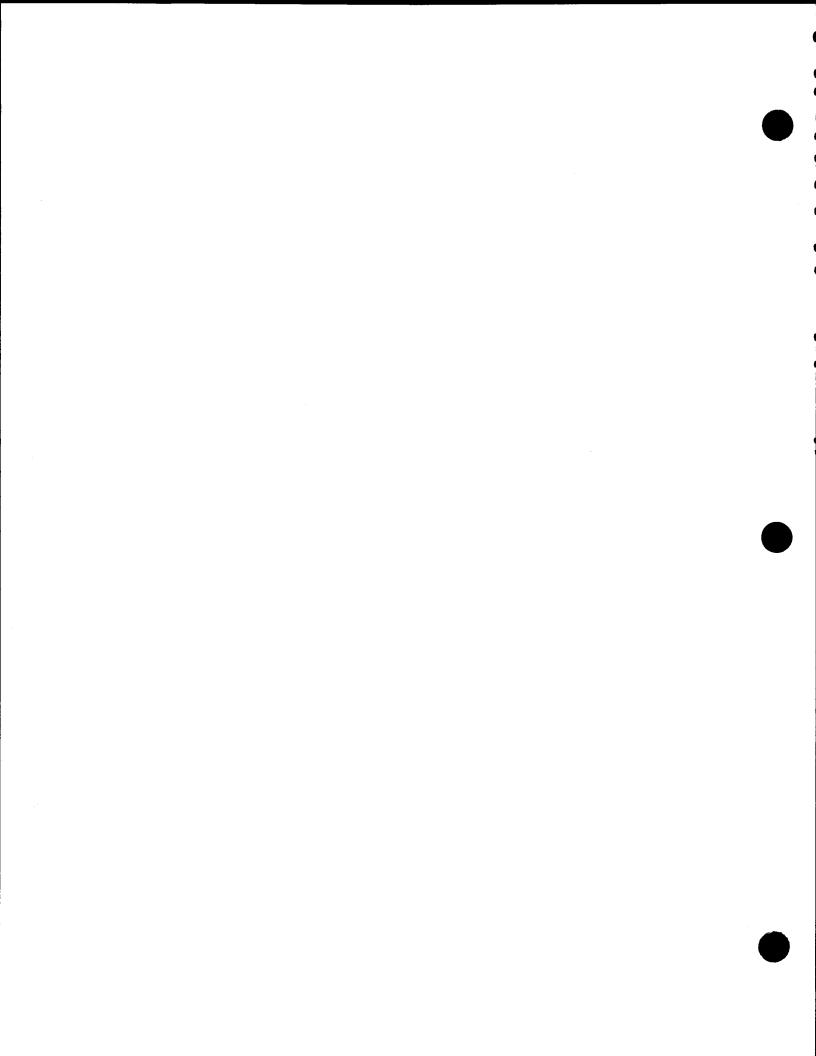
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# **JARY 2, 2013**

	JANUARY 2, 2
	NYSDOT PIN Fed. Aid Project I
11625	Bid Opening 11: Location 1st Flo

Fed. Aid Project No.	
Bid Opening 11:00 A.M. on	
Location 1st Floor Bid Room, 30-30 Thomson Ave., Long Island City, N.Y. 1	1101

13-028





# THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

30-30 THOMSON AVENUE LONG ISLAND CITY, NEW YORK 11101-3045 TELEPHONE (718) 391-1000 WEBSITE www.nyc.gov/buildnyc

# **VOLUME 2 OF 3**

# INFORMATION FOR BIDDERS CONTRACT PERFORMANCE AND PAYMENT BONDS PREVAILING WAGE SCHEDULE

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:



FOR THE DEPARTMENT OF TRANSPORTATION PREPARED BY IN-HOUSE DESIGN

# Notice to Bidders:

In 2013 the City will be implementing a new web based subcontractor reporting system. Once this subcontractor reporting system is implemented, and Contractor receives notice of its implementation, Contractor will be required to list in the system all of the subcontractors that it knows it will use or is already using in the performance of this contract. For each subcontractor listed, Contractor will be required to provide the following information: maximum contract value, description of subcontractor work, start and end date of the subcontract and identification of the subcontractor's industry. Identification of subcontractors in the system along with the required information will be required in order to obtain subcontractor approval under [section 3.02 of Appendix A][ Article 17 of the Standard Construction Contract] and PPB Rule § 4-13 for all subcontractors that have not been approved as of the implementation date. Thereafter, Contractor will be required to report in the system the payments made to each subcontractor within 30 days of making the payment. If any of the required information changes throughout the term of the contract, Contractor will be required to revise the information in the system...

When the subcontractor reporting system is implemented, Contractor will receive a written notice from the City which will contain the information the Contractor will need to list its subcontractors and report payments. Contractor will not be required to comply with the requirements set forth herein until such notice is issued. Contractor will have 30 days from the date of the notice to list its current subcontractors for which it has already received Agency approval, if any. Thereafter, for those subcontractors that have not yet been approved by the Agency, subcontractors will have to be listed in the system in order to obtain the required Agency approval.

Failure of the Contractor to list a subcontractor and/or to report subcontractor payments in a timely fashion may result in the Agency declaring the Contractor in default of the Contract and may subject Contractor to liquidated damages in the amount of \$100 per day for each day that the Contractor fails to identify a subcontractor along with the required information about the subcontractor and/or fails to report payments to a subcontractor, beyond the time frames set forth herein or in the notice from the City. For construction contracts, the provisions of Article 15 of the Standard Construction Contract shall govern the issue of liquidated damages.

Contractor hereby agrees to these provisions and acknowledges that they will become effective on the date set forth in the notice.

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# NOTICE TO BIDDERS, PROPOSERS, CONTRACTORS, AND RENEWAL CONTRACTORS

This contract includes a provision concerning the protection of employees for whistleblowing activity, pursuant to New York City Local Law Nos. 30-2012 and 33-2012, effective October 18, 2012 and September 18, 2012, respectively. The provisions apply to contracts with a value in excess of \$100,000.

Local Law No. 33-2012, the Whistleblower Protection Expansion Act ("WPEA"), prohibits a contractor or its subcontractor from taking an adverse personnel action against an employee or officer for whistleblower activity in connection with a City contract; requires that certain City contracts include a provision to that effect; and provides that a contractor or subcontractor may be subject to penalties and injunctive relief if a court finds that it retaliated in violation of the WPEA. The WPEA is codified at Section 12-113 of the New York City Administrative Code.

Local Law No. 30-2012 requires a contractor to prominently post information explaining how its employees can report allegations of fraud, false claims, criminality, or corruption in connection with a City contract to City officials and the rights and remedies afforded to employees for whistleblowing activity. Local Law No. 30-2012 is codified at Section 6-132 of the New York City Administrative Code.

# WHISTLEBLOWER PROTECTION EXPANSION ACT RIDER

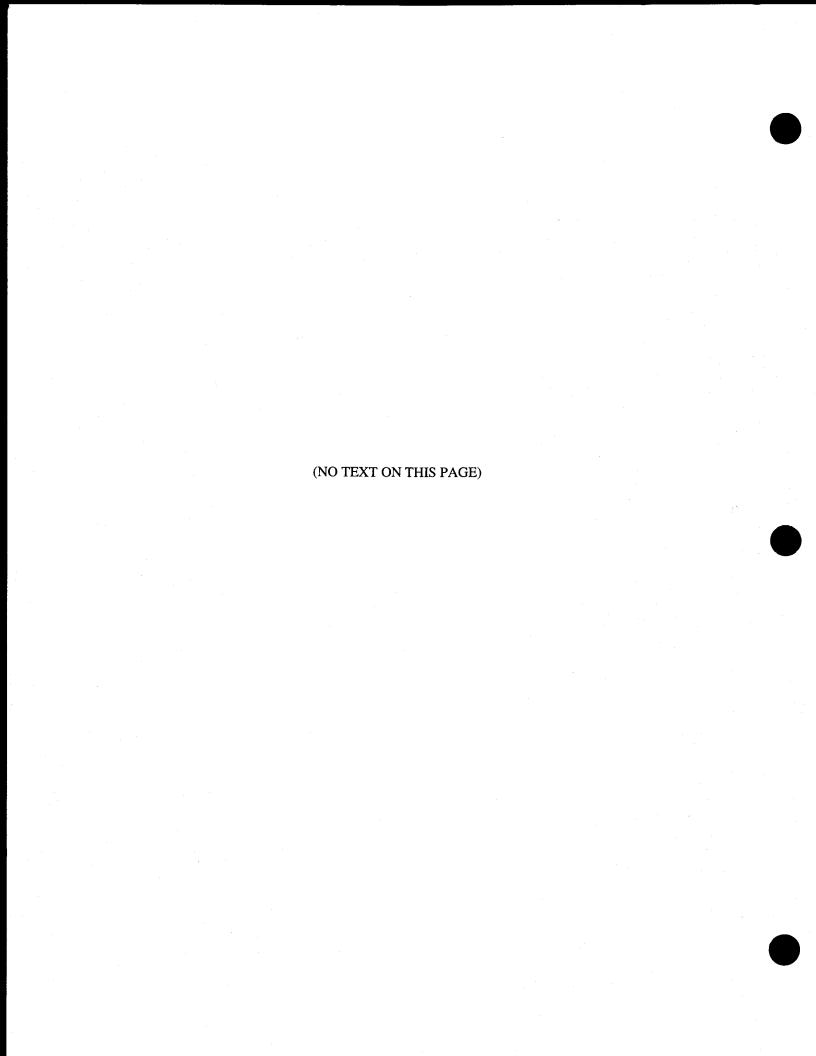
- 1. In accordance with Local Law Nos. 30-2012 and 33-2012, codified at sections 6-132 and 12-113 of the New York City Administrative Code, respectively,
  - (a) Contractor shall not take an adverse personnel action with respect to an officer or employee in retaliation for such officer or employee making a report of information concerning conduct which such officer or employee knows or reasonably believes to involve corruption, criminal activity, conflict of interest, gross mismanagement or abuse of authority by any officer or employee relating to this Contract to (i) the Commissioner of the Department of Investigation, (ii) a member of the New York City Council, the Public Advocate, or the Comptroller, or (iii) the City Chief Procurement Officer, ACCO, Agency head, or Commissioner.
  - (b) If any of Contractor's officers or employees believes that he or she has been the subject of an adverse personnel action in violation of subparagraph (a) of paragraph 1 of this rider, he or she shall be entitled to bring a cause of action against Contractor to recover all relief necessary to make him or her whole. Such relief may include but is not limited to: (i) an injunction to restrain continued retaliation, (ii) reinstatement to the position such employee would have had but for the retaliation or to an equivalent position, (iii) reinstatement of full fringe benefits and seniority rights, (iv) payment of two times back pay, plus interest, and (v) compensation for any special damages sustained as a result of the retaliation, including litigation costs and reasonable attorney's fees.
  - (c) Contractor shall post a notice provided by the City in a prominent and accessible place on any site where work pursuant to the Contract is performed that contains information about:
    - (i) how its employees can report to the New York City Department of Investigation allegations of fraud, false claims, criminality or corruption arising out of or in connection with the Contract; and
    - (ii) the rights and remedies afforded to its employees under New York City Administrative Code sections 7-805 (the New York City False Claims Act) and 12-113 (the Whistleblower Protection Expansion Act) for lawful acts taken in connection with the reporting of allegations of fraud, false claims, criminality or corruption in connection with the Contract.
  - (d) For the purposes of this rider, "adverse personnel action" includes dismissal, demotion, suspension, disciplinary action, negative performance evaluation, any action resulting in loss of staff, office space, equipment or other benefit, failure to appoint, failure to promote, or any transfer or assignment or failure to transfer or assign against the wishes of the affected officer or employee.
  - (e) This rider is applicable to all of Contractor's subcontractors having subcontracts with a value in excess of \$100,000; accordingly, Contractor shall include this rider in all subcontracts with a value a value in excess of \$100,000.
- 2. Paragraph 1 is not applicable to this Contract if it is valued at \$100,000 or less. Subparagraphs (a), (b), (d), and (e) of paragraph 1 are not applicable to this Contract if it was solicited pursuant to a finding of an emergency. Subparagraph (c) of paragraph 1 is neither applicable to this Contract if it was solicited prior to October 18, 2012 nor if it is a renewal of a contract executed prior to October 18, 2012.

# **NOTICE TO BIDDERS**

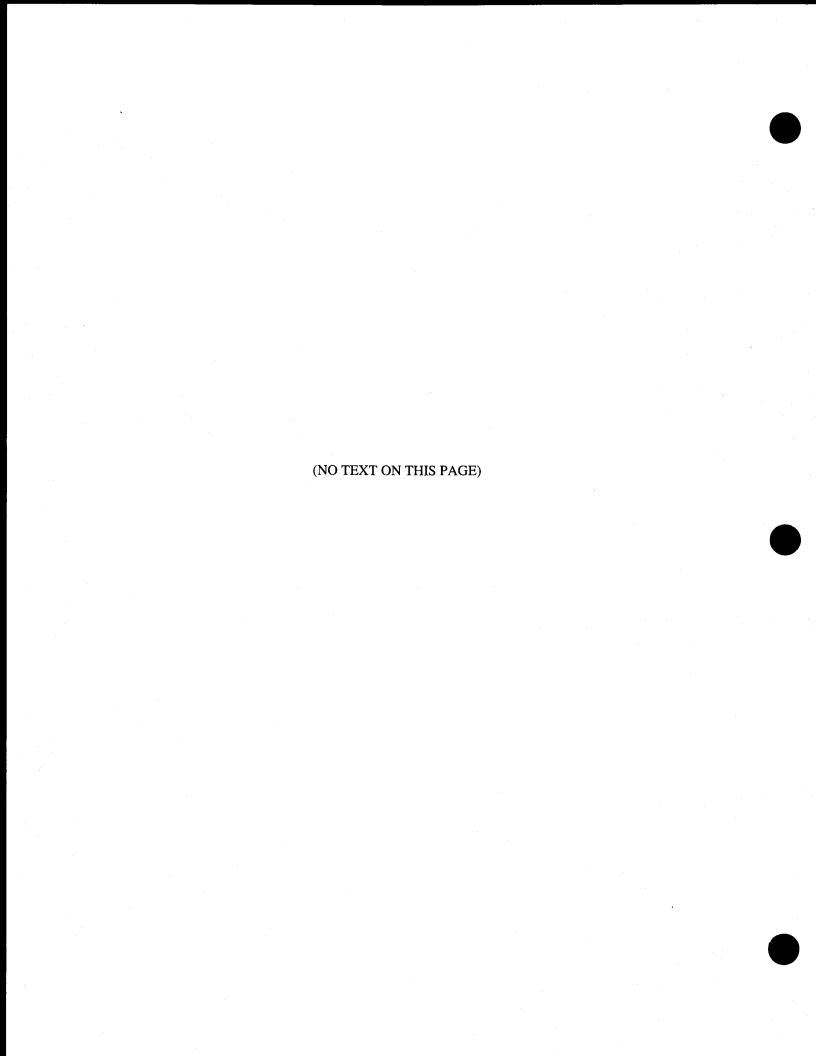
Please be advised that the City of New York has revised the form of the performance bond that is required for City construction contracts that do not exceed \$5 million. The form of bond required for contracts that are greater than \$5 million has not changed. The City now has two approved forms. One form is to be used for contracts that do not exceed \$5 million and one form is to be used for contracts above \$5 million. The City's payment bond remains unchanged.

The new bond form for contracts that do not exceed \$5 million has been approved by the U.S. Small Business Administration ("SBA") for participation in their Bond Guarantee Program. The SBA's Bond Guarantee Program enables eligible small businesses to obtain or increase bonding by having the SBA act as a partial guarantor of the contractor to the surety. If you are interested in participating in this program, we suggest that you contact your broker or the SBA.

In order to maximize participation by small businesses in the SBA Guarantee Program, the City also encourages prime contractors who are awarded contracts greater than \$5 million to allow their subcontractors to use the SBA-approved form, particularly on contracts that are subject to Local Law 129 (the M/WBE program), if the prime contractor requires subcontractors to obtain performance bonds.



# **CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURES INFORMATION FOR BIDDERS SEPTEMBER 2008**



# CITY OF NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION INFORMATION FOR BIDDERS

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#### INFORMATION FOR BIDDERS

## 1. <u>Description and Location of Work</u>

The description and location of the work for which bids are requested are specified in Attachment 1, "Bid Information". Attachment 1 is included as page A-l of the Bid Booklet.

#### 2. <u>Time and Place for Receipt of Bids</u>

Sealed bids shall be received on or before the date and hour specified in Attachment 1, at which time they will be publicly opened and read aloud in the presence of the Commissioner or his or her representative, and any bidders who may desire to be present.

#### 3. Definitions

The definitions set forth in the Procurement Policy Board Rules shall apply to this Invitation For Bids.

#### 4. <u>Invitation For Bids and Contract Documents</u>

- (A) Except for titles, sub-titles, headings, running headlines, tables of contents and indices (all of which are printed herein merely for convenience) the following, except for such portions thereof as may be specifically excluded, shall be deemed to be part of the Contract and the Invitation for Bids.
  - (1) All provisions required by law to be inserted in this Contract, whether actually inserted or not
  - (2) The Contract Drawings and Specifications
  - (3) The General Conditions, the General Requirements and the Special Conditions, if any
  - (4) The Contract
  - (5) The Information for Bidders; Request for Proposals; Notice of Solicitation and Proposal For Bids; Bid or Proposal, and, if used, the Bid Booklet
  - (6) The Budget Director's Certificate; all Addenda issued prior to the receipt of the bids; the Notice of Award; Performance and Payment Bonds, if required; and the Notice to Proceed with the Work.
- (B) For particulars as to this procurement, including quantity and quality of the purchase, extent of the work or labor to be performed, delivery and performance schedule, and any other special instructions, prospective bidders are referred to the Invitation For Bids Documents. A copy of such documents can be obtained at the location set forth in Attachment 1.
- (C) <u>Deposit for Copy of Invitation For Bids Documents</u>: Prospective bidders may obtain a copy of the Invitation For Bids Documents by complying with the conditions set forth in the Notice of Solicitation. The deposit must be in the form of a check or money order made payable to the City of New York, and drawn upon a state or national bank or trust company, or a check of such bank or trust company signed by a duly authorized officer thereof.
- (D) Return of Invitation For Bids Documents: All Invitation For Bids Documents must be returned to the Department upon request. If the bidder elects not to submit a bid thereunder, the

Invitation For Bids Documents shall be returned to the Department, along with a statement that no bid will be submitted.

- (E) Return of Deposit: Such deposit will be returned within 30 days after the award of the contract or the rejection of all bids as set forth in the advertisement, provided the Invitation For Bids Documents are returned to the location specified in Attachment 1, in physical condition satisfactory to the Commissioner.
- (F) <u>Additional Copies</u>: Additional copies of the Invitation For Bids Documents may be obtained, subject to the conditions set forth in the advertisement for bids.

#### 5. <u>Pre-Bid Conference</u>

A pre-bid conference shall be held as set forth in Attachment 1. Nothing stated at the pre-bid conference shall change the terms or conditions of the Invitation For Bids Documents, unless a change is made by written amendment as provided in Section 9 below. Failure to attend a mandatory pre-bid conference shall constitute grounds for the rejection of the bid.

#### 6. Agency Contact

Any questions or correspondence relating to this bid solicitation shall be addressed to the Agency Contact person specified in Attachment 1.

#### 7. <u>Bidder's Oath</u>

- (A) The bid-shall be properly signed by an authorized representative of the bidder and the bid shall be verified by the written oath of the authorized representative who signed the bid, that the several matters stated and information furnished therein are in all aspects true.
- (B) A materially false statement willfully or fraudulently made in connection with the bid or any of the forms completed and submitted with the bid may result in the termination of any Contract between the City and the Bidder. As a result, the Bidder may be barred from participating in future City contracts as well as be subject to possible criminal prosecution.

# 8. Examination and Viewing of Site, Consideration of Other Sources of Information and Changed Conditions

- (A) Pre-Bidding (Investigation) Viewing of Site -Bidders must carefully view and examine the site of the proposed work, as well as its adjacent area, and seek other usual sources of information, for they will be conclusively presumed to have full knowledge of any and all conditions on, about or above the site relating to or affecting in any way the performance of the work to be done under the Contract which were or should have been indicated to a reasonably prudent bidder. To arrange a date for visiting the work site, bidders are to contact the Agency Contact person specified in Attachment 1.
- (B) Should the contractor encounter during the progress of the work subsurface conditions at the site materially differing from any shown on the Contract Drawings or indicated in the Specifications or such subsurface conditions as could not reasonably have been anticipated by the contractor and were not anticipated by the City, which conditions will materially affect the cost of the work to be done under the

Contract, the attention of the Commissioner must be called immediately to such conditions before they are disturbed. The Commissioner shall thereupon promptly investigate the conditions. If he finds that they do so materially differ, or that they could not have been reasonably anticipated by the contractor and were not anticipated by the City, the Contract may be modified with his written approval.

## 9. Examination of Proposed Contract

- (A) Request for Interpretation or Correction: Prospective bidders must examine the Contract Documents carefully and before bidding must request the Commissioner in writing for an interpretation or correction of every patent ambiguity, inconsistency or error therein which should have been discovered by a reasonably prudent bidder. Such interpretation or correction, as well as any additional contract provisions the Commissioner may decide to include, will be issued in writing by the Commissioner as an addendum to the Contract, which will be transmitted to each person recorded as having received a copy of the Contract Documents from the Department. Transmission of such addendum will be by mail, e-mail, facsimile or hand delivery. Such addendum will also be posted at the place where the Contract Documents are available for the inspection of prospective bidders. Upon transmission as provided for herein, such addendum shall become a part of the Contract Documents, and binding on all bidders, whether or not actual notice of such addendum is shown.
- (B) Only Commissioner's Interpretation or Correction Binding: Only the written interpretation or correction so given by the Commissioner shall be binding, and prospective bidders are warned that no other officer, agent or employee of the City is authorized to give information concerning, or to explain or interpret, the Contract.
- (C) Documents given to a subcontractor for the purpose of soliciting the subcontractor's bid shall include either a copy of the bid cover sheet or a separate information sheet setting forth the project name, the Contract number (if available), the contracting agency and the Project's location.

#### 10. Form of Bid

Each bid must be submitted upon the prescribed form and must contain: a) the name, residence and place of business of the person or persons making the same; b) the names of all persons interested therein, and if no other person is so interested, such fact must be distinctly stated; c) a statement to the effect that it is made without any connection with any other person making a bid for the same purpose and that it is in all respects fair and without collusion or fraud; d) a statement that no Council member or other officer or employee or person whose salary is payable in whole or part from the City Treasury is directly or indirectly interested therein or in the supplies, materials or equipment and work or labor to which it relates, or in any portion of the profits thereof; e) a statement that the bidder is not in arrears to the City or to any agency upon a debt or contract or taxes, and is not a defaulter as surety or otherwise upon any obligation to the City to any agency thereof, except as set forth in the bid.

THE BID SHALL BE TYPEWRITTEN OR WRITTEN LEGIBLY IN INK. THE BID SHALL BE SIGNED IN INK. ERASURES OR ALTERATIONS SHALL BE INITIALED BY THE SIGNER IN INK. FAILURE TO CONFORM TO THE REQUIREMENTS OF THIS SECTION 10 SHALL RESULT IN THE REJECTION OF THE BID.

#### 11. Irrevocability of Bid

The prices set forth in the bid cannot be revoked and shall be effective until the award of the Contract, unless the bid is withdrawn as provided for in Sections 15 and 18 below.

# 12. Acknowledgment of Amendments

The receipt of any amendment to the Contract Documents shall be acknowledged by the bidder in its bid submission.

# 13. <u>Bid Samples and Descriptive Literature</u>

Bid samples and descriptive literature shall not be submitted by the bidder, unless expressly requested elsewhere in the Contract or Contract Documents. Any unsolicited bid samples or descriptive literature which are submitted shall not be examined or tested and shall not be deemed to vary any of the provisions of this Contract.

#### 14. <u>Proprietary Information/Trade Secrets</u>

- (A) The bidder shall identify those portions of the bid which it deems to be confidential, proprietary information or trade secrets, and provide justification why such materials shall not be disclosed by the City. All such materials shall be clearly indicated by stamping the pages on which such information appears, at the top and bottom thereof with the word "Confidential". Such materials stamped "Confidential" must be easily separable from the non-confidential sections of the bid.
- (B) All such materials so indicated shall be reviewed by the Agency and any decision not to honor a request for confidentiality shall be communicated in writing to the bidder. For those bids which are unsuccessful, all such confidential materials shall be returned to the bidder. Prices, makes and model or catalog numbers of the items offered, deliveries, and terms of payment shall be publicly available after bid opening, regardless of any designation of confidentiality made by the bidder.

#### 15. Pre-Opening Modification or Withdrawal of Bids

Bids may be modified or withdrawn by written notice received in the office designated in Attachment 1, before the time and date set for the bid opening. If a bid is withdrawn in accordance with this Section, the bid security, if any, shall be returned to the bidder.

#### 16. <u>Bid Evaluation and Award</u>

In accordance with the New York City Charter, the Procurement Policy Board Rules and the terms and conditions of this Invitation For Bids, this Contract shall be awarded, if at all, to the responsible bidder whose bid meets the requirements and evaluation criteria set forth in the Invitation For Bids, and whose bid price is either the most favorable bid price or, if the Invitation For Bids so states, the most favorable evaluated bid price. A bid may not be evaluated for any requirement or criterion that is not disclosed in the Invitation For Bids.

<u>Restriction</u>: No negotiations with any bidder shall be allowed to take place except under the circumstances and in the manner set forth in Section 21. Nothing in this Section shall be deemed to permit a contract award to a bidder submitting a higher quality item than that designated in the Invitation For Bids, if that bid is not also the most favorable bid.

# 17. Late Bids, Late Withdrawals and Late Modifications

Any bid received at the place designated in the solicitation after the time and date set for receipt of bids is late and shall not be considered. Any request for withdrawal or modification received at the place designated in the solicitation after the time and date set for receipt of bids is late and shall not be considered. The exception to this provision is that a late modification of a successful bid that makes the bid terms more favorable to the City shall be considered at any time it is received.

#### 18. Withdrawal of Bids.

Except as provided for in Section 15, above, a bidder may not withdraw its bid before the expiration of forty-five (45) days after the date of the opening of bids; thereafter, a bidder may withdraw its bid only in writing and in advance of an actual award. If within sixty (60) days after the execution of the Contract, the Commissioner fails to fix the date for commencement of work by written notice to the bidder, the bidder, at his option, may ask to be relieved of his obligation to perform the work called for by written notice to the Commissioner. If such notice is given to the Commissioner, and the request to withdraw is granted, the bidder waives all claims in connection with this Contract.

#### 19. Mistake in Bids

(A) <u>Mistake Discovered Before Bid Opening</u>: A bidder may correct mistakes discovered before the time and date set for bid opening by withdrawing or correcting the bid as provided in Section 15 above.

#### (B) Mistakes Discovered Before Award

- (1) In accordance with General Municipal Law (Section 103, subdivision 11), where a unilateral error or mistake is discovered in a bid, such bid may be withdrawn upon written approval of the Agency Chief Contracting Officer if the following conditions are met:
  - (a) The mistake is known or made known to the agency prior to the awarding of the Contract or within 3 days after the opening of the bid, whichever period is shorter; and
  - (b) The price bid was based upon an error of such magnitude that enforcement would be unconscionable; and
  - (c) The bid was submitted in good faith and the bidder submits credible evidence that the mistake was a clerical error as opposed to a judgment error; and
  - (d) The error in the bid is actually due to an unintentional and substantial arithmetic error or an unintentional omission of a substantial quantity of work, labor, material or services made directly in the compilation of the bid, which unintentional arithmetic error or unintentional omission can be clearly shown by objective evidence drawn from inspection of the original work paper, documents, or materials used in the preparation of the bid sought to be withdrawn; and
  - (e) It is possible to place the agency in the same position as existed prior to the bid.
- (2) Unless otherwise required by law, the sole remedy for a bid mistake in accordance with this Article shall be withdrawal of the bid, and the return of the bid bond, or other security, if any, to the bidder. Thereafter, the agency may, in its discretion, award the Contract to the next lowest bidder or rebid the Contract. Any amendment to or reformation of a bid or a Contract to rectify such an error or mistake

therein is strictly prohibited.

(3) If the mistake and the intended correct bid are clearly evident on the face of the bid document, the bid shall be corrected to the intended correct bid and may not be withdrawn. Examples of mistakes that may be corrected are typographical errors, errors in extending unit prices, transposition errors and arithmetical errors.

#### 20. <u>Low Tie Bids</u>

- (A) When two or more low responsive bids from responsible bidders are identical in price, meeting all the requirements and criteria set forth in the Invitation For Bids, the Agency Chief Contracting Officer will break the tie in the following manner and order of priority:
  - (1) Award to a certified New York City small, minority or woman-owned business entity bidder:
  - (2) Award to a New York City bidder;
  - (3) Award to a certified New York State small, minority or woman-owned business bidder;
  - (4) Award to a New York State bidder.
- (B) If two or more bidders still remain equally eligible after application of paragraph (A) above, award shall be made by a drawing by lot limited to those bidders. The bidders involved shall be invited to attend the drawing. A witness shall be present to verify the drawing and shall certify the results on the bid tabulation sheet.

#### 21. Rejection of Bids

- (A) Rejection of Individual Bids: The Agency may reject a bid if:
- (1) The bidder fails to furnish any of the information required pursuant to Section 24 or 28 hereof; or if
- (2) The bidder is determined to be not responsible pursuant to the Procurement Policy Board Rules; or if
- (3) The bid is determined to be non-responsive pursuant to the Procurement Policy Board Rules; or if
- (4) The bid, in the opinion of the Agency Chief Contracting Officer, contains unbalanced bid prices and is thus non-responsive, unless the bidder can show that the prices are not unbalanced for the probable required quantity of items, or if the imbalance is corrected pursuant to Section 15.
- (B) Rejection of All Bids: The Agency, upon written approval by the Agency Chief Contracting Officer, may reject all bids and may elect to resolicit bids if in its sole opinion it shall deem it in the best interest of the City so to do.
- (C) <u>Rejection of All Bids and Negotiation With All Responsible Bidders</u>: The Agency Head may determine that it is appropriate to cancel the Invitation For Bids after bid opening and before award and to complete the acquisition by negotiation. This determination shall be based on one of the following reasons:

- (1) All otherwise acceptable bids received are at unreasonable prices, or only one bid is received and the Agency Chief Contracting Officer cannot determine the reasonableness of the bid price, or no responsive bid has been received from a responsible bidder; or
- (2) In the judgment of the Agency Chief Contracting Officer, the bids were not independently arrived at in open competition, were collusive, or were submitted in bad faith.
- (D) When the Agency has determined that the Invitation for Bids is to be canceled and that use of negotiation is appropriate to complete the acquisition, the contracting officer may negotiate and award the Contract without issuing a new solicitation, subject to the following conditions:
  - (1) prior notice of the intention to negotiate and a reasonable opportunity to negotiate have been given by the contracting officer to each responsible bidder that submitted a bid in response to the Invitation for Bids;
  - (2) the negotiated price is the lowest negotiated price offered by a responsible bidder; and
  - the negotiated price is lower than the lowest rejected bid price of a responsible bidder that submitted a bid in response to the Invitation for Bids.

# 22. Right to Appeal Determinations of Non-Responsiveness or Non-Responsibility and Right to Protest Solicitations and Award

The bidder has the right to appeal a determination of non-responsiveness or non-responsibility and has the right to protest a solicitation and award. For further information concerning these rights, the bidder is directed to the Procurement Policy Board Rules.

## 23. Affirmative Action and Equal Employment Opportunity

This Invitation For Bids is subject to applicable provisions of Federal, State and Local Laws and executive orders requiring affirmative action and equal employment opportunity.

#### 24. VENDEX Questionnaires

- (A) Requirement: Pursuant to Administrative Code Section 6-116.2 and the PPB Rules, bidders may be obligated to complete and submit VENDEX Questionnaires. Generally, if this bid is \$100,000 or more, or if this bid when added to the sum total of all contracts, concessions and franchises the bidder has received from the City and any subcontracts received from City contractors over the past twelve months, equals or exceeds \$100,000, Vendex Questionnaires must be completed. If required, Vendex Questionnaires must be completed and submitted before any award of contract may be made or before approval is given for a proposed subcontractor. Non-compliance with these submission requirements may result in the disqualification of the bid, disapproval of a subcontractor, subsequent withdrawal of approval for the use of an approved subcontractor, or the cancellation of the contract after its award.
- (B) <u>Submission</u>: Vendex Questionnaires must be submitted directly to the Mayor's Office of Contract Services, ATTN: Vendex, 253 Broadway, 9th Floor, New York, New York 10007. In addition, the bidder must submit a Confirmation of Vendex Compliance to the agency. A form for this confirmation is set forth in the Bid Booklet.
- (C) Obtaining Forms: Vendex Questionnaires, as well as detailed instructions, may be obtained at <a href="https://www.nyc.gov/vendex">www.nyc.gov/vendex</a>. The bidder may also obtain Vendex forms and instructions by contacting the

Agency Chief Contracting Office or the contract person for this contract.

#### 25. Complaints About the Bid Process

The New York City Comptroller is charged with the audit of contracts in New York City. Any vendor who believes that there has been unfairness, favoritism or impropriety in the bid process should inform the Comptroller, Office of Contract Administration, One Centre Street, Room 835, New York, New York; telephone number (212)669-2797.

# 26. Bid, Performance and Payment Security

- (A) Bid Security: Each bid must be accompanied by bid security in an amount and type specified in Attachment 1 (page A-1 of the Bid Booklet). The bid security shall assure the City of New York of the adherence of the bidder to its proposal, the execution of the Contract, and the furnishing of Performance and Payment Bonds by the bidder, if required in Attachment 1. Bid security shall be returned to the bidder as follows:
  - (1) Within ten (10) days after the bid opening, the Comptroller will be notified to return the deposits of all but the three (3) lowest bidders. Within five (5) days after the award, the Comptroller will be notified to return the deposits of the remaining two unsuccessful bidders.
  - (2) Within five (5) days after the execution of the Contract and acceptance of the Contractor's bonds, the Comptroller will be notified to return the bid security of the successful bidder or, if performance and payment bonds are not required, only after the sum retained under Article 21 of the Contract equals the amount of the bid security.
  - Where all bids are rejected, the Comptroller will be notified to return the deposit of the three (3) lowest bidders at the time of rejection.
- (B) Performance and Payment Security: Performance and Payment Security must be provided in an amount and type specified in Attachment 1 (page A-l of the Bid Booklet). The performance and payment security shall be delivered by the contractor prior to or at the time of execution of the Contract. If a contractor fails to deliver the required performance and payment security, its bid security shall be enforced, and an award of Contract may be made to the next lowest responsible and responsive bidder, or the contract may be rebid.
- (C) <u>Acceptable Types of Security</u>: Acceptable types of security for bids, performance, and payment shall be limited to the following:
  - (1) a one-time bond in a form satisfactory to the City;
  - (2) a bank certified check or money order;
  - (3) obligations of the City of New York; or
  - (4) other financial instruments as determined by the Office of Construction in consultation with the Comptroller.

Whenever the successful bidder deposits obligations of the City of New York as performance and payment security, the Comptroller may sell and use the proceeds thereof for any purpose for which the principal or surety on such bond would be liable under the terms of the Contract. If the money is deposited with the Comptroller, the successful bidder shall not be entitled to receive interest on such money from the City.

(D) Form of Bonds: Security provided in the form of bonds must be prepared on the form of bonds authorized by the City of New York. Forms for bid, performance, and payment bonds are included in the Invitation for Bids Documents. Such bonds must have as surety thereunder such surety company or companies as are: (I) approved by the City of New York; (2) authorized to do business in the State of New York, and (3) approved by the Department of the Treasury of the United States. Premiums for any required bonds must be included in the base bid.

The bidder is advised that submission of a bid bond where the surety on such bond fails to meet the criteria set forth herein, shall result in the rejection of the bid as non-responsive.

The Department of the Treasury of the United States advises that information concerning approved surety companies may be obtained as follows: (1) from the Government Printing Office at 202-512-1800; (2) through the Internet at <a href="http://www.fms.treas.gov/c570/index.html">http://www.fms.treas.gov/c570/index.html</a>, and (3) through a computerized public bulletin board, which can be accessed by using your computer modem and dialing 202-874-6887.

(E) <u>Power of Attorney</u>: Attorneys in fact who sign bid, performance, or payment bonds must file with each bond a certified copy of their power of attorney to sign said bonds.

#### 27. Failure to Execute Contract

In the event of failure of the successful bidder to execute the Contract and furnish the required security within ten (10) days after notice of the award of the Contract, the deposit of the successful bidder or so much thereof as shall be applicable to the amount of the award made shall be retained by the City, and the successful bidder shall be liable for and hereby agrees to pay on demand the difference between the price bid and the price for which such Contract shall be subsequently awarded, including the cost of any required reletting and less the amount of such deposit. No plea of mistake in such accepted bid shall be available to the bidder for the recovery of the deposit or as a defense to any action based upon such accepted bid. Further, should the bidder's failure to comply with this Section cause any funding agency, body or group (Federal, State, City, Public, Private, etc.) to terminate, cancel or reduce the funding on this project, the bidder in such event shall be liable also to the City for the amount of actual funding withdrawn by such agency on this project, less the amount of the forfeited deposit.

# 28. <u>Bidder Responsibilities and Qualifications</u>

- (A) Bidders must include with their bids all information necessary for a determination of bidder responsibility, as set forth in the Specifications.
- (B) The Agency may require any bidder or prospective bidder to furnish all books of account, records, vouchers, statements or other information concerning the bidder's financial status for examination as may be required by the Agency to ascertain the bidder's responsibility and capability to perform the Contract. If required, a bidder must also submit a sworn statement setting forth such information as the Agency may require concerning present and proposed plant and equipment, the personnel and qualifications of his working organizations, prior experience and performance record.
- (C) Oral Examination on Qualifications: In addition thereto, and when directed by the Agency, the bidder, or a responsible officer, agent or employee of the bidder, must submit to an oral examination to be conducted by the Agency in relation to his proposed tentative plan and schedule of

operations, and such other matters as the Agency may deem necessary in order to determine the bidder's ability and responsibility to perform the work in accordance with the Contract. Each person so examined must sign and verify a stenographic transcript of such examination noting thereon such corrections as such person may desire to make.

(D) If the bidder fails or refuses to supply any of the documents or information set forth in paragraph (B) hereof or fails to comply with any of the requirements thereof, the Agency may reject the bid.

# 29. Employment Report

In accordance with Executive Order No. 50 (1980) as modified by Executive Order 108 (1986), the filing of a completed Employment Report (ER) is a requirement of doing business with the City of New York for construction contractors with contracts of \$1,000,000 or more and subcontractors with construction subcontracts of \$750,000 or more. The required forms and information are included in the Bid Booklet.

#### 30. Labor Law Requirements

- (A) <u>General</u>: The successful bidder will be required to comply strictly with all Federal, State and local labor laws and regulations.
- (B) New York State Labor Law: This Contract is subject to New York State Labor Law Section 220, which requires that construction workers on the site be paid prevailing wages and supplements. The Contractor is reminded that all wage provisions of this Contract will be enforced strictly and failure to comply will be considered when evaluating performance. Noncompliance may result in the contractor being debarred by the City from future contracts. Complaints filed with the Comptroller may result in decisions which may debar a contractor from bidding contracts with any state governmental entity and other political subdivisions.
- (C) <u>Records</u>: The Contractor is expected to submit accurate payroll reports and other required documents and verify attendance and job classifications being utilized in compliance with the law, Contract provisions and agency procedures.

#### 31. <u>Insurance</u>

- (A) Bidders are advised that the insurance requirements contained herein are regarded as material terms of the Contract. As required by Article 22 of the Contract, the contractor must effect and maintain with companies licensed and authorized to do business in the State of New York, the types of insurance set forth therein, when required by and in the amounts set forth in Schedule A of the General Conditions. Such required insurance must be provided from the date the contractor is ordered to commence work and up to the date of final acceptance of all required work.
- (B) The contractor must, within ten days of receipt of the notice of award, submit the following insurance documentation: (a) original certificate of insurance for general liability in the amount required by Schedule A of the General Conditions, and (b) original certificates of insurance or other proof of coverage for workers' compensation and disability benefits, as required by Section 57 of the New York State Workers' Compensation Law and Section 220 of the Disability Benefits Law.

#### 32. <u>Lump Sum Contracts</u>

- (A) <u>Comparison of Bids</u>: Bids on Lump Sum Contracts will be compared on the basis of the lump sum price bid, adjusted for alternate prices bid, if any.
- (B) Lump Sum Bids for "General Construction Work" which include excavation shall include all necessary excavation work defined in the Specifications as being included in the lump sum bid. The bidder shall also bid a unit price for the additional cost of excavating material which is defined in the Specifications as excavation for which additional payment will be made. The total estimated additional cost of removing such material will be taken as the quantity set forth in the Engineer's Estimate multiplied by the unit price bid. This total estimated cost of additional excavation shall be added to the lump sum bid for the General Construction Work for the purpose of comparing bids to determine the low bidder.
- (C) <u>Variations from Engineer's Estimate</u>: The Engineer's Estimate of the quantity of excavation for which additional payment will be made is approximate only and is given solely to be used as a uniform basis for the comparison of bids and such estimate is not to be considered as part of this contract. The quantities actually required to complete the contract work may be more or less than the quantities in the Engineer's Estimate and, if so, no action for damages or for loss of profits shall accrue to the contractor by reason thereof.

#### 33. Unit Price Contracts

- (A) <u>Comparison of Bids</u>: Bids on Unit Price Contracts will be compared on the basis of a total estimated price, arrived at by taking the sum of the estimated quantities of such items, in accordance with the Engineer's Estimate of Quantities set forth in the Bid Schedule, multiplied by the corresponding unit prices, and including any lump sum bids on individual items.
- (B) <u>Variations from Engineer's Estimate</u>: Bidders are warned that the Engineer's Estimate of Quantities on the various items of work and materials is approximate only, given solely to be used as a uniform basis for the comparison of bids, and is not be considered part of this contract. The quantities actually required to complete the contract work may be less or more than so estimated, and if so, no action for damages or for loss of profits shall accrue to the contractor by reason thereof.
- (C) <u>Overruns</u>: The terms and conditions applicable to overruns of unit price items are set forth in Article 26 of the Contract.

#### 34. Excise Tax

Bidders are referred to the Specifications for information on Federal Excise Tax exemptions.

#### 35. Licenses and Permits

The successful bidder will be required to obtain all necessary licenses and permits necessary to perform the work.

#### 36. Multiple Prime Contractors

If more than one prime contractor will be involved on this project, all contractors are required to examine the Invitation for Bid packages for all other parts of the project.

#### 37. Locally Based Enterprise Requirements (LBE)

This Contract is subject to the requirements of Administrative Code, Section 6-108.1, and the regulations promulgated thereunder. No construction contract will be awarded unless and until these requirements have been complied with in their entirety. The bidder is advised of the provisions set forth below, as well as the provisions with respect to the Locally Based Enterprise Program contained in Article 67 of the Contract. The contractor is advised that:

- (A) If any portion of the Contract is subcontracted, not less than ten percent of the total dollar amount of the contract shall be awarded to locally based enterprises ("LBEs"); except, where less than ten percent of the total dollar amount of the Contract is subcontracted, such lesser percentage shall be so awarded.
  - (B) No contractor shall require performance and payment bonds from LBE subcontractors.
  - (C) No Contract shall be awarded unless the contractor first identifies in its bid:
  - (1) the percentage, dollar amount and type of work to be subcontracted; and
  - (2) the percentage, dollar amount and type of work to be subcontracted to LBEs.
- (D) Within ten calendar days after notification of low bid, the apparent low bidder shall submit an "LBE Participation Schedule" to the contracting agency. If such schedule does not identify sufficient LBE subcontractors to meet the requirements of Administrative Code Section 6-108.1, the apparent low bidder shall submit documentation of its good faith efforts to meet such requirements.
  - (1) The "LBE Participation Schedule" shall include:
    - (a) the name and address of each LBE that will be given a subcontract,
    - (b) the percentage, dollar amount and type of work to be subcontracted to the LBE, and
    - (c) the dates when the LBE subcontract work will commence and end.
  - (2) The following documents shall be attached to the "LBE Participation Schedule":
    - (a) verification letters from each subcontractor listed in the "LBE Participation Schedule" stating that the LBE will enter into a formal agreement for work,
    - (b) certification documents of any proposed LBE subcontractor which is not on the LBE certified list, and
    - (c) copies of the certification letter of any proposed subcontractor which is an LBE.
  - Occumentation of good faith efforts to achieve the required LBE percentage shall include as appropriate but not limited to the following:
    - (a) attendance at prebid meetings, when scheduled by the agency, to advise bidders of contract requirements;

- (b) advertisement where appropriate in general circulation media, trade association publications and small business media of the specific subcontracts that would be at least equal to the percentage goal for LBE utilization specified by the contractor;
- (c) written notification to association of small, minority and women contractors soliciting specific subcontractors;
- (d) written notification by certified mail to LBE firms that their interest in the contract is solicited for specific work items and their estimated values;
- demonstration of efforts made to select portions of the work for performance by LBE firms in order to increase the likelihood of achieving the stated goal;
- (f) documented efforts to negotiate with LBE firms for specific subcontracts, including at a minimum:
  - (i) The names, address and telephone numbers of LBE firms that are contacted;
  - (ii) A description of the information provided to LBE firms regarding the plans and specifications for portions of the work to be performed;
  - (iii) Documentation showing that no reasonable price can be obtained from LBE firms:
  - (iv) A statement of why agreements with LBE firms were not reached;
- (g) a statement of the reason for rejecting any LBE firm which the contractor deemed to be unqualified; and
- (h) documentation of efforts made to assist the LBE firms contacted that needed assistance in obtaining required insurance.
- (E) Unless otherwise waived by the Commissioner with the approval of the Office of Economic and Financial Opportunity, failure of a proposed contractor to provide the information required by paragraphs (C) and (D) above may render the bid non-responsive and the Contract may not be awarded to the bidder. If the contractor states that it will subcontract a specific portion of the work, but can demonstrate despite good faith efforts it cannot achieve its required LBE percentage for subcontracted work until after award of Contract, the Contract may be awarded, subject to a letter of compliance from the contractor stating that it will comply with Administrative Code Section 6-108.1 and subject to approval by the Commissioner. If the contractor has not met its required LBE percentage prior to award, the contractor shall demonstrate that a good faith effort has been made subsequent to award to obtain LBEs on each subcontract until its meets the required percentage.
- (F) When a bidder indicates prior to award that no work will be subcontracted, no work may be subcontracted without the prior written approval of the Commissioner, which shall be granted only if the contractor in good faith seeks LBE subcontractors at least six weeks prior to the start of work.
- (G) The contractor may not substitute or change any LBE which was identified prior to award of the contract without the written permission of the Commissioner. The contractor shall make a written application to the Commissioner for permission to make such substitution or change, explaining why the contractor needs to change its LBE subcontractor and how the contractor will meet its LBE subcontracting requirement. Copies of such application must be served on the originally identified LBE by certified mail return receipt requested, as well as the proposed substitute LBE. The Commissioner shall determine whether or not to grant the contractor's request for substitution.

# 38. <u>Bid Submission Requirements</u>

The Bid Submission Requirements are set forth on page 2 of the Bid Booklet.

## 39. Comptroller's Certificate

This Contract shall not be binding or of any force unless it is registered by the Comptroller in accordance with Section 328 of the City Charter and the Procurement Policy Board Rules. This Contract shall continue in force only after annual appropriation of funds by the City of New York and certification as hereinabove set forth.

# 40. Procurement Policy Board Rules

This Invitation For Bids is subject to the Rules of the Procurement Policy Board of the City of New York. In the event of a conflict between said Rules and a provision of this Invitation For Bids, the Rules shall take precedence.

## 41. <u>DDC Safety Requirements</u>

The DDC Safety Requirements apply to the work to be performed pursuant to the Contract. The DDC Safety Requirements are set forth on the following pages.

# **CITY OF NEW YORK**

# DEPARTMENT OF DESIGN AND CONSTRUCTION

# SAFETY REQUIREMENTS

# THE DDC SAFETY REQUIREMENTS INCLUDE THE FOLLOWING SECTIONS:

I. POLICY ON SITE SAFETY..... II. PURPOSE ..... Ш. DEFINITIONS..... RESPONSIBILITIES..... IV. V. SAFETY QUESTIONNAIRE ..... VI. SAFETY PROGRAM AND SITE SAFETY PLAN VII. KICK-OFF/PRE-CONSTRUCTION MEETINGS AND SAFETY REVIEW ..... VIII. EVALUATION DURING WORK IN PROGRESS ..... IX. SAFETY PERFORMANCE EVALUATION.....

City of New York Department of Design and Construction: Safety Requirements Technical Support Division – Bureau of Quality Assurance and Construction Safety

#### I. POLICY ON SITE SAFETY

The City of New York Department of Design and Construction (DDC) is committed to a policy of injury and illness prevention and risk management for construction work that will ensure the safety and health of the workers engaged in the projects and the protection of the general public. Therefore, it is DDC's policy that work carried out by Contractors on DDC jobsites must, at a minimum, comply with applicable federal, state and city laws, rules and regulations, including without limitation:

- U. S. Department of Labor 29 Code of Federal Regulations (CFR) Part 1926 and applicable Sub-parts of Part 1910 U.S. Occupational Safety and Health Administration (OSHA) including, but not limited to "Respiratory Protection" (29 CFR 1910.134), "Permit-Required Confined Spaces" (29 CFR 1910.146), and "Hazard Communication" (29 CFR 1910.1200);
- New York State Department of Labor Industrial Code Rule 23 Protection in Construction, Demolition and Excavation;
- □ New York City Construction Codes, Title 28
- □ NYC Department of Transportation Title 34 Chapter 2 Highway Rules
- □ New York State Department of Labor Industrial Code Rule 753
- □ NYC Local Law No. 113 (2005) Noise Control Code

In addition, all regulations promulgated by the NYC Department of Transportation, including requirements for Maintenance and Protection of Traffic (MPT), are applicable when contained in contract specifications. While MPT is a significant component of work in our Infrastructure Division, it does not supersede or exempt Contractors from complying with other applicable health and safety standards (for example, excavating and trenching standards, operation of heavy equipment and compliance with City environmental and noise regulations).

#### II. PURPOSE

The purpose of this policy is to ensure that Contractors perform their work and supervise their employees in accordance with all applicable federal, state and city rules and regulations. Further, Contractors will be expected to minimize or eliminate jobsite and public hazard, through a planning, inspection, auditing and corrective action process. The goal is to control risks so that injuries, illnesses and accidents to contractors' employees, DDC employees and the general public, as well as damage to city-owned and private property, are reduced to the lowest level feasible.

#### III. DEFINITIONS

**Agency Chief Contracting Officer (ACCO)**: The ACCO shall mean the person delegated authority by the Commissioner to organize and supervise the procurement activity of subordinate Agency staff in conjunction with the CCPO.

Competent Person: As defined by OSHA, an individual who is capable of identifying existing and predictable hazards in the surroundings or working conditions that are unsanitary, hazardous, or dangerous to employees or the general public, and who has authorization to take prompt corrective measures to eliminate them.

Construction Safety Auditor: A representative of the QACS Construction Safety Unit who provides inspection and assessment services to enhance health and safety on all DDC construction projects. The activities of the Construction Safety Auditor include performing site surveys, reviewing health and safety plans, reviewing construction permits, and rendering technical advice and assistance to DDC Resident Engineers and Project Managers.

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Construction Safety Unit: A part of QACS within the Division of Technical Support that assesses contractor safety on DDC jobsites and advises responsible parties of needed corrective actions.

Construction Superintendent: A representative of the contractor responsible for overseeing performance of the required construction work. This individual must engage in sound construction practices, and is responsible to maintain a safe work site. In the case of a project involving the demolition, alteration or new construction of buildings, the Construction Superintendent must be licensed by the NYC Department of Buildings.

Contractor: For purposes of these Safety Requirements, the term "Contractor" shall mean any person or entity that enters into a contract for the performance of construction work on a DDC project. The term "Contractor" shall include any person or entity which enters into any of the following types of contracts: (1) a prime construction contract for a specific project, (2) a prime construction contract using the Job Order Contracting System ("JOCS Contract"), and (3) a subcontract with a CM/Builder ("First Tier Subcontract").

**Director - Quality Assurance and Construction Safety (QACS)**: Responsible for the operations of the QACS Construction Safety Unit and the DDC Site Safety management programs.

**Job Hazard Assessment (JHA):** A process of identifying site-specific hazards that may be present during construction and establishing the means and methods to reduce or eliminate those hazards.

Jobsite Safety Coordinator: A person designated by the Contractor to be onsite during all activities. This individual shall have received, at a minimum, the OSHA 10-hour construction safety program. Other examples of acceptable training are the 30-hour OSHA Safety and Health Standards for the Construction Industry training program (OSHA 510) or a degree/certificate in a safety and health from a college-level curriculum. This person does not necessarily have to be dedicated full-time to site safety, but must have sufficient experience and authority to undertake corrective action and must qualify to be a competent person. For certain projects, as defined in NYC Construction Codes – Title 28, this person may be required to have a Site Safety Manager's License issued by the NYC DOB.

Qualified Person: As defined by OSHA, an individual who, by possession of a recognized degree, certificate, license or professional standing, or who by extensive knowledge, training, and experience, has successfully demonstrated his or her ability to solve problems relating to the subject matter, the work, or the project. Qualified Persons are required under regulation to address issues pertaining, but without limit, to fall protection, scaffold design and trenching and shoring, among others.

**Resident Engineer (RE)** / Construction Project Manager (CPM): Representative of the Commissioner duly designated by the Commissioner to be his/her representative at the site of the work. (The RE/CPM may be a third-party consultant, including a CM, retained by DDC.)

Safety Program: Established by the Contractor that covers all operations of that Contractor and establishes the Contractor's overall safety policy, regulatory compliance plan and minimum safety standards. The Safety Program must be submitted prior to the commencement of work at the site and is subject to review and acceptance by the Construction Safety Unit.

**Safety Questionnaire**: Used by DDC to evaluate Contractor's current and past safety performance. It is required to be completed by all Contractors initially when submitting bids for Construction work, or when being pre-qualified and updated annually or as requested by the DDC.

Site Safety Plan: A site-specific safety plan developed by the Contractor for a specific project. The Site Safety Plan must identify hazards associated with the project, and include specific safety precautions and training appropriate and necessary to complete the work. The Site Safety Plan must be submitted prior to the commencement of work at the site and is subject to review and acceptance by the Construction Safety Unit.

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Unsafe or Unhealthy Condition: A condition that could be potentially hazardous to the health and safety of personnel or the public, and/or damaging to equipment, machinery, property or the environment.

Weekly Safety Meetings: Weekly documented jobsite safety meetings, given to all jobsite personnel by contractor, with the purpose of discussing general safety topics and job specific requirements encountered at the DDC work site.

#### IV. RESPONSIBILITIES

All persons who manage, perform, and provide support for construction projects shall conduct operations in compliance with the requirements identified in this Policy and all applicable governing regulatory agency requirements and guidelines pertaining to safety in construction.

#### A. Resident Engineer / Construction Project Manager / Construction Manager

- Monitors the issuance of safety-related permits, approvals and drawings and maintains copies on site.
- Monitors construction-related work activities to confirm that they are conducted in accordance with DDC policies
  and all applicable regulations that pertain to construction safety.
- Maintains documentation and periodically attends weekly safety meeting.
- Notifies the Construction Safety Unit and the ACCO's Insurance and Risk Management Unit of project- related accidents and emergencies, as per DDC's Construction Safety Emergency Protocol.
- Gathers facts related to all accidents and prepares DDC Accident Reports.
- Notifies the Construction Safety Unit of outside regulatory agency inspections and forwards a copy of the inspection report within three days of its receipt.
- Monitors the conditions at the site for conformance with the Site Safety Plan and DDC construction documents.
- Notifies the contractor and DDC in the event that any condition or activity exists that is not in compliance with the Site Safety Plan, applicable federal, state or local codes or any condition that presents a potential risk of injury to the public or workers or possible damage to property.
- Notifies DDC of any emergency condition and directs the contractor to provide such labor, materials, equipment and supervision to abate such conditions.
- Reports gross safety violations to the Construction Safety Unit immediately.

#### **B.** Contractors

- Complete a Safety Questionnaire and submit with its bid or as part of a pre-qualification package.
- Provide a Written Job Hazard Assessment (JHA) that identifies expected safety issues of the work to be performed. JHA shall be included with the Site Safety Plan submitted by the contractor.
- Submit a Site Safety Plan and Safety Program within 15 days of issuance of the Notice to Proceed, or as otherwise directed. The Site Safety Plan and Safety Program are subject to review and acceptance by the Construction Safety Unit prior to the commencement of work at the site. The Site Safety Plan shall be revised and updated as necessary.
- Ensure that all employees are aware of the hazards associated with the project through formal and informal training and/or other communications. Conduct and document weekly safety meetings for the duration of the project. Documentation to be provided to the RE/CPM/CM on a monthly basis.
- Name a Construction Superintendent, if required.
- Name a Job Site Safety Coordinator. The Contractor will be required to identify the Job Site Safety Coordinator in the Site Safety Plan.
- Comply with all mandated federal, state and local safety and health rules and regulations.
- Comply with all provisions of the Site Safety Plan.
- As part of the Site Safety Plan, prepare a site specific MPT (if not otherwise provided in the contract documents) and comply with all of its provisions.

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- Conduct and document site-specific safety orientation for Contractor personnel to review the hazards associated
  with the project as identified in the Site Safety Plan and the specific safety procedures and controls that will be
  used to protect workers, the general public and property. The Job Site Safety Coordinator will conduct this
  training prior to mobilization and provide documentation to the RE/CPM/CM.
- Provide, replace and adequately maintain at or around the project site, suitable and sufficient signage, lights, barricades and enclosures (fences, sidewalk sheds, netting, bracing, etc.).
- Report unsafe conditions or hazards to the DDC RE/CPM/CM as soon as practical, but no more than 24 hours
  after discovery, and take action to remove or abate such conditions.
- Report any accident involving injuries to workers or the general public, as well as property damage, to the DDC RE/CPM/CM within two (2) hours.
- Notify the DDC RE/CPM/CM within two (2) hours of the start of an inspection by any regulatory agency personnel, including OSHA.
- Maintain all records pertaining to all required compliance documents and accident and injury reports.
- Respond to DDC recommendations on safety, which shall in no way relieve the Contractor of its responsibilities for safety on the project. The Contractor has sole responsibility for safety.

#### V. SAFETY QUESTIONNAIRE

DDC requires that all Contractors provide information regarding their current and past safety and environmental performance and programs. This will be accomplished by the use of the DDC Safety Questionnaire. As a part of the bid submittal package, the contractor must submit a completed DDC Safety Questionnaire listing their workers' compensation experience modification rating and OSHA Incidence Rates for the three (3) years prior to the date of the bid opening. DDC may request a Contractor to update its Questionnaire at any time or to provide more detailed information. The Contractor must provide the requested update within 30 days.

The following criteria will be used by DDC in reviewing the Contractor's responsibility, which will be based on the information provided on the questionnaire:

- Criteria 1: OSHA Injury and Illness Rates (I&IR) are no greater than the average for the industry (based on the most current Bureau of Labor Statistics data for the Contractors SIC code); and
- Criteria 2: Insurance workers compensation Experience Modification Rate (EMR) equal to or less than 1.0; and
- Criteria 3: Any willful violations issued by OSHA or NYC DOB within the last three years; and
- Criteria 4: A fatality (worker or member of public) experienced on or near Contractor's worksite within the last three (3) years; and
- Criteria 5: An unacceptable rating by QACS based on past performance on DDC projects; and
- Criteria 6: Contractor has in place an acceptable corporate safety program and its employees shall have completed all documented relative safety training; and
- Criteria 7: Contractor shall provide OSHA Injury Records (currently OSHA 300 Log) for the last three (3) years.

If the Contractor fails to meet the basic criteria listed above, the Construction Safety Unit may request, through the ACCO, more detail concerning the Contractor's safety experience. DDC may request the Contractor to provide copies of, among other things, OSHA records, OSHA and DOB citations, EPA citations and written Safety Programs.

#### VI. SAFETY PROGRAM AND SITE SAFETY PLAN

Within fifteen (15) days of issuance of the Notice to Proceed, or as otherwise directed, the Contractor shall submit the following: (1) Safety Program, and (2) Site Safety Plan. The Safety Program shall set forth the Contractor's overall safety policy, regulatory compliance plan and minimum safety standard, and the Site Safety Plan shall identify hazards associated with the project, and include specific safety precautions and training appropriate and necessary to complete the work. The Safety Program and the Site Safety Plan are subject to review and acceptance by the Construction Safety Unit prior to the commencement of work at the site. Failure by the contractor to submit an acceptable Site Safety Plan and Safety Program shall be grounds for default.

The Site Safety Plan shall apply to all Contractor and subcontractor operations, and shall have at a minimum, the following elements. Each element shall be described in a separate section in the written document. It may be necessary to modify the basic format for certain unique or high-risk projects (such as tunnels or high-rise construction). The basic elements are as follows:

- 1. Responsibility and Organization: Identify the person or persons with authority and responsibility for implementing the Site Safety Plan. Provide an organization chart and define levels of authority and responsibility. Identify the Competent Person, the Construction Superintendent (if required), the Job Safety Coordinator and the Qualified Person required for this project.
- 2. Communication: Establish a system for communicating with employees and subcontractors on matters relating to worker and public safety and health and environmental protection, including provisions designed to encourage employees to inform the employer of hazards at the worksite without fear of reprisal. An emergency response notification protocol is to be established that also includes after hours contact numbers. The plan must also include provisions for weekly safety meetings held by the Job Site Safety Coordinator.
- 3. Job Hazard Assessment: A written document submitted by the contractor, used to identify expected job hazards and public safety risks and state the specific means and methods to reduce, control or eliminate those hazards. This part of the Site Safety Plan must also include how on-going evaluations of those risks and hazards will be carried out, including plans for periodic inspections to identify unsafe conditions, work practices and public safety hazards.
- 4. Accident/Exposure Investigation: Establish a procedure to investigate and report occupational and public injury or illness, property damage, vehicle accidents or other mishaps.
- 5. Hazard Correction: Establish means, methods and/or procedures for correcting unsafe or unhealthy conditions that might be exposing both the public and workers to hazards. Corrective actions must be taken immediately when observed or discovered. Should an imminent hazard exist which cannot be immediately abated without endangering employees, the public and/or property, remove or restrict all exposed persons from the area except those necessary to correct the existing condition. Employees necessary to correct the hazardous condition shall be provided the necessary safeguards. When corrective actions cannot be taken immediately, temporary measures should be taken until such time permanent measures are taken to eliminate the potential risks or hazards
- 6. Training: Describe site-specific hazard training programs. In addition to the required safety orientation, additional site specific training, in the form of required weekly safety meetings, will be required. Contractors must also initiate training when: a) new employees are hired; b) employees are given new job assignments for which training has not been previously received; c) new substances, processes, procedures or equipment are introduced that might represent a new public or worker hazard; d) the employee is made aware of a new or previously unrecognized hazard; e) new supervisors are assigned to familiarize themselves with the safety and health hazards to which employees under their immediate direction and control may be exposed; and f) after a jobsite incident or accident has occurred.

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7. Recordkeeping: Establish procedures to maintain records of scheduled and periodic inspections, weekly safety meetings, and training records. Updated records shall be maintained at the jobsite, accessible to the Construction Safety Auditors and/or Quality Assurance Auditors/RE/CPM, and retained in accordance with DDC policy.

The most critical component of the Site Safety Plan is the Job Hazard Assessment section. This section must address specific hazards that are anticipated throughout the project. Each Site Safety Plan must address, at a minimum:

- Public and pedestrian safety
- Fall protection
- Electrical hazards
- Scaffolding
- Fire protection
- Emergency notification & response
- Housekeeping / debris removal
- Dust control

- Maintenance and protection of traffic
- Trenching and excavating
- Heavy equipment operations
- Material / equipment storage
- Environmental contamination
- Sheeting and shoring
- Alcohol and Drug Abuse Policy

The following additional hazards must be addressed, if applicable, based on the contract safety specifications and/or the results of the JHA (the list is not all-inclusive):

- Basic Personal Protective Equipment
- Compressed Air
- Compressed Gas Cylinders
- Cranes, Derricks and Hoists
- Demolition
- Electrical safety
- Excavations and Trenching
- Fall Protection Floor openings/Stairways
- Fall Protection Guardrails Toe boards etc
- Fall Protection Leading Edge
- Fall Protection Personal Fall Protection Devices
- Fire Protection and Fire Prevention
- Hazard Communication (RIGHT TO KNOW)
- Hazardous Energy & Lock Out / Tag Out
- Housekeeping/Sanitation
- Maintenance and Protection of Traffic (MPT)
- Man Lifts /Aerial Lifts
- Marine Operations
- Motor Vehicle Safety
- Overhead Power lines
- Permit Required Confined Space
- Portable Ladders
- Powered Actuated Tools
- Powered Material Handling Equipment
- Scaffolds Mobile
- Scaffolds Stationary
- Scaffolds Suspended
- Slings
- Steel Erection

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- Welding and Cutting (Hot Work)
- Airborne Contaminants Particulates General
- Asbestos
- Blood borne Pathogens
- Hearing Protection
- Lead in Construction
- Mercury in Construction
- PCB's
- Respiratory Protection
- Silica
- Thermal Stress
- West Nile Virus
- Rodents and Vermin
- Noise Mitigation Plan

Certain DDC programs, such as Job Order Contracting System (JOCS), may not necessarily require Site Safety Plans. The JOCS contractor will be required to submit a Safety Program. In addition, certain DDC Operating Units may establish program or client-specific safety requirements. The contractor's Site Safety Plan must address such program or client specific safety requirements.

#### VII. KICK-OFF MEETINGS/PRE-CONSTRUCTION AND SAFETY REVIEW

As part of the construction kick-off meeting, a Site Safety Plan review will be part of the agenda. A QACS representative will participate in this meeting with the contractor prior to the start of the project for the purpose of:

- A. Reviewing the safety issues detailed in the contract.
- B. Reviewing the Site Safety Plan.
- C. Reviewing any new issues or information that was not previously addressed.
- D. Discussing planned inspections and audits of the site by DDC personnel.

#### VIII. EVALUATION DURING WORK IN PROGRESS

The Contractor's adherence to these Safety Requirements will be monitored throughout the project. This will be accomplished by the following:

- A. Use of a safety checklist by a representative of the Construction Safety Unit or other designated DDC representative or Consultant during regular, unannounced inspections of the job site. Field Exit Conferences will be held with the RE/CPM, Contractor Superintendents or Safety Representatives.
- B. The RE/CPM will continually monitor the safety and environmental performance of the contractor's employees and work methods. Deficiencies shall be brought to the attention of the contractor's representative on site for immediate correction. The DDC representative will maintain a written record of these deficiencies and forward them to the Construction Safety Unit on a weekly basis. Any critical deficiencies shall be immediately reported to QACS phone# (718) 391-1624 or (718) 391-1911.
- C. If the Contractor's safety performance during the project is not up to DDC standards (safety performance measure, accident/incident rate, etc.) the Director-QACS, or designee will meet with the Contractor's safety representative, the DDC project manager, the RE/CPM, or the DDC Environmental Specialist (if environmental issues are involved). The purpose of this meeting is to 1) determine the level of non-compliance; 2) explain and clarify the safety/environmental provisions; 3) agree on a future course of action to correct the deficiencies

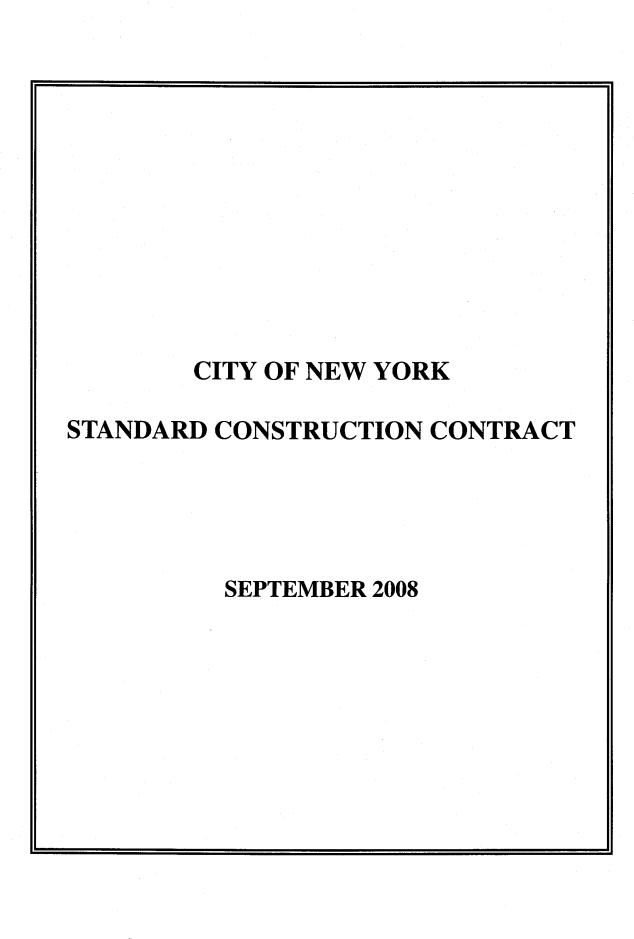
#### City of New York Department of Design and Construction: Safety Requirements Technical Support Division - Bureau of Quality Assurance and Construction Safety

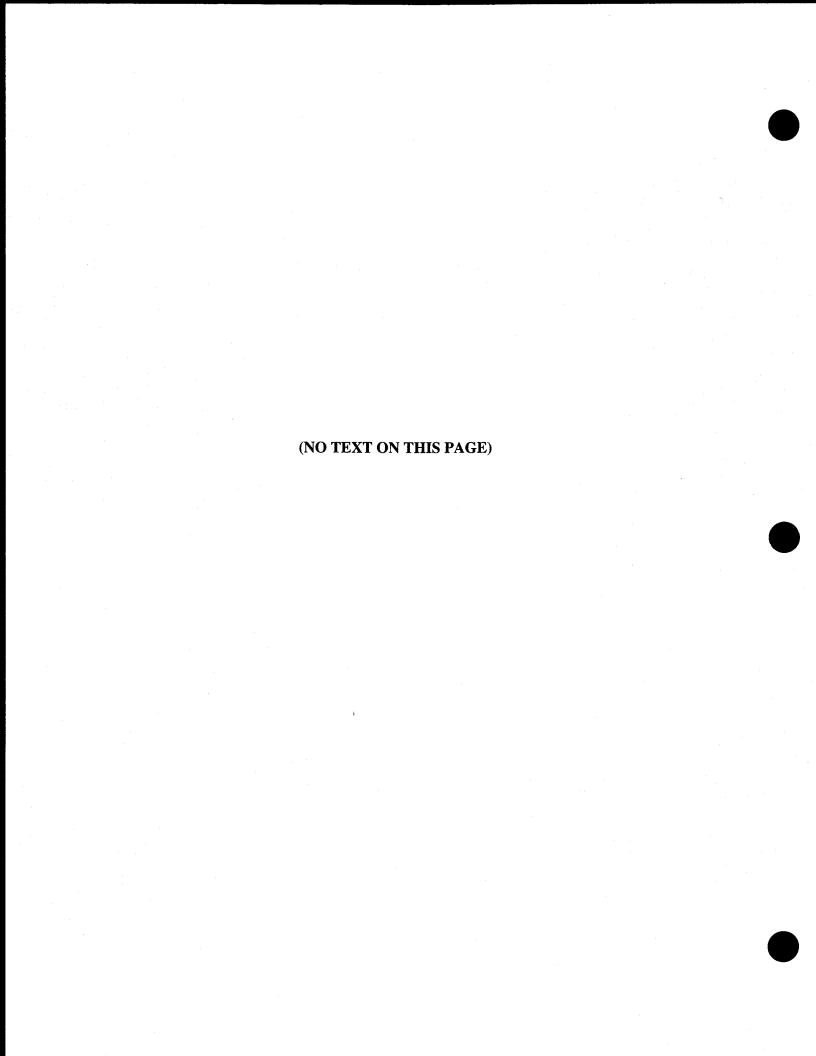
- D. If the deficiencies continue to occur with inadequate attention by the contractor, this shall, among other remedies available, be grounds for default.
- E. The contractor shall inform the Construction Safety Unit and ACCO Insurance and Risk Management Unit of all medical injuries or illnesses that require doctors' treatment resulting from an on-the-job incident within 24 hours of the occurrence. The Construction Safety Unit shall also be immediately informed of all fatalities, catastrophic accidents with more than one employee hospitalized, any injuries to members of the general public and major equipment damage (e.g., property damage, equipment rollovers, loads dropped from crane). QACS shall maintain a record of all contractor injuries and illnesses during the project and provide regular reports to the Agency.
- F. The Construction Safety Unit shall be immediately notified at the start of any NYS-DOL/ NYC-COSH/ OSHA/ EPA inspections. The Director of Quality Assurance & Construction Safety shall maintain a log of all contractor OSHA/EPA inspections and citations during the project.

#### IX. SAFETY PERFORMANCE EVALUATION

The contractor's safety record, including all DDC inspection results, will be considered as part of the Contractor's performance evaluation at the conclusion of the project. Poor safety performance during the course of the project shall be a reason to rate a Contractor unsatisfactory which will be reflected in the City's Vendex system and will be considered for future procurement actions as set forth in the City's Procurement Policy Board Rules.

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#### WITNESSETH:

The parties in consideration of the mutual agreements contained herein, agree as follows:

# CHAPTER I THE CONTRACT AND DEFINITIONS

## ARTICLE 1. THE CONTRACT

- 1.1 Except for titles, subtitles, headings, running headlines, tables of content and indices (all of which are printed herein merely for convenience), the following, except for such portions thereof as may be specifically excluded, shall be deemed to be part of this Contract:
  - 1.1.1 All provisions required by law to be inserted in this Contract, whether actually inserted or not;
    - 1.1.2 The Contract Drawings and Specifications;
    - 1.1.3 The General Conditions and Special Conditions, if any;
    - 1.1.4 The Contract;
    - 1.1.5 The Information for Bidders; Request for Proposals; Notice of Solicitation and Proposal For Bids; Bid or Proposal, and, if used, the Bid Booklet;
    - 1.1.6 The Budget Director's Certificate; all Addenda issued prior to the receipt of the bids; the Notice of Award; Performance and Payment Bonds, if required; and the Notice to Proceed with the Work.
- 1.2 Should any conflict occur in or between the Drawings and Specifications, the Contractor shall be deemed to have estimated the most expensive way of doing the Work, unless the Contractor shall have asked for and obtained a decision in writing from the Commissioner, of the Agency that is entering into this Contract, before the submission of its bid as to what shall govern.

#### **ARTICLE 2. DEFINITIONS**

- 2.1 The following words and expressions, or pronouns used in their stead, shall, wherever they appear in this Contract, be construed as follows, unless a different meaning is clear from the context:
  - 2.1.1 "Addendum" or "Addenda" shall mean the additional Contract provisions issued in writing by the Commissioner prior to the receipt of bids.
  - 2.1.2 "Agency" shall mean a city, county, borough or other office, position, department, division, bureau, board or commission, or a corporation, institution or agency of government, the expenses of which are paid in whole or in part from the City treasury.
  - 2.1.3 "Agency Chief Contracting Officer" (ACCO) shall mean a person delegated authority by the Commissioner to organize and supervise the procurement activity of subordinate Agency staff in conjunction with the CCPO.
    - 2.1.4 "City" shall mean the City of New York.

- 2.1.5 "City Chief Procurement Officer" (CCPO) shall mean a person delegated authority by the Mayor to coordinate and oversee the procurement activity of Mayoral agency staff, including the ACCO and any offices which have oversight responsibility for the procurement of construction.
- 2.1.6 "Commissioner" shall mean the head of the Agency that has entered into this Contract, or his/her duly authorized representative.
  - 2.1.7 "Comptroller" shall mean the Comptroller of the City of New York.
- 2.1.8 "Contract" or "Contract Documents" shall mean each of the various parts of the contract referred to in Article 1 hereof, both as a whole and severally.
- 2.1.9 "Contract Drawings" shall mean only those drawings specifically entitled as such and listed in the Specifications or in any Addendum, or any drawings furnished by the Commissioner, pertaining or supplemental thereto.
- 2.1.10 "Contract Work" shall mean everything required to be furnished and done by the Contractor by any one or more of the parts of the Contract referred to in Article 1, except Extra Work as hereinafter defined.
- 2.1.11 "Contractor" shall mean the entity which executed this Contract, whether a corporation, firm, partnership, joint venture, individual, or any combination thereof, and it(s), their, his/ her successors, personal representatives, executors, administrators and assigns, and any person, firm, partnership, joint venture, individual, or corporation which shall at any time be substituted in the place of the Contractor under this Contract.
  - 2.1.12 "Days" shall mean calendar days, except where otherwise specified.
- 2.1.13 "Engineer" or "Architect" or "Project Manager" shall mean the person so designated in writing by the Commissioner to act as such in relation to this Contract, including a private Architect or Engineer or Project Manager, as the case may be.
- 2.1.14 "Engineering Audit Officer" (EAO) shall mean the person so designated by the Commissioner to perform responsible auditing functions hereunder.
- 2.1.15 "Extra Work" shall mean Work other than that required by the Contract at the time of award which is authorized by the Commissioner pursuant to Chapter VI of this Contract.
- 2.1.16 **"Federal-Aid Contract"** shall mean a contract in which the United States (federal) Government provides financial funding as so designated in the Information for Bidders.
- 2.1.17 "Final Acceptance" shall mean final written acceptance of all the Work by the Commissioner, a copy of which shall be sent to the Contractor.
- 2.1.18 **"Final Approved Punch List"** shall mean a list, approved in writing by the Engineer, specifying those items of Work to be completed by the Contractor after Substantial Completion and dates for the completion of each item of Work.
- 2.1.19 "Law" or "Laws" shall mean the Constitution of the State of New York, the New York City Charter, the New York City Administrative Code, a Statute of the United States or

of the State of New York, a local law of the City of New York, any ordinance, rule or regulation having the force of law, or common law.

- 2.1.20 "Materialman" shall mean any corporation, firm, partnership, joint venture, or individual, other than employees of the Contractor, who or which contracts with the Contractor or any Subcontractor, to fabricate or deliver, or who actually fabricates or delivers, plant, materials or equipment to be incorporated in the Work.
- 2.1.21 "Means and Methods of Construction" shall mean the labor, materials, temporary structures, tools, plant, and construction equipment, and the manner and time of their use, necessary to accomplish the result intended by this Contract.
- 2.1.22 "Other Contractor(s)" shall mean any Contractor (other than the entity which executed this Contract or its Subcontractors) who has a contract with the City for work on or adjacent to the building or site of the Work.
- 2.1.23 **"Payroll Taxes"** shall mean State Unemployment Insurance ("SUI"), Federal Unemployment Insurance (FUI") and payments pursuant to the Federal Insurance Contributions Act ("FICA").
  - 2.1.24 "Project" shall mean the public improvement to which this Contract relates.
- 2.1.25 "Procurement Policy Board" (PPB) shall mean the Agency of the City of New York whose function is to establish comprehensive and consistent procurement policies and rules which shall have broad application throughout the City.
- 2.1.26 "Required Quantity" in a unit price Contract shall mean the actual quantity of any item of Work or materials which is required to be performed or furnished in order to comply with the Contract.
- 2.1.27 "Resident Engineer" shall mean the representative of the Commissioner duly designated by the Commissioner to be his/her representative at the site of the Work.
- 2.1.28 "Site" shall mean the area upon or in which the Contractor's operations are carried on, and such other areas adjacent thereto as may be designated as such by the Engineer.
- 2.1.29 "Specifications" shall mean all of the directions, requirements and standards of performance applying to the Work as hereinafter detailed and designated under the Specifications.
- 2.1.30 "Subcontractor" shall mean any person, firm or corporation, other than employees of the Contractor, who or which contracts with the Contractor or with its Subcontractors to furnish, or actually furnishes labor, or labor and materials, or labor and equipment, at the site. Wherever the word Subcontractor appears, it shall also mean Sub-Subcontractor.
- 2.1.31 "Substantial Completion" shall mean the written determination by the Commissioner that the Work required under this Contract is substantially, but not entirely, complete.
- 2.1.32 "Treasurer" shall mean the Commissioner of the Department of Finance of the City of New York.

2.1.33 "Work" shall mean all services required to complete the Project in accordance with the Contract Documents, including without limitation, labor, material, superintendence, management, administration, equipment, and incidentals, and shall include both Contract Work and Extra Work.

## CHAPTER II THE WORK AND ITS PERFORMANCE

#### ARTICLE 3. CHARACTER OF THE WORK

3.1 Unless otherwise expressly provided in the Contract Drawings, Specifications and Addenda, the Work shall be performed in accordance with the best modern practice, utilizing, unless otherwise specified in writing, new and unused materials of standard first grade quality and workmanship and design of the highest quality, to the satisfaction of the Commissioner.

# **ARTICLE 4. MEANS AND METHODS OF CONSTRUCTION**

- 4.1 Unless otherwise expressly provided in the Contract Drawings, Specifications and Addenda, the Means and Methods of Construction shall be such as the Contractor may choose; subject, however, to the Engineer's right to reject the Means and Methods of Construction proposed by the Contractor which in the opinion of the Engineer:
  - 4.1.1 Will constitute or create a hazard to the Work, or to persons or property; or
  - 4.1.2 Will not produce finished Work in accordance with the terms of the Contract; or
  - 4.1.3 Will be detrimental to the overall progress of the **Project**.
- 4.2 The Engineer's approval of the Contractor's Means and Methods of Construction, or his/her failure to exercise his/her right to reject such means or methods, shall not relieve the Contractor of its obligation to complete the Work as provided in this Contract; nor shall the exercise of such right to reject create a cause of action for damages.

# **ARTICLE 5. COMPLIANCE WITH LAWS**

- 5.1 The Contractor shall comply with all Laws applicable to this Contract and to the Work to be done hereunder.
- 5.2 Procurement Policy Board Rules: This **Contract** is subject to the Rules of the **PPB** ("**PPB** Rules") in effect at the time of the bid opening for this **Contract**. In the event of a conflict between the **PPB** Rules and a provision of this **Contract**, the **PPB** Rules shall take precedence.
  - 5.3 Noise control code provisions.
    - 5.3.1 In accordance with the provisions of Section 24-216(b) of the Administrative Code of the City ("Administrative Code"), Noise Abatement Contract Compliance, devices and activities which will be operated, conducted, constructed or manufactured pursuant to this Contract and which are subject to the provisions of the City Noise Control Code shall be operated, conducted, constructed, or manufactured without causing a violation of the Administrative Code. Such devices and activities shall incorporate advances in the art of noise control development for the kind and level of noise

emitted or produced by such devices and activities, in accordance with regulations issued by the **Commissioner** of the Department of Environmental Protection.

- 5.3.2 The Contractor agrees to comply with Section 24-219 of the Administrative Code of the City ("Administrative Code") and implementing rules codified at 15 Rules of the City of New York ("RCNY") Section 28-100 et. seq. In accordance with such provisions, the Contractor, if the Contractor is the responsible party under such regulations, shall prepare and post a Construction Noise Mitigation Plan at each work site, in which the Contractor shall certify that all construction tools and equipment have been maintained so that they operate at normal manufacturers operating specifications. If the Contractor cannot make this certification, it must have in place an Alternative Noise Mitigation Plan approved by the New York City Department of Environmental Protection. In addition, the Contractor's certified Construction Noise Mitigation Plan is subject inspection by the Department of Environmental Protection in accordance with 15 RCNY §28-101. No Contract work may take place at a worksite unless there is a Construction Noise Mitigation Plan or approved Alternative Noise Mitigation Plan in place. In addition, the Contractor shall create and implement a noise mitigation training program. Failure to comply with these requirements may result in fines and other penalties pursuant to the applicable provisions of the Administrative Code and RCNY.
- 5.4 Ultra Low Sulfur Diesel Fuel: In accordance with the provisions of Section 24-163.3 of the Administrative Code, the Contractor specifically agrees as follows:
  - 5.4.1 Definitions. For purposes of this Article 5.4, the following definitions apply:
  - 5.4.1(a) "Contractor" means any person or entity that enters into a Public Works Contract with a City agency, or any person or entity that enters into an agreement with such person or entity, to perform work or provide labor or services related to such Public Works Contract
  - 5.4.1(b) "Motor Vehicle" means any self-propelled vehicle designed for transporting persons or property on a street or highway.
  - 5.4.1(c) "Nonroad Engine" means an internal combustion engine (including the fuel system) that is not used in a Motor Vehicle or a vehicle used solely for competition, or that is not subject to standards promulgated under section 7411 or section 7521 of title 42 of the United States Code, except that this term shall apply to internal combustion engines used to power generators, compressors or similar equipment used in any construction program or project.
  - 5.4.1(d) "Nonroad Vehicle" means a vehicle that is powered by a Nonroad Engine, fifty horsepower and greater, and that is not a Motor Vehicle or a vehicle used solely for competition, which shall include, but not be limited to, excavators, backhoes, cranes, compressors, generators, bulldozers and similar equipment, except that this term shall not apply to horticultural maintenance vehicles used for landscaping purposes that are powered by a Nonroad Engine of sixty-five horsepower or less and that are not used in any construction program or project.
  - 5.4.1(e) "Public Works Contract" means a contract with a City agency for a construction program or project involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge; a contract with a City agency for the preparation for any construction program or project involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge; or a contract with a City agency for any final work involved in the completion of any construction program or project involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge.

5.4.1(f) "Ultra Low Sulfur Diesel Fuel" means diesel fuel that has a sulfur content of no more than fifteen parts per million.

#### 5.4.2 Ultra Low Sulfur Diesel Fuel

- 5.4.2(a) All Contractors shall use Ultra Low Sulfur Diesel Fuel in diesel-powered Nonroad Vehicles in the performance of this **Contract**.
- 5.4.2(b) Notwithstanding the requirements of Article 5.4.2(a), Contractors may use diesel fuel that has a sulfur content of no more than thirty parts per million to fulfill the requirements of this Article 5.4.2, where the Commissioner of the New York City Department of Environmental Protection ("DEP Commissioner") has issued a determination that a sufficient quantity of Ultra Low Sulfur Diesel Fuel is not available to meet the needs of City agencies and Contractors. Any such determination shall expire after six months unless renewed.
- 5.4.2(c) Contractors shall not be required to comply with this Article 5.4.2 where the agency letting this contract makes a written finding, which is approved, in writing, by the DEP Commissioner, that a sufficient quantity of Ultra Low Sulfur Diesel Fuel, or diesel fuel that has a sulfur content of no more than thirty parts per million is not available to meet the requirements of Section 24-163.3 of the Administrative Code, provided that such Contractor in its fulfillment of the requirements of this **Contract**, to the extent practicable, shall use whatever quantity of Ultra Low Sulfur Diesel Fuel or diesel fuel that has a sulfur content of no more than thirty parts per million is available. Any finding made pursuant to this subdivision shall expire after sixty days, at which time the requirements of this Article 5.4.2 shall be in full force and effect unless the Agency renews the finding in writing and such renewal is approved by the DEP Commissioner.
- 5.4.2(d) Contractors may check on determinations and approvals issued by the DEP Commissioner pursuant to Section 24-163.3 of the Administrative Code, if any, at <a href="https://www.dep.nyc.gov">www.dep.nyc.gov</a> or by contacting the Agency issuing this solicitation.
- 5.4.2(e) The requirements of this Article 5.4.2 do not apply where they are precluded by federal or State funding requirements or where the **Contract** is an emergency procurement.

#### 5.4.3 Best Available Technology

- 5.4.3(a) All Contractors shall utilize the best available technology for reducing the emission of pollutants for diesel-powered Nonroad Vehicles in the performance of this **Contract**. For determinations of best available technology for each type of diesel-powered Nonroad Vehicle, Contractors shall comply with the regulations of the City Department of Environmental Protection, as and when adopted, Chapter 14 of Title 15 of the Rules of the City of New York (RCNY). The Contractor shall fully document all steps in the best available technology selection process and shall furnish such documentation to the Agency or the DEP Commissioner upon request. The Contractor shall retain all documentation generated in the best available technology selection process for as long as the selected best available technology is in use.
- 5.4.3(b) No Contractor shall be required to replace best available technology for reducing the emission of pollutants or other authorized technology utilized for a diesel-powered Nonroad Vehicle in accordance with the provisions of this Article 5.4.3 within three years of having first utilized such technology for such vehicle.
- 5.4.3(c) This Article 5.4.3 shall not apply to any vehicle used to satisfy the requirements of a specific Public Works Contract for fewer than twenty calendar days.

- 5.4.3(d) The Contractor shall not be required to comply with this Article 5.4.3 with respect to a diesel-powered Nonroad Vehicle under the following circumstances:
  - 5.4.3(d)(1) Where the agency makes a written finding, which is approved, in writing, by the DEP Commissioner, that the best available technology for reducing the emission of pollutants as required by those paragraphs is unavailable for such vehicle, Contractor shall use whatever technology for reducing the emission of pollutants, if any, is available and appropriate for such vehicle.
  - 5.4.3(d)(2) Where the DEP Commissioner has issued a written waiver based upon the Contractor having demonstrated to the DEP Commissioner that the use of the best available technology for reducing the emission of pollutants might endanger the operator of such vehicle or those working near such vehicle, due to engine malfunction, Contractor shall use whatever technology for reducing the emission of pollutants, if any, is available and appropriate for such vehicle, which would not endanger the operator of such vehicle or those working near such vehicle.
  - 5.4.3(d)(3) In determining which technology to use for the purposes of Articles 5.4.3(d)(1) and 5.4.3(d)(2) above, Contractor shall primarily consider the reduction in emissions of particulate matter and secondarily consider the reduction in emissions of nitrogen oxides associated with the use of such technology, which shall in no event result in an increase in the emissions of either such pollutant.
  - 5.4.3(d)(4) Contractors shall submit requests for a finding or a waiver pursuant to this Article 5.4.3(d) in writing to the DEP Commissioner, with a copy to the ACCO of the Agency issuing the solicitation. Any finding or waiver made or issued pursuant to Articles 5.4.3(d)(1) and 5.4.3(d)(2) above shall expire after one hundred eighty days, at which time the requirements of Article 5.4.3(a) shall be in full force and effect unless the Agency renews the finding, in writing, and the DEP Commissioner approves such finding, in writing, or the DEP Commissioner renews the waiver, in writing.
- 5.4.3(e) The requirements of this Article 5.4.3 do not apply where they are precluded by federal or State funding requirements or where the contract is an emergency procurement.
- 5.4.4 Section 24-163 of the Administrative Code. Contractors shall comply with Section 24-163 of the Administrative Code related to the idling of the engines of motor vehicles while parking.

# 5.4.5 Compliance

- 5.4.5(a) Contractor's compliance with Article 5.4 may be independently monitored. If it is determined that the Contractor has failed to comply with any provision of Article 5.4, any costs associated with any independent monitoring incurred by the City shall be reimbursed by the Contractor.
- 5.4.5(b) Any Contractor who violates any provision of Article 5.4, except as provided in Article 5.4.5(c) below, shall be liable for a civil penalty between the amounts of one thousand and ten thousand dollars, in addition to twice the amount of money saved by such Contractor for failure to comply with Article 5.4.
- 5.4.5(c) No Contractor shall make a false claim with respect to the provisions of Article 5.4 to a City agency. Where a Contractor has been found to have done so, such Contractor shall be liable for a civil penalty of twenty thousand dollars, in addition to twice the amount of money saved by such Contractor in association with having made such false claim.

#### 5.4.6 Reporting

- 5.4.6(a) For all Public Works Contracts covered by this Article 5.4, the Contractor shall report to the Department the following information:
  - 5.4.6(1) The total number of diesel-powered Nonroad Vehicles used to fulfill the requirements of this Public Works Contract;
  - 5.4.6(2) The number of such Nonroad Vehicles that were powered by Ultra Low Sulfur Diesel Fuel;
  - 5.4.6(3) The number of such Nonroad Vehicles that utilized the best available technology for reducing the emission of pollutants, including a breakdown by vehicle model and the type of technology;
  - 5.4.6(4) The number of such Nonroad Vehicles that utilized such other authorized technology in accordance with Article 5.4.3, including a breakdown by vehicle model and the type of technology used for each such vehicle;
    - 5.4.6(5) The locations where such Nonroad Vehicles were used; and
  - 5.4.6(6) Where a determination is in effect pursuant to Article 5.4.2(b) or 5.4.2(c), detailed information concerning the Contractor's efforts to obtain Ultra Low Sulfur Diesel Fuel or diesel fuel that has a sulfur content of no more than thirty parts per million.
- 5.4.6(b) The Contractor shall submit the information required by Article 5.4.6(a) at the completion of work under the Public Works Contract and on a yearly basis no later than August 1 throughout the term of the Public Works Contract. The yearly report shall cover work performed the preceding fiscal year (July 1 June 30).
- 5.5 Ultra Low Sulfur Diesel Fuel. In accordance with the Coordinated Construction Act for Lower Manhattan, as amended:
  - 5.5.1 Definitions. For purposes of this Article 5.5, the following definitions apply:
  - 5.5.1(a) "Lower Manhattan" means the area to the south of and within the following lines: a line beginning at a point where the United States pierhead line in the Hudson river as it exists now or may be extended would intersect with the southerly line of West Houston street in the borough of Manhattan extended, thence easterly along the southerly side of West Houston street to the southerly side of Houston street, thence easterly along the southerly side of Houston street to the southerly side of East Houston street, thence northeasterly along the southerly side of East Houston street to the point where it would intersect with the United States pierhead line in the East river as it exists now or may be extended, including tax lots within or immediately adjacent thereto.
  - 5.5.1(b) "Lower Manhattan Redevelopment Project" means any project in Lower Manhattan that is funded in whole or in part with federal or State funding, or any project intended to improve transportation between Lower Manhattan and the two air terminals in the City of New York known as LaGuardia Airport and John F. Kennedy International Airport, or between Lower Manhattan and the air terminal in Newark known as Newark Liberty International Airport, and that is funded in whole or in part with federal funding.

- 5.5.1(c) "Nonroad Engine" means an internal combustion engine (including the fuel system) that is not used in a Motor Vehicle or a vehicle used solely for competition, or that is not subject to standards promulgated under section 7411 or section 7521 of title 42 of the United States Code, except that this term shall apply to internal combustion engines used to power generators, compressors or similar equipment used in any construction program or project.
- 5.5.1(d) "Nonroad Vehicle" means a vehicle that is powered by a Nonroad Engine, fifty horsepower and greater, and that is not a Motor Vehicle or a vehicle used solely for competition, which shall include, but not be limited to, excavators, backhoes, cranes, compressors, generators, bulldozers and similar equipment, except that this terms shall not apply to horticultural maintenance vehicles used for landscaping purposes that are powered by a Nonroad Engine of sixty-five horsepower or less and that are not used in any construction program or project.
- 5.5.1(e) "Ultra Low Sulfur Diesel Fuel" means diesel fuel that has a sulfur content of no more than fifteen parts per million.
- 5.5.2 Requirements. **Contractors** and **Subcontractors** are required to use only Ultra Low Sulfur Diesel Fuel to power the diesel-powered Nonroad Vehicles with engine horsepower (HP) rating of 50 HP and above used on a Lower Manhattan Redevelopment Project and, where practicable, to reduce the emission of pollutants by retrofitting such Nonroad Vehicles with oxidation catalysts, particulate filters, or technology that achieves lowest particulate matter emissions.
- 5.6 Pesticides. In accordance with Section 17-1209 of the Administrative Code, to the extent that the **Contractor** or any **Subcontractor** applies pesticides to any property owned or leased by the **City**, the **Contractor** and any **Subcontractor** shall comply with chapter 12 of the Administrative Code.

## **ARTICLE 6. INSPECTION**

- 6.1 During the progress of the Work and up to the date of Final Acceptance, the Contractor shall at all times afford the representatives of the City every reasonable, safe and proper facility for inspecting all Work done or being done at the Site and also for inspecting the manufacture or preparation of materials and equipment at the place of such manufacture or preparation.
- 6.2 The Contractor's obligation hereunder shall include the uncovering or taking down of finished Work and its restoration thereafter; provided, however, that the order to uncover, take down and restore shall be in writing, and further provided that if Work thus exposed proves satisfactory, and if the Contractor has complied with Article 6.1, such uncovering or taking down and restoration shall be considered an item of Extra Work to be paid for in accordance with the provisions of Article 26. If the Work thus exposed proves unsatisfactory, the City has no obligation to compensate the Contractor for the uncovering, taking down or restoration.
- 6.3 Inspection and approval by the Commissioner, the Engineer, Project Manager, or Resident Engineer, of finished Work or of Work being performed, or of materials and equipment at the place of manufacture or preparation, shall not relieve the Contractor of its obligation to perform the Work in strict accordance with the Contract. Finished or unfinished Work not found to be in strict accordance with the Contract shall be replaced as directed by the Engineer, even though such Work may have been previously approved and paid for. Such corrective work is Contract Work and shall not be deemed Extra Work.
- 6.4 Rejected **Work** and materials shall be promptly taken down and removed from the **Site**, which must at all times be kept in a reasonably clean and neat condition.

# ARTICLE 7. PROTECTION OF WORK AND OF PERSONS AND PROPERTY; NOTICES AND INDEMNIFICATION

- 7.1 During the performance of the Work and up to the date of Final Acceptance, the Contractor shall be under an absolute obligation to protect the finished and unfinished Work against any damage, loss, injury, theft and/or vandalism and in the event of such damage, loss, injury, theft and/or vandalism, it shall promptly replace and/or repair such Work at the Contractor's sole cost and expense, as directed by the Resident Engineer. The obligation to deliver finished Work in strict accordance with the Contract prior to Final Acceptance shall be absolute and shall not be affected by the Resident Engineer's approval of, or failure to prohibit, the Means and Methods of Construction used by the Contractor.
- 7.2 During the performance of the Work and up to the date of Final Acceptance, the Contractor shall take all reasonable precautions to protect the persons and property of the City and of others from damage, loss or injury resulting from the Contractor's, and/or its Subcontractors' operations under this Contract. The Contractor's obligation to protect shall include the duty to provide, place or replace and adequately maintain at or about the Site suitable and sufficient protection such as lights, barricades, and enclosures.
- 7.3 The Contractor shall comply with the notification requirements set forth below in the event of any loss, damage or injury to Work, persons or property, or any accidents arising out of the operations of the Contractor and/or its Subcontractors under this Contract.
  - 7.3.1 The Contractor shall make a full and complete report in writing to the Resident Engineer within three (3) Days after the occurrence.
  - 7.3.2 The Contractor shall notify in writing the commercial general liability insurance carrier, and, where applicable, the worker's compensation and/or other insurance carrier, of any such loss, damage, injury, or accident, and any claim or suit arising therefrom, immediately, but not later than 20 days after such event. The Contractor's notice to the commercial general liability insurance carrier must expressly specify that "this notice is being given on behalf of the City of New York as Additional Insured as well as [the Contractor] as Named Insured." The Contractor's notice to the insurance carrier shall contain the following information: the name of the Contractor, the number of the Contract, the date of the occurrence, the location (street address and borough) of the occurrence, and the identity of the persons or things injured, damaged or lost.
    - 7.3.2(a) At the time notice is provided to the insurance carrier(s), the **Contractor** shall provide copies of such notice to the **Comptroller** and the **Commissioner**. Notice to the **Comptroller** shall be sent to the Insurance Unit, NYC Comptroller's Office, 1 Centre Street Room 1222, New York, New York, 10007. Notice to the **Commissioner** shall be sent to the address set forth in Schedule A of the General Conditions.
    - 7.3.2(b) If the **Contractor** fails to provide any of the foregoing notices to any appropriate insurance carrier(s) in a timely and complete manner, the **Contractor** shall indemnify the City for all losses, judgments, settlements and expenses, including reasonable attorneys' fees, arising from an insurer's disclaimer of coverage citing late notice by or on behalf of the City.
- 7.4 To the fullest extent permitted by law, the **Contractor** shall indemnify, defend and hold the **City**, its employees and agents (the "Indemnitees") harmless against any and all claims (including but not limited to claims asserted by any employee of the **Contractor** and/or its **Subcontractors**) and costs and expenses of whatever kind (including but not limited to payment or reimbursement of attorneys' fees and disbursements) allegedly arising out of or in any way related to the operations of the **Contractor** and/or its **Subcontractors** in the performance of this **Contract** or from the **Contractor's** and/or its **Subcontractors'** failure to comply with any of the provisions of this **Contract** or of the **Law**. Such costs and expenses shall include all those incurred in defending the underlying claim and those incurred in connection with the enforcement of this Article 7.4 by way of cross-claim, third-party

claim, declaratory action or otherwise. The parties expressly agree that the indemnification obligation hereunder contemplates (1) full indemnity in the event of liability imposed against the Indemnitees without negligence and solely by reason of statute, operation of law or otherwise; and (2) partial indemnity in the event of any actual negligence on the part of the Indemnitees either causing or contributing to the underlying claim (in which case, indemnification will be limited to any liability imposed over and above that percentage attributable to actual fault whether by statute, by operation of law, or otherwise). Where partial indemnity is provided hereunder, all costs and expenses shall be indemnified on a pro rata basis.

- 7.4.1 Indemnification under Article 7.4 or any other provision of the **Contract** shall operate whether or not **Contractor** or its **Subcontractors** have placed and maintained the insurance specified under Article 22.
- 7.5 The Contractor waives all rights against the City for any damages or losses for which either is covered under any insurance required under Article 22 (whether or not such insurance is actually procured) or any other insurance applicable to the operations of the Contractor and/or its Subcontractors in the performance of this Contract.
- 7.6 The provisions of this Article shall not be deemed to create any new right of action in favor of third parties against the **Contractor** or the **City**.

# CHAPTER III TIME PROVISIONS

### ARTICLE 8. COMMENCEMENT AND PROSECUTION OF THE WORK

8.1 The Contractor shall commence Work on the date specified in a written notice signed by the Commissioner. The time for performance of the Work under the Contract shall be computed from the date specified in such written notice. TIME BEING OF THE ESSENCE to the City, the Contractor shall thereafter prosecute the Work diligently, using such Means and Methods of Construction as are in accord with Article 4 herein and as will assure its completion not later than the date specified herein, or on the date to which the time for completion may be extended.

### **ARTICLE 9. PROGRESS SCHEDULES**

- 9.1 To enable the Work to be performed in an orderly and expeditious manner, the Contractor, within fifteen (15) Days after the Notice to Proceed with this Contract, unless otherwise directed by the Engineer, shall submit to the Engineer a proposed progress schedule in the form of a bar graph or in such other form as specified by the Engineer, and monthly cash flow requirements, showing:
  - 9.1.1 The anticipated time of commencement and completion of each of the various operations to be performed under this **Contract**; and
  - 9.1.2 The sequence and interrelation of each of these operations with the others and with those of other related **Contracts**; and
  - 9.1.3 The estimated time required for fabrication or delivery, or both, of all materials and equipment required for the Work; and
    - 9.1.4 The estimated amount in dollars the **Contractor** will claim on a monthly basis.

- 9.2 The proposed schedule shall be revised as directed by the **Engineer**, until finally approved by the Engineer, and after such approval, subject to the provisions of Article 11, shall be strictly adhered to by the **Contractor**.
- 9.3 If the Contractor shall fail to adhere to the approved progress schedule, or to the schedule as revised pursuant to Article 11, it shall promptly adopt such other or additional Means and Methods of Construction as will make up for the time lost and will assure completion in accordance with the approved progress schedule. The approval by the City of a progress schedule which is shorter than the time allotted under the Contract shall not create any liability for the City if the approved progress schedule is not met.
  - 9.4 The Contractor will not receive any payments until the proposed progress schedule is submitted.

## ARTICLE 10. REQUESTS FOR INFORMATION OR APPROVAL

- 10.1 From time to time as the **Work** progresses and in the sequence indicated by the approved progress schedule, the **Contractor** shall submit to the **Engineer** a specific request in writing for each item of information or approval required by the **Contractor**. These requests shall state the latest date upon which the information or approval is actually required by the **Contractor**, and shall be submitted in a reasonable time in advance thereof to enable the **Engineer** a sufficient time to act upon such submissions, or any necessary re-submissions thereof.
- 10.2 The **Contractor** shall not have any right to an extension of time on account of delays due to the **Contractor's** failure to submit requests for the required information or the required approval in accordance with the above requirements.

# ARTICLE 11. NOTICE OF CONDITIONS CAUSING DELAY AND DOCUMENTATION OF DAMAGES CAUSED BY DELAY

- 11.1 After the commencement of any condition which is causing or may cause a delay in completion of the **Work**, including conditions for which the **Contractor** may be entitled to an extension of time, the following notifications and submittals are required:
  - 11.1.1 Within seven (7) **Days** after the commencement of such condition, the **Contractor** must notify the **Engineer** in writing of the existence, nature and effect of such condition upon the approved progress schedule and the **Work**, and must state why and in what respects, if any, the condition is causing or may cause a delay.
  - 11.1.2 If the Contractor shall claim to be sustaining damages for delay, by reason of any act or omission of the City or its agents, it shall submit to the Commissioner within forty-five (45) Days from the time such damages are first incurred, and every thirty (30) Days thereafter for as long as such damages are incurred, verified statements of the details and the amounts of such damages, together with documentary evidence of such damages. The Contractor may submit any of the above statements within such additional time as may be granted by the Commissioner in writing upon written request therefor. Failure of the Commissioner to respond in writing to a written request for additional time within thirty (30) Days shall be deemed a denial of the request. On failure of the Contractor to fully comply with the foregoing provisions, such claims shall be deemed waived and no right to recover on such claims shall exist. Damages that the Contractor may claim in any action arising under or by reason of this Contract shall not be different from or in excess of the statements made and documentation provided pursuant to this article.

- 11.2 Failure of the **Contractor** to strictly comply with the requirements of Article 11.1.1 may, in the discretion of the **Commissioner**, be deemed sufficient cause to deny any extension of time on account of delay arising out of such condition. Failure of the **Contractor** to strictly comply with the requirements of Articles 11.1.1 and 11.1.2 shall be deemed a conclusive waiver by the **Contractor** of any and all claims for damages for delay arising from such condition and no right to recover on such claims shall exist.
- 11.3 When appropriate and directed by the **Engineer**, the progress schedule shall be revised by the **Contractor** until finally approved by the **Engineer**. The revised progress schedule must be strictly adhered to by the **Contractor**.

#### **ARTICLE 12. COORDINATION WITH OTHER CONTRACTORS**

- 12.1 During the progress of the Work, Other Contractors may be engaged in performing other work or may be awarded other contracts for additional work on this Project. In that event, the Contractor shall coordinate the Work to be done hereunder with the work of such Other Contractors and the Contractor shall fully cooperate with such Other Contractors and carefully fit its own Work to that provided under other contracts as may be directed by the Engineer. The Contractor shall not commit or permit any act which will interfere with the performance of work by any Other Contractors.
- 12.2 If the **Engineer** shall determine that the **Contractor** is failing to coordinate its **Work** with the work of **Other Contractors** as the **Engineer** has directed, then the **Commissioner** shall have the right to withhold any payments otherwise due hereunder until the **Contractor** completely complies with the **Engineer's** directions.
- 12.3 The Contractor shall notify the Engineer in writing if any Other Contractor on this Project is failing to coordinate its work with the Work of this Contract. If the Engineer finds such charges to be true, the Engineer shall promptly issue such directions to the Other Contractor with respect thereto as the situation may require. The City shall not, however, be liable for any damages suffered by any Other Contractor's failure to coordinate its work with the Work of this Contract or by reason of the Other Contractor's failure to promptly comply with the directions so issued by the Engineer, or by reason of any Other Contractor's default in performance, it being understood that the City does not guarantee the responsibility or continued efficiency of any contractor. The Contractor agrees to make no claim against the City for any damages relating to or arising out of any directions issued by the Engineer pursuant to this article (including but not limited to the failure of any Other Contractor to comply or promptly comply with such directions), or the failure of the Engineer to issue any directions, or the failure of any Other Contractor to coordinate its work, or the default in performance of any Other Contractor.
- 12.4 The Contractor shall indemnify and hold the City harmless from any and all claims or judgments for damages and from costs and expenses to which the City may be subjected or which it may suffer or incur by reason of the Contractor's failure to comply with the Engineer's directions promptly; and the Comptroller shall have the right to exercise the powers reserved in Article 23 with respect to any claims which may be made for damages due to this Contractor's failure to comply with the Engineer's direction promptly. Insofar as the facts and Law relating to any claim would preclude the City from being completely indemnified by the Contractor, the City shall be partially indemnified by the Contractor to the fullest extent provided by Law.
- 12.5 Should the Contractor sustain any damage through any act or omission of any Other Contractor having a contract with the City for the performance of work upon the Site or of work which may be necessary to be performed for the proper prosecution of the Work to be performed hereunder, or through any act or omission of a Subcontractor of such Contractor, the Contractor shall have no claim against the City for such damage, but shall have a right to recover such damage from the Other Contractor under the provision similar to the following provisions which apply to this Contract and have been or will be inserted in the contracts with such Other Contractors:

- 12.5.1 Should any Other Contractor having or who shall hereafter have a contract with the City for the performance of work upon the Site sustain any damage through any act or omission of the Contractor hereunder or through any act or omission of any Subcontractor of the Contractor, the Contractor agrees to reimburse such Other Contractor for all such damages and to defend at its own expense any suit based upon such claim and if any judgment or claims (even if the allegations of the suit are without merit) against the City shall be allowed the Contractor shall pay or satisfy such judgment or claim and pay all costs and expenses in connection therewith and agrees to indemnify and hold the City harmless from all such claims. Insofar as the facts and Law relating to any claim would preclude the City from being completely indemnified by the Contractor, the City shall be partially indemnified by the Contractor to the fullest extent provided by Law.
- 12.6 The City's right to indemnification hereunder shall in no way be diminished, waived or discharged, by its recourse to assessment of liquidated damages as provided in Article 15, or by the exercise of any other remedy provided for by Contract or by Law.

## **ARTICLE 13. EXTENSION OF TIME FOR PERFORMANCE**

- 13.1 If performance by the **Contractor** is delayed for a reason set forth in Article 13.3, the **Contractor** may be allowed a reasonable extension of time in conformance with this article and the **PPB** Rules.
- 13.2 Any extension of time may be granted only by the **Commissioner** or by the Board for the Extension of Time (hereafter "Board") (as set forth below) upon written application by the **Contractor**.
- 13.3 Grounds for Extension: If such application is made, the **Contractor** shall be entitled to an extension of time for delay in completion of the **Work** caused solely:
  - 13.3.1 By the acts or omissions of the City, its officers, agents or employees; or
  - 13.3.2 By the act or omissions of Other Contractors on this Project; or
  - 13.3.3 By supervening conditions entirely beyond the control of either party hereto (such as, but not limited to, acts of God or the public enemy, excessive inclement weather, war or other national emergency making performance temporarily impossible or illegal, or strikes or labor disputes not brought about by any act or omission of the **Contractor**).
  - 13.3.4 The **Contractor** shall, however, be entitled to an extension of time for such causes only for the number of **Days** of delay which the **Commissioner** or the Board may determine to be due solely to such causes, and then only if the **Contractor** shall have strictly complied with all of the requirements of Articles 9 and 10.
- 13.4 The Contractor shall not be entitled to receive a separate extension of time for each of several causes of delay operating concurrently, but, if at all, only for the actual period of delay in completion of the Work as determined by the Commissioner or the Board, irrespective of the number of causes contributing to produce such delay. If one of several causes of delay operating concurrently results from any act, fault or omission of the Contractor or of its Subcontractors or Materialmen, and would of itself (irrespective of the concurrent causes) have delayed the Work, no extension of time will be allowed for the period of delay resulting from such act, fault or omission.
- 13.5 The determination made by the **Commissioner** or the Board on an application for an extension of time shall be binding and conclusive on the **Contractor**.

- 13.6 The granting of an application for an extension of time for causes of delay other than those herein referred to shall be entirely within the discretion of the **Commissioner** or the Board.
- 13.7 Permitting the **Contractor** to continue with the **Work** after the time fixed for its completion has expired, or after the time to which such completion may have been extended has expired, or the making of any payment to the **Contractor** after such time, shall in no way operate as a waiver on the part of the **City** of any of its rights under this **Contract**.
  - 13.8 Application for Extension of Time:
    - 13.8.1 Before the **Contractor's** time extension request will be considered, the **Contractor** shall notify the **Commissioner** of the condition which allegedly has caused or is causing the delay, and shall submit a written application to the **Commissioner** identifying:
      - 13.8.1(a) The Contractor; the registration number; and Project description;
      - 13.8.1(b) Liquidated damage assessment rate, as specified in the Contract;
      - 13.8.1(c) Original bid amount;
      - 13.8.1(d) The original Contract start date and completion date;
      - 13.8.1(e) Any previous time extensions granted (number and duration); and
      - 13.8.1(f) The extension of time requested.
      - 13.8.2 In addition, the application for extension of time shall set forth in detail:
        - 13.8.2(a) The nature of each alleged cause of delay in completing the Work;
        - 13.8.2(b) The date upon which each such cause of delay began and ended and the number of **Days** attributable to each such cause;
        - 13.8.2(c) A statement that the **Contractor** waives all claims except for those delineated in the application, and the particulars of any claims which the **Contractor** does not agree to waive. For time extensions for **Substantial Completion** and final completion payments, the application shall include a detailed statement of the dollar amounts of each element of claim item reserved; and
        - 13.8.2(d) A statement indicating the **Contractor's** understanding that the time extension is granted only for purposes of permitting continuation of **Contract** performance and payment for **Work** performed and that the **City** retains its right to conduct an investigation and assess liquidated damages as appropriate in the future.
  - 13.9 Analysis and Approval of Time Extensions:
    - 13.9.1 For time extensions for partial payments, a written determination shall be made by the **Commissioner** who may, for good and sufficient cause, extend the time for the performance of the **Contract** as follows:
      - 13.9.1(a) If the **Work** is to be completed within six (6) months, the time for performance may be extended for sixty (60) **Days**;

- 13.9.1(b) If the **Work** is to be completed within less than one (1) year but more than six (6) months, an extension of ninety (90) **Days** may be granted;
- 13.9.1(c) If the **Contract** period exceeds one (1) year, besides the extension granted in Article 13.9.1(b), an additional thirty (30) **Days** may be granted for each multiple of six (6) months involved beyond the one (1) year period; or
- 13.9.1(d) If exceptional circumstances exist, the **Commissioner** may extend the time for performance beyond the extensions in Articles 13.9.1(a), 13.9.1(b), and 13.9.1(c). In that event, the **Commissioner** shall file with the Mayor's Office of Contract Services a written explanation of the exceptional circumstances.
- 13.9.2 For extensions of time for **Substantial Completion** and final completion payments, the **Engineer**, in consultation with the **Commissioner**, shall prepare a written analysis of the delay (including a preliminary determination of the causes of delay, the beginning and end dates for each such cause of delay, and whether the delays are excusable under the terms of this **Contract**). The report shall be subject to review by and approval of the Board, which shall have authority to question its analysis and determinations and request additional facts or documentation. The report as reviewed and made final by the Board shall be made a part of the **Agency Contract** file. Neither the report itself nor anything contained therein shall operate as a waiver or release of any claim the **City** may have against the **Contractor** for either actual or liquidated damages.
- 13.9.3 Approval Mechanism for Time Extensions for **Substantial Completion** or Final Completion Payments: An extension shall be granted only with the approval of the Board which is comprised of the **ACCO** of the **Agency**, the Corporation Counsel and the **Comptroller**, or their authorized representatives.
- 13.9.4 Neither the granting of any application for an extension of time to the **Contractor** or any other **Contractor** on this **Project** nor the papers, records or reports related to any application for or grant of an extension of time or determination related thereto shall be referred to or offered in evidence by the **Contractor** or its attorneys in any action or proceeding.
- 13.10 No Damage for Delay: The **Contractor** agrees to make no claim for damages for delay in the performance of this **Contract** occasioned by any act or omission to act of the **City** or any of its representatives, and agrees that all it may be entitled to on account of any such delay is an extension of time to complete performance of the **Work** as provided herein.

#### ARTICLE 14. COMPLETION AND FINAL ACCEPTANCE OF THE WORK

- 14.1 Date for **Substantial Completion**: The **Contractor** shall substantially complete the **Work** within the time fixed in Schedule A of the General Conditions, or within the time to which such **Substantial Completion** may be extended.
- 14.2 Determining the Date of **Substantial Completion**: The **Work** will be deemed to be substantially complete when the two conditions set forth in Articles 14.2.1 and 14.2.2 have been met. The **Commissioner** will then issue a Certificate of **Substantial Completion**.
  - 14.2.1 Inspection: The **Engineer** has inspected the **Work** and has made a written determination that it is substantially complete.

- 14.2.2 Approval of Final Punch List and Date for Final Acceptance: Following inspection of the Work, the Engineer shall furnish the Contractor a final punch list, specifying all items of Work to be completed. The Contractor shall then submit to the Engineer dates for the completion of each specified item of Work. Within a reasonable time after receipt, the Engineer, in a written notification to the Contractor, shall approve the Contractor's completion dates or, if they are unable to agree, shall establish dates for the completion of each item of Work. The latest completion date specified shall be the date for Final Acceptance of the Work.
- 14.3 Determining the Date of Final Acceptance: The Work will be accepted as final and complete as of the date of the Engineer's inspection if, upon such inspection, the Engineer finds that all items on the Final Approved Punch List are complete and no further Work remains to be done. The Commissioner will then issue a written determination of Final Acceptance.
- 14.4 Request for Inspection: Inspection of the Work by the Engineer for the purpose of Substantial Completion or Final Acceptance shall be made within ten (10) Days after receipt of the Contractor's written request therefor.
- 14.5 Request for Re-inspection: If upon inspection for the purpose of Substantial Completion or Final Acceptance, the Engineer determines that there are items of Work still to be performed, the Contractor shall promptly perform them and then request a re-inspection. If upon re-inspection, the Engineer determines that the Work is substantially complete or finally accepted, the date of such re-inspection shall be the date of Substantial Completion or Final Acceptance. Re-inspection by the Engineer shall be made within ten (10) Days after receipt of the Contractor's written request therefor.
- 14.6 Initiation of Inspection by the Engineer: If the Contractor does not request inspection or reinspection of the Work for the purpose of Substantial Completion or Final Acceptance, the Engineer may initiate such inspection or re-inspection.

### **ARTICLE 15. LIQUIDATED DAMAGES**

- 15.1 In the event the Contractor fails to complete the Work within the time fixed for such completion in Schedule A of the General Conditions, plus authorized time extensions, or if the Contractor, in the sole determination of the Commissioner, has abandoned the Work, the Contractor shall pay to the City the sum fixed in Schedule A of the General Conditions, for each and every Day that the time consumed in completing the Work exceeds the time allowed therefor; which said sum, in view of the difficulty of accurately ascertaining the loss which the City will suffer by reason of delay in the completion of the Work hereunder, is hereby fixed and agreed as the liquidated damages that the City will suffer by reason of such delay, and not as a penalty. This article shall apply to the Contractor if it is defaulted pursuant to Chapter X of this Contract. Neither the failure to assess liquidated damages nor the granting of any time extension shall operate as a waiver or release of any claim the City may have against the Contractor for either actual or liquidated damages.
- 15.2 Liquidated damages received hereunder are not intended to be nor shall they be treated as either a partial or full waiver or discharge of the City's right to indemnification, or the Contractor's obligation to indemnify the City, or to any other remedy provided for in this Contract or by Law.
- 15.3 The **Commissioner** may deduct and retain out of the monies which may become due hereunder, the amount of any such liquidated damages; and in case the amount which may become due hereunder shall be less than the amount of liquidated damages suffered by the **City**, the **Contractor** shall be liable to pay the difference.

## **ARTICLE 16. OCCUPATION OR USE PRIOR TO COMPLETION**

- 16.1 Unless otherwise provided for in the specifications, the Commissioner may take over, use, occupy or operate any part of the Work at any time prior to Final Acceptance, upon written notification to the Contractor. The Engineer shall inspect the part of the Work to be taken over, used, occupied, or operated, and will furnish the Contractor with a written statement of the Work, if any, which remains to be performed on such part. The Contractor shall not object to, nor interfere with, the Commissioner's decision to exercise the rights granted by this article. In the event the Commissioner takes over, uses, occupies, or operates any part of the Work:
  - 16.1.1 the Commissioner shall issue a written determination of Substantial Completion with respect to such part of the Work;
  - 16.1.2 the **Contractor** shall be relieved of its absolute obligation to protect such part of the unfinished **Work** in accordance with Article 7;
  - 16.1.3 the Contractor's guarantee on such part of the Work shall begin on the date of such use by the City; and;
  - 16.1.4 the Contractor shall be entitled to a return of so much of the amount retained in accordance with Article 21 as it relates to such part of the Work, except so much thereof as may be retained under Articles 24 and 44.

## CHAPTER IV SUBCONTRACTS AND ASSIGNMENTS

#### **ARTICLE 17. SUBCONTRACTS**

- 17.1 The Contractor shall not make subcontracts totaling an amount more than the percentage of the total Contract price fixed in Schedule A of the General Conditions, without prior written permission from the Commissioner. All subcontracts made by the Contractor shall be in writing. No work may be performed by a Subcontractor prior to the Contractor entering into a written subcontract with the Subcontractor and complying with the provisions of this Article 17.
- 17.2 Before making any subcontracts, the **Contractor** shall submit a written statement to the **Commissioner** giving the name and address of the proposed **Subcontractor**, the portion of the **Work** and materials which it is to perform and furnish, the cost of the subcontract, the VENDEX questionnaire if required, and any other information tending to prove that the proposed **Subcontractor** has the necessary facilities, skill, integrity, past experience and financial resources to perform the **Work** in accordance with the terms and conditions of this **Contract**.
- 17.3 If an approved **Subcontractor** elects to subcontract any portion of its subcontract, the proposed subsubcontract shall be submitted in the same manner as directed above.
- 17.4 The Commissioner will notify the Contractor in writing whether the proposed Subcontractor is qualified or not qualified. If the proposed Subcontractor is not qualified, the Contractor may submit another proposed Subcontractor unless the Contractor decides to do the Work. No Subcontractor shall be permitted on the Site unless approved.
- 17.5 Before entering into any subcontract hereunder, the Contractor shall inform the Subcontractor fully and completely of all provisions and requirements of this Contract relating either directly or indirectly to the Work to be performed and the materials to be furnished under such subcontract, and every such Subcontractor shall

expressly stipulate that all labor performed and materials furnished by the **Subcontractor** shall strictly comply with the requirements of this **Contract**.

- 17.6 Documents given to a **Subcontractor** for the purpose of soliciting the **Subcontractor's** bid shall include either a copy of the bid cover or a separate information sheet setting forth the **Project** name, the **Contract** number (if available), the **Agency** (as noted in Article 2.1.6), and the **Project's** location.
- 17.7 The Commissioner's approval of a Subcontractor shall not relieve the Contractor of any of its responsibilities, duties and liabilities hereunder. The Contractor shall be solely responsible to the City for the acts or defaults of its Subcontractor and of such Subcontractor's officers, agents and employees, each of whom shall, for this purpose, be deemed to be the agent or employee of the Contractor to the extent of its subcontract.
- 17.8 The Contractor shall be responsible for ensuring that all Subcontractors performing Work at the Site have either their own insurance coverage or are covered by the Contractor's insurance as required by Article 22.
- 17.9 The Contractor shall promptly, upon request, file with the Engineer a conformed copy of the subcontract and its cost. The subcontract shall provide the following:
  - 17.9.1 Payment to Subcontractors: The agreement between the Contractor and its Subcontractors shall contain the same terms and conditions as to method of payment for Work, labor and materials, and as to retained percentages, as are contained in this Contract.
  - 17.9.2 Prevailing Rate of Wages: The agreement between the **Contractor** and its **Subcontractors** shall include the prevailing wage rates and supplemental benefits to be paid in accordance with Labor Law Section 220.
  - 17.9.3 Section 6-123 of the Administrative Code: Pursuant to the requirements of Section 6-123 of the Administrative Code, every agreement between the **Contractor** and its **Subcontractors** in excess of \$50,000 shall include a provision that the **Subcontractor** shall not engage in any unlawful discriminatory practice as defined in Title VIII of the Administrative Code (Section 8-101 et. seq.).
- 17.10 The Commissioner may deduct from the amounts certified under this Contract to be due to the Contractor, the sum or sums due and owing from the Contractor to the Subcontractors according to the terms of the said subcontracts, and in case of dispute between the Contractor and its Subcontractor, or Subcontractors, as to the amount due and owing, the Commissioner may deduct and withhold from the amounts certified under this Contract to be due to the Contractor such sum or sums as may be claimed by such Subcontractor, or Subcontractors, in a sworn affidavit, to be due and owing until such time as such claim or claims shall have been finally adjusted.
- 17.11 On Contracts where 100% performance bonds and payment bonds are executed, the Contractor shall include on each requisition for payment the following data: Subcontractor's name, value of the subcontract, total amount previously paid to Subcontractor for Work previously requisitioned, and the amount, including retainage, to be paid to the Subcontractor for Work included in the requisition.
- 17.12 On Contracts where performance bonds and payment bonds are not executed, the Contractor shall include with each requisition for payment submitted hereunder, a signed statement from each and every Subcontractor and/or Materialman for whom payment is requested in such requisition. Such signed statement shall be on the letterhead of the Subcontractor and/or Materialman for whom payment is requested and shall (i) verify that such Subcontractor and/or Materialman has been paid in full for all work performed and/or material supplied to date, exclusive of any amount retained and any amount included on the current requisition, and (ii) state the total amount of retainage to date, exclusive of any amount retained on the current requisition.

#### **ARTICLE 18. ASSIGNMENTS**

- 18.1 The Contractor shall not assign, transfer, convey or otherwise dispose of this Contract, or the right to execute it, or the right, title or interest in or to it or any part thereof, or assign, by power of attorney or otherwise any of the monies due or to become due under this Contract, unless the previous written consent of the Commissioner shall first be obtained thereto, and the giving of any such consent to a particular assignment shall not dispense with the necessity of such consent to any further or other assignments.
- 18.2 Such assignment, transfer, or conveyance shall not be valid until filed in the office of the **Commissioner** and the **Treasurer**, with the written consent of the **Commissioner** endorsed thereon or attached thereto.
- 18.3 Failure to obtain the previous written consent of the **Commissioner** to such an assignment, transfer or conveyance, may result in the revocation and annulment of this **Contract**. The **City** shall thereupon be relieved and discharged from any further liability to the **Contractor**, its assignees, transferees or sublessees, who shall forfeit and lose all monies therefor earned under the **Contract**, except so much as may be required to pay the **Contractor's** employees.
- 18.4 The provisions of this clause shall not hinder, prevent, or affect an assignment by the Contractor for the benefit of its creditors made pursuant to the Laws of the State of New York.
- 18.5 This **Contract** may be assigned by the **City** to any corporation, agency or instrumentality having authority to accept such assignment.

# CHAPTER V CONTRACTOR'S SECURITY AND GUARANTY

#### **ARTICLE 19. SECURITY DEPOSIT**

- 19.1 The bid deposit, if required, shall be retained by the Comptroller as security for the Contractor's faithful performance of the Contract and will be returned to the Contractor only after the sum retained under Article 21 equals the amount of the bid deposit, subject to the other provisions of this Contract. If performance and payment bonds are required, any bid security posted shall be returned within a reasonable time after posting of such bonds and execution of this Contract by the City. When no partial payments are provided, the bid deposit will be released when final payment is certified to the Comptroller for payment.
- 19.2 If the **Contractor** is declared in default under Article 48 prior to the return of the deposit, or if any claim is made such as referred to in Article 23, the amount of such deposit, or so much thereof as the **Comptroller** may deem necessary, may be retained and then applied by the **Comptroller**:
  - 19.2.1 To compensate the **City** for any expense, loss or damage suffered or incurred by reason of or resulting from such default, including the cost of re-letting and liquidated damages; or
    - 19.2.2 To indemnify the City against any and all claims.

### **ARTICLE 20. PAYMENT GUARANTEE**

20.1 On Contracts where 100% performance bonds and payment bonds are executed, this article does not apply.

- 20.2 In the event the terms of this **Contract** do not require the **Contractor** to provide a payment bond, the **City** shall, in accordance with the terms of this article, guarantee payment of all lawful demands for:
  - 20.2.1 Wages and compensation for labor performed and/or services rendered; and
  - 20.2.2 Materials, equipment, and supplies provided, whether incorporated into the **Work** or not, when demands have been filed with the **City** as provided hereinafter by any person, firm, or corporation which furnished labor, material, equipment, supplies, or any combination thereof, in connection with the **Work** performed hereunder (hereinafter referred to as the "beneficiary") at the direction of the **City** or the **Contractor**.
  - 20.3 The provisions of Article 20.2 are subject to the following limitations and conditions:
    - 20.3.1 The guarantee is made for the benefit of all beneficiaries as defined in Article 20.2 provided that those beneficiaries strictly adhere to the terms and conditions of this Article 20.3.
    - 20.3.2 Nothing in this article shall prevent a beneficiary providing labor, services or material for the **Work** from suing the **Contractor** for any amounts due and owing the beneficiary by the **Contractor**.
    - 20.3.3 All demands made against the City pursuant to this article shall be made within four (4) months from the date payment is due on the invoice or invoices submitted by the beneficiary to the Contractor for labor or Work done or for materials or supplies delivered, or, if the demand is for wages, four (4) months from the date the wages were due to be paid to the beneficiary.
- 20.3.4 All demands made against the City by such beneficiary shall be presented to the Engineer along with all written documentation concerning the demand which the Engineer deems appropriate or necessary, which may include, but shall not be limited to: the subcontract; any invoices presented to the Contractor for payment; the notarized statement of the beneficiary that the demand is due and payable, that a request for payment has been made of the Contractor and that the demand has not been paid by the Contractor within the time allowed for such payment by the subcontract; and copies of any correspondence between the beneficiary and the Contractor concerning such demand. The City shall notify the Contractor that a demand has been made. The Contractor shall inform the City of any defenses to the demand, and shall forward to the City any documents the City requests concerning the demand.
  - 20.3.5 The City shall make payment only if, after considering all defenses presented by the Contractor, it determines that the payment is due and owing to the beneficiary making the demand.
  - 20.3.6 The **City** will not initiate the payment process of this article or make payment on a demand where the beneficiary making the demand has filed a lien against the **Work** or otherwise sues the **City** prior to receiving a written notice from the **City** that it will not pay the demand.
  - 20.3.7 No beneficiary shall be entitled to interest from the City, or to any other costs, including, but not limited to, attorney's fees.
- 20.4 Upon the receipt by the City of a demand pursuant to this article, the City may withhold from any payment otherwise due and owing to the Contractor under this Contract an amount sufficient to satisfy the demand.
  - 20.4.1 In the event the City determines that the demand is valid, the City shall notify the Contractor of such determination and the amount thereof, and direct the Contractor to immediately pay such amount to the beneficiary. In the event the Contractor, within seven (7) days of receipt of such notification from the City, fails to pay the beneficiary, such failure shall constitute an automatic

and irrevocable assignment of payment by the **Contractor** to the beneficiary for the amount of the demand determined by the **City** to be valid. The **Contractor**, without further notification or other process, hereby gives its unconditional consent to such assignment of payment to the beneficiary and authorizes the **City**, on its behalf, to take all necessary actions to implement such assignment of payment, including without limitation the execution of any instrument or documentation necessary to effectuate such assignment.

In the event that the amount otherwise due and owing to the Contractor by the City is insufficient to satisfy such demand, the City may, at its option, require payment from the Contractor of an amount sufficient to cover such demand and exercise any other right to require or recover payment which the City may have under Law or Contract.

- 20.4.2 In the event the **City** determines that the demand is invalid, any amount withheld pending the City's review of such demand shall be paid to the **Contractor**; provided, however, no lien has been filed. In the event a lien has been filed, the terms and conditions set forth in Article 23 shall apply.
- 20.5 The provisions of this article shall not prevent the **City** and the **Contractor** from resolving disputes in accordance with the **PPB** Rules, where applicable.
- 20.6 In the event the City determines that the beneficiary is entitled to payment pursuant to this article, such determination and any defenses and counterclaims raised by the Contractor shall be taken into account in evaluating the Contractor's performance.
- 20.7 Nothing in this article shall relieve the **Contractor** of the obligation to pay the claims of all persons with valid and lawful claims against the **Contractor** relating to the **Work**.
- 20.8 The Contractor shall not require any performance, payment or other bonds of any Subcontractor if this Contract does not require such bonds of the Contractor.
- 20.9 The payment guarantee made pursuant to this article shall be construed in a manner consistent with Section 137 of the State Finance Law and shall afford to persons furnishing labor or materials to the Contractor or his Subcontractors in the prosecution of the Work under this Contract all of the rights and remedies afforded to such persons by such section, including but not limited to, the right to commence an action against the City on the payment guarantee provided by this article within the one year limitations period set forth in Section 137(4)(b).

#### **ARTICLE 21. RETAINED PERCENTAGE**

- 21.1 If this Contract requires 100% performance and payment security, then as further security for the faithful performance of this Contract, the Commissioner shall deduct, and retain until the substantial completion of the Work, five (5%) percent of the value of Work certified for payment in each partial payment voucher.
- 21.2 If this Contract does not require 100% performance and payment security and if the price for which this Contract was awarded does not exceed \$500,000, then as further security for the faithful performance of this Contract, the Commissioner shall deduct, and retain until the substantial completion of the Work, ten (10%) percent of the value of Work certified for payment in each partial payment voucher.
- 21.3 If this Contract does not require 100% performance and payment security and if the price for which this Contract was awarded exceeds \$500,000, then as further security for the faithful performance of this Contract, the Commissioner shall deduct, and retain until the substantial completion of the Work, up to ten (10%) percent of the value of Work certified for payment in each partial payment voucher. The percentage to be retained is set forth in Schedule A of the General Conditions.

### **ARTICLE 22. INSURANCE**

- 22.1 Types of Insurance: From the date the **Contractor** is required to provide Proof of Insurance pursuant to Article 22.3.1 through the date of completion of all required **Work** (including punch list work as certified in writing by the **Resident Engineer**), the **Contractor** shall effect and maintain the following types of insurance if and as indicated in Schedule A of the General Conditions (with the minimum limits and special conditions specified in Schedule A). Such insurance shall be issued by companies that meet the standards of Article 22.2.1 and shall be primary (and non-contributing) to any insurance or self-insurance maintained by the **City**.
  - 22.1.1 Commercial General Liability Insurance: The Contractor shall provide a Commercial General Liability Insurance policy covering the Contractor as Named Insured and the City as an Additional Insured. This policy shall protect the City and the Contractor from claims for property damage and/or bodily injury, including death, which may arise from any of the operations under this Contract. Coverage under this policy shall be at least as broad as that provided by ISO Form CG 0001 (10/01 ed.), must be "occurrence" based rather than "claims-made", and shall include, without limitation, the following types of coverage: Premises Operations, Products and Completed Operations, Contractual Liability (including the tort liability of another assumed in a contract), Broad Form Property Damage, Medical Payments, Independent Contractors, Personal Injury (Contractual Exclusion deleted), Explosion, Collapse and Underground Property, and Incidental Malpractice. If such insurance contains an aggregate limit, it shall apply separately to this **Project**.
    - 22.1.1(a) Such Commercial General Liability Insurance shall name the City, together with its officials and employees, as an Additional Insured under this policy. Coverage for the City as Additional Insured shall specifically include the City's officials and employees, and shall be at least as broad as either Insurance Services Office ("ISO") Form CG 20 10 (07/04 ed.) or Form CG 20 33 (07/04 ed.) and shall provide completed operations coverage at least as broad as CG 20 37 (07/04 ed.).
    - 22.1.1(b) If this **Contract** is equal to or greater than Ten Million Dollars (\$10,000,000.00), each Commercial General Liability Insurance policy provided shall contain each of the following endorsements:
      - 22.1.1(b)(i) The Duties in the Event of Occurrence, Claim or Suit condition of the policy is amended per the following: If and insofar as knowledge of an "occurrence", "claim", or "suit" is relevant to the City of New York as Additional Insured under this policy, such knowledge by an agent, servant, official, or employee of the City of New York will not be considered knowledge on the part of the City of New York of the "occurrence", "claim", or "suit" unless the following position shall have received notice thereof from such agent, servant, official, or employee: Insurance Claims Specialist, Affirmative Litigation Division, New York City Law Department; and
      - 22.1.1(b)(ii) Any notice, demand or other writing by or on behalf of the Named Insured to the Insurance Company shall also be deemed to be a notice, demand, or other writing on behalf of the City as Additional Insured. Any response by the Insurance Company to such notice, demand or other writing shall be addressed to Named Insured and to the City at the following addresses: Insurance Unit, NYC Comptroller's Office, 1 Centre Street Room 1222, New York, N.Y. 10007; and Insurance Claims Specialist, Affirmative Litigation Division, New York City Law Department, 100 Church Street, New York, NY 10007.

- 22.1.2 Workers' Compensation Insurance and Disability Benefits Insurance: The Contractor shall provide, and ensure that each Subcontractor provides, Workers Compensation Insurance and Disability Benefits Insurance in accordance with the Laws of the State of New York on behalf of all employees providing services under this Contract (except for those qualifying for insurance pursuant to Article 22.1.4).
- 22.1.3 Employers' Liability Insurance: The **Contractor** shall provide, and ensure that each **Subcontractor** provides, Employers Liability Insurance affording compensation due to bodily injury by accident or disease sustained by any employee arising out of and in the course of his/her employment under this Contract (except for those qualifying for insurance pursuant to Article 22.1.4).
- 22.1.4 United States Longshoremen's and Harbor Workers Act and/or Jones Act Insurance: The **Contractor** shall provide, and ensure that each **Subcontractor** provides, insurance in accordance with the United States Longshoremen's and Harbor Workers Act and/or the Jones Act, on behalf of all qualifying employees providing services under this **Contract**.
- 22.1.5 Builders' Risk Insurance: The Contractor shall provide a Builders' Risk Insurance policy covering all risks in completed value form. Such policy shall cover the total value of the Work performed in accordance with Schedule A, as well as the value of any equipment, supplies and/or material for the Project that may be in storage (on or off the Site) or in transit. The policy shall cover the cost of removing debris, including demolition as may be legally necessary by the operation of any law, ordinance or regulation, and for loss or damage to any owned, borrowed, leased or rented capital equipment, tools, including tools of their agents and employees, staging towers and forms, and property of the City held in their care, custody and/or control. Such policy shall name as insureds the City, the Contractor, and its Subcontractors. The Builders' Risk policy shall contain the following endorsements:
  - 22.1.5(a) The City and the Contractor shall be named as loss payee for the Work in order of precedence, as their interest may appear; and
  - 22.1.5(b) In the event the loss occurs at an occupied facility, the policy shall permit occupancy without the consent of the Insurance Company; and
  - 22.1.5(c) In the event that the insurance policy has been issued by a mutual insurance company, the following language shall be included: "The City of New York is not liable for any premium or assessment under this policy of insurance. The First Named Insured is solely liable therefor."
- 22.1.6 Comprehensive Business Automobile Liability Insurance: The **Contractor** shall provide a Comprehensive Business Automobile Liability policy for liability arising out of any owned, non-owned, leased and hired vehicles to be used in connection with this **Contract**. Coverage should be at least as broad as ISO Form CA0001, ed. 10/01.
  - 22.1.6(a) If autos are used for transporting hazardous materials, the Automobile Liability Insurance shall be endorsed to provide pollution liability broadened coverage for covered vehicles (endorsement CA 99 48) as well as proof of MCS 90.
- 22.1.7 Pollution/Environmental Liability Insurance: The Contractor shall provide Pollution/Environmental Liability Insurance covering bodily injury and property damage, including loss of use of damaged property or of property that has not been physically injured. Such insurance shall provide coverage for actual, alleged or threatened emission, discharge, dispersal, seepage, release or escape of pollutants (including asbestos), including any loss, cost or expense incurred as a

result of any cleanup of pollutants (including asbestos) or in the investigation, settlement or defense of any claim, suit, or proceedings against the City arising from the operations under this Contract. Such insurance shall be in the Contractor's name and list the City as an Additional Insured. Coverage for the City as Additional Insured shall specifically include the City's officials and employees, and shall be at least as broad as provided to the Contractor for this Project.

22.1.7(a) If such coverage is written on a claims-made policy, such policy shall have a retroactive date on or before the effective date of this **Contract**, and continuous coverage shall be maintained, or an extended discovery period exercised, for a period of not less than three years from the time the **Work** under this **Contract** is completed.

#### 22.1.8 Marine Insurance:

- 22.1.8(a) Marine Protection and Indemnity Insurance: The Contractor shall provide a Marine Protection and Indemnity policy with coverage at least as broad as policy form SP-23. The policy shall provide coverage for the Contractor and for the City (together with its officials and employees) as Additional Insured for bodily injury and property damage arising from marine operations under this Contract including injury or death of crew members (if not fully provided through other insurance), damage to piers, wharves and other fixed or movable structures and loss of or damage to any other vessel or craft, or to property on such other vessel or craft, not caused by collision.
- 22.1.8(b) Ship Repairers Legal Liability Insurance: The Contractor shall provide a Ship Repairers Legal Liability Insurance policy covering all repair operations under this Contract at or in the vicinity of a designated approved port or yard under this Contract. The policy shall provide coverage from the point of acceptance of care custody and control of any City vessel. The policy shall provide Bailee Coverage for any City vessel in the Contractor's care, custody and control and coverage for damage to property of others caused by any City vessel in the Contractor's care custody and control.
- 22.1.8(c) Collision Liability/Towers Liability Insurance: The **Contractor** shall provide a Collision Liability/Towers Liability Insurance policy with coverage for the **Contractor** and for the **City** (together with its officials and employees) as Additional Insured at least as broad as the American Institute Tug Form (08/01/76) for all tugs used under this **Contract** and Collision Liability per American Institute Hull Clauses (6/2/77).
- 22.1.8(d) Marine Pollution Liability Insurance: The **Contractor** shall provide a Marine Pollution Liability Insurance policy covering itself as Named Insured and the **City** (together with its officials and employees) as Additional Insured for liability arising from the discharge or substantial threat of a discharge of oil, or from the release or threatened release of a hazardous substance including injury to, or economic losses resulting from, the destruction of or damage to real property, personal property or natural resources. Coverage under this policy shall be at least as broad as that provided by Water Quality Insurance Syndicate Form (09/98 ed.).
- 22.1.9 The Contractor shall provide such other types of insurance, at such minimum limits, as are specified in Schedule A of the General Conditions.

#### 22.2 General Requirements for Insurance Policies:

22.2.1 All required insurance policies shall be maintained with companies that may lawfully issue the required policy and have an A.M. Best rating of at least A- VII or a Standard and Poor's rating of at least AA, unless prior written approval is obtained from the Mayor's Office of Operations.

- 22.2.2 The **Contractor** shall be solely responsible for the payment of all premiums for all required policies and all deductibles and self-insured retentions to which such policies are subject, whether or not the **City** is an insured under the policy.
- 22.2.3 In his/her sole discretion, the **Commissioner** may, subject to the approval of the **Comptroller** and the Corporation Counsel, accept Letters of Credit and/or custodial accounts in lieu of required insurance.
- 22.2.4 The City's limits of coverage for all types of insurance required pursuant to Schedule A of the General Conditions shall be the greater of (i) the minimum limits set forth in Schedule A or (ii) the limits provided to the Contractor as Named Insured under all primary, excess and umbrella policies of that type of coverage.
- 22.2.5 All required insurance policies, except for insurance required pursuant to Sections 22.1.2, 22.1.3, and 22.1.4, shall contain the following endorsement: "This policy may not be cancelled, terminated, modified or changed unless thirty (30) days prior written notice is sent by the Insurance Company to the Named Insured (or First Named Insured, as appropriate), the **Commissioner**, and to the **Comptroller**, attn: Office of Contract Administration, Municipal Building, Room 1005, New York, New York 10007."

#### 22.3 Proof of Insurance:

- 22.3.1 Within ten (10) **Days** of award, the **Contractor** shall, for each policy required under this **Contract**, except for Workers Compensation Insurance and Disability Benefits Insurance and builders' risk insurance, file a Certificate of Insurance with the **Commissioner** pursuant to Article 22.6. For Workers' Compensation Insurance and Disability Benefits Insurance, the **Contractor** shall file proof of insurance in a form acceptable to the **Commissioner** within ten (10) **Days** of award. Accord forms are not acceptable proof of workers' compensation coverage. The Contractor must submit one of the following forms to the Department, or another form acceptable to the Department: C-105.2 -- Certificate of Workers' Compensation Insurance, or U-26.3 -- State Insurance Fund Certificate of Workers' Compensation Insurance. For builders' risk insurance, the **Contractor** shall file a Certificate of Insurance with the **Commissioner** at the direction of the **Commissioner** but in any event no later than ten (10) **Days** prior to commencement of the **Work**.
  - 22.3.1(a) All Certificates of Insurance shall be in a form acceptable to the City and shall certify the issuance and effectiveness of the types of insurance specified in Schedule A, each with the specified minimum limits and evidence of the compliance with the Additional Insured or Named Insured provisions of Articles 22.1.1(a), 22.1.5, 22.1.7, and 22.1.8, as applicable. All Certificate(s) of Insurance shall be accompanied by either a duly executed "Certification by Broker" in the form contained in Part II of Schedule A or completed copies of all policies referenced in the Certificate of Insurance. In the absence of completed policies, binders are acceptable.
- 22.3.2 Certificates of Insurance confirming renewals of insurance shall be submitted to the **Commissioner** prior to the expiration date of coverage of policies required under this **Contract**. Such Certificates of Insurance shall comply with the requirements of Article 22.3.1(a) and, if applicable, Article 22.3.1(b).
- 22.3.3 The **Contractor** shall be obligated to provide the **City** with a copy of any policy required by this Article 22 upon the demand for such policy by the **Commissioner** or the New York City Law Department.

### 22.4 Operations of the Contractor:

- 22.4.1 The Contractor shall not commence the Work unless and until all required certificates have been submitted to and accepted by the Commissioner. Acceptance by the Commissioner of a certificate hereunder does not excuse the Contractor from securing a policy consistent with all provisions of this Article or of any liability arising from its failure to do so.
- 22.4.2 The Contractor shall be responsible for providing continuous insurance coverage in the manner, form, and limits required by this Contract and shall be authorized to perform Work only during the effective period of all required coverage.
- 22.4.3 In the event that any of the required insurance policies lapse, are revoked, suspended or otherwise terminated, for whatever cause, the **Contractor** shall immediately stop all **Work**, and shall not recommence **Work** until authorized in writing to do so by the **Commissioner**. Upon quitting the **Site**, except as otherwise directed by the Commissioner, the **Contractor** shall leave all plant, materials, equipment, tools and supplies on the **Site**. **Contract** time shall continue to run during such periods and no extensions of time will be granted. The **Commissioner** may also declare the **Contractor** in default for failure to maintain required insurance.
- 22.5 The City as Additional Insured or Loss Payee under Subcontractors' Insurance. The Contractor shall ensure that each Subcontractor name the City as Additional Insured or loss payee, as appropriate, under all policies covering Work performed by such Subcontractor under this Contract. The City's coverage as Additional Insured shall include the City's officials and employees and be at least as broad as that provided to the Contractor. The foregoing requirements shall not apply to insurance provided pursuant to Articles 22.1.2, 22.1.3, and 22.1.4.
- 22.6 Wherever reference is made in Article 7 or this Article 22 to documents to be sent to the **Commissioner** (e.g., notices, filings, or submissions), such documents shall be sent to the address set forth in Schedule A of the General Conditions. In the event no address is set forth in Schedule A, such documents are to be sent to the **Commissioner's** address as provided elsewhere in this **Contract**.
- 22.7 If the **Contract** involves disposal of hazardous materials, the **Contractor** shall dispose such materials only at sites where the disposal site operator maintains Pollution Legal Liability Insurance in the amount of at least \$2,000,000 for losses arising from such disposal site.
- 22.8 Materiality/Non-Waiver: The **Contractor's** failure to secure policy(ies) in complete conformity with this Article, or to give the Insurance Company timely notice of any sort required in this **Contract** on behalf of the **City**, or to do anything else required by this Article shall constitute a material breach of this **Contract**. Such breach shall not be waived or otherwise excused by any action or inaction by the **City** at any time.
- 22.9 Other Remedies: Insurance coverage in the minimum amounts provided for herein shall not relieve the Contractor or Subcontractors of any liability under this Contract, nor shall it preclude the City from exercising any rights or taking such other actions as are available to it under any other provisions of this Contract or Law.

## **ARTICLE 23. MONEY RETAINED AGAINST CLAIMS**

- 23.1 If any claim shall be made by any person or entity (including Other Contractors with the City on this Project) against the City or against the Contractor and the City for any of the following:
  - (a) An alleged loss, damage, injury, theft or vandalism of any of the kinds referred to in Articles 7 and 12, plus the reasonable costs of defending the City, which in the opinion of the Comptroller may not be paid by an insurance company (for any reason whatsoever); or
  - (b) An infringement of copyrights, patents or use of patented articles, tools, etc., as referred to in Article 57; or
  - (c) Damage claimed to have been caused directly or indirectly by the failure of the Contractor to perform the Work in strict accordance with this Contract,

the amount of such claim, or so much thereof as the Comptroller may deem necessary, may be withheld by the Comptroller, as security against such claim, from any money due hereunder. The Comptroller, in his/her discretion, may permit the Contractor to substitute other satisfactory security in lieu of the monies so withheld.

- 23.2 If an action on such claim is timely commenced and the liability of the City, or the Contractor, or both, shall have been established therein by a final judgment of a Court of competent jurisdiction, or if such claim shall have been admitted by the Contractor to be valid, the Comptroller shall pay such judgment or admitted claim out of the monies retained by the Comptroller under the provisions of this article, and return the balance, if any, without interest, to the Contractor.
- 23.3 Liens: If at any time before or within thirty (30) Days after the Work is completed and accepted by the City, any persons claiming to have performed any labor or furnished any material toward the performance or completion of this Contract, shall file with the Agency and with the Treasurer any notice as is described in the New York State Lien Law, or any act of the Legislature of the State of New York, the City shall retain, from the monies due or to become due under this Contract, so much of such monies as shall be sufficient to pay the amount claimed in said notice, together with the reasonable costs of any action or actions brought or that may be brought to enforce such lien. The monies so retained shall be held by the City until the lien thereon created by the said act and the filing of the said notice shall be discharged pursuant to Law.

#### **ARTICLE 24. MAINTENANCE AND GUARANTY**

- 24.1 The Contractor shall promptly repair, replace, restore or rebuild, as the Commissioner may determine, any finished Work in which defects of materials or workmanship may appear or to which damage may occur because of such defects, during the one (1) year period subsequent to the date of Substantial Completion (or use and occupancy in accordance with Article 16), except where other periods of maintenance and guarantee are provided for.
- 24.2 As security for the faithful performance of its obligations hereunder, the **Contractor**, upon filing its requisition for payment on **Substantial Completion**, shall deposit with the **Commissioner** a sum equal to one (1%) percent of the price (or the amount fixed in Schedule A of the General Conditions) in cash or certified check upon a state or national bank and trust company or a check of such bank and trust company signed by a duly authorized officer thereof and drawn to the order of the **Comptroller**, or obligations of the **City**, which the **Comptroller** may approve as of equal value with the sum so required.
- 24.3 In lieu of the above, the **Contractor** may make such security payment to the **City** by authorizing the **Commissioner** in writing to deduct the amount from the **Substantial Completion** payment which shall be deemed the deposit required above.

- 24.4 If the Contractor has faithfully performed all of its obligations hereunder the Commissioner shall so certify to the Comptroller within five (5) Days after the expiration of one (1) year from the date of Substantial Completion and acceptance of the Work or within thirty (30) Days after the expiration of the guarantee period fixed in the Specifications. The security payment shall be repaid to the Contractor without interest within thirty (30) Days after certification by the Commissioner to the Comptroller that the Contractor has faithfully performed all of its obligations hereunder.
- 24.5 Notice by the **Commissioner** to the **Contractor** to repair, replace, rebuild or restore such defective or damaged **Work** shall be timely, pursuant to this article, if given not later than ten (10) **Days** subsequent to the expiration of the one (1) year period or other periods provided for herein.
- 24.6 If the **Contractor** shall fail to repair, replace, rebuild or restore such defective or damaged **Work** promptly after receiving such notice, the **Commissioner** shall have the right to have the **Work** done by others in the same manner as provided for in the completion of a defaulted **Contract**, under Article 51.
- 24.7 If the security payment so deposited is insufficient to cover the cost of such **Work**, the **Contractor** shall be liable to pay such deficiency on demand by the **Commissioner**.
- 24.8 The **Engineer's** certificate setting forth the fair and reasonable cost of repairing, replacing, rebuilding or restoring any damaged or defective **Work** when performed by one other than the **Contractor**, shall be binding and conclusive upon the **Contractor** as to the amount thereof.
- 24.9 The Contractor shall obtain all manufacturers' warranties and guaranties of all equipment and materials required by this Contract in the name of the City and shall deliver same to the Commissioner. All of the City's rights and title and interest in and to said manufacturers' warranties and guaranties may be assigned by the City to any subsequent purchasers or lessees of the premises.

# CHAPTER VI CHANGES, EXTRA WORK AND DOCUMENTATION OF CLAIM

#### **ARTICLE 25. CHANGES**

- 25.1 Changes may be made to this **Contract** only as duly authorized in writing by the **Commissioner** in accordance with the **Laws** and this **Contract**. All such changes, modifications and amendments will become a part of the **Contract**. Work so ordered shall be performed by the **Contractor**.
- 25.2 Contract changes will be made only for Work necessary to complete the Work included in the original scope of the Contract and/or for non-material changes to the scope of the Contract. Changes are not permitted for any material alteration in the scope of Work in the Contract.
- 25.3 The Contractor shall be entitled to a price adjustment for Extra Work performed pursuant to a written change order. Adjustments to price shall be computed in one or more of the following ways:
  - 25.3.1 By applicable unit prices specified in the Contract; and/or
  - 25.3.2 By agreement of a fixed price; and/or
  - 25.3.3 By time and material records; and/or
  - 25.3.4 In any other manner approved by the CCPO.

25.4 All payments for change orders are subject to pre-audit by the Engineering Audit Officer and may be post-audited by the Comptroller and/or the Department.

# ARTICLE 26. METHODS OF PAYMENT FOR OVERRUNS AND EXTRA WORK

- 26.1 Overrun of Unit Price Item: An overrun is any quantity of a unit price item which the **Contractor** is directed to provide which is in excess of one hundred twenty-five (125%) percent of the estimated quantity for that item set forth in the bid schedule.
  - 26.1.1 For any unit price item, the **Contractor** will be paid at the unit price bid for any quantity up to one hundred twenty five (125%) percent of the estimated quantity for that item set forth in the bid schedule. If during the progress of the **Work**, the actual quantity of any unit price item required to complete the **Work** approaches the estimated quantity for that item, and for any reason it appears that the actual quantity of any unit price item necessary to complete the **Work** will exceed the estimated quantity for that item by twenty-five (25%) percent, the **Contractor** shall immediately notify the **Engineer** of such anticipated overrun. The **Contractor** shall not be compensated for any quantity of a unit price item provided which is in excess of one hundred twenty five (125%) percent of the estimated quantity for that item set forth in the bid schedule without written authorization from the Engineer.
  - 26.1.2 If the actual quantity of any unit price item necessary to complete the Work will exceed one hundred twenty five (125%) percent of the estimated quantity for that item set forth in the bid schedule, the City reserves the right and the Contractor agrees to negotiate a new unit price for such item. In no event shall such negotiated new unit price exceed the unit bid price. If the City and Contractor cannot agree on a new unit price, then the City shall order the Contractor and the Contractor agrees to provide additional quantities of the item on a time and material basis for the actual and reasonable cost as determined under Article 26.2, but in no event at a unit price exceeding the unit price bid.
- 26.2 Extra Work: For Extra Work where payment is by agreement on a fixed price in accordance with Article 25.3.2, the price to be paid for such Extra Work shall be based on the fair and reasonable estimated cost of the items set forth below. For Extra Work where payment is on a time and material basis in accordance with Article 25.3.3, the price to be paid for such Extra Work shall be the actual and reasonable cost of the items set forth below.
  - 26.2.1 Necessary materials (including transportation to the Site); plus
  - 26.2.2 Necessary direct labor, including payroll taxes and supplemental benefits; plus
  - 26.2.3 Sales and personal property taxes, if any, required to be paid on materials not incorporated into such **Extra Work**; plus
  - Reasonable rental value of **Contractor-**owned, necessary plant and equipment other than small tools, plus fuel/energy costs. Except for fuel costs for pick-up trucks which shall be reimbursed based on a consumption of five (5) gallons per shift, fuel costs shall be reimbursed based on actual costs or, in the absence of auditable documentation, the following fuel consumption formula per operating hour: (.035) x (HP rating) x (Fuel cost/gallon). Reasonable rental value is defined as the lower of either seventy-five percent of the monthly prorated rental rates established in "The AED Green Book, Rental Rates and Specifications for Construction Equipment" published by PRIMEDIA (the "Green Book"), or seventy-five percent of the monthly prorated rental rates established in the "Rental Rate Blue Book for Construction Equipment" published by PRIMEDIA (the "Blue Book"). The reasonable rental value is inclusive of all operating costs except for fuel/energy consumption and equipment operator's wages/costs. For multiple shift utilization, reimbursement shall be calculated as follows: first shift shall be seventy-five percent of such rental rates; second shift shall be sixty percent of the first shift rate; and third shift shall be forty

percent of the first shift rate. Equipment on standby shall be reimbursed at one-third the prorated monthly rental rate. Contractor-owned equipment includes equipment from rental companies affiliated with or controlled by the Contractor, as determined by the Commissioner. In establishing cost reimbursement for non-operating contractor-owned equipment (scaffolding, sheeting systems, road plates, etc.), the City may restrict reimbursement to a purchase-salvage/life cycle basis if less than the computed rental costs; plus

- 26.2.5 Necessary installation and dismantling of such plant and equipment, including transportation to and from the **Site**, if any, provided that, in the case of non-**Contractor**-owned equipment rented from a third party, the cost of installation and dismantling are not allowable if such costs are included in the rental rate; plus
- 26.2.6 Reasonable rental costs of non-Contractor-owned necessary plant and equipment other than small tools, plus fuel/energy costs. Except for fuel costs for pick-up trucks which shall be reimbursed based on a consumption of five (5) gallons per shift, fuel costs shall be reimbursed based on actual costs or, in the absence of auditable documentation, the following fuel consumption formula per hour of operation: (.035) x (HP rating) x (Fuel cost/gallon). In lieu of renting, the City reserves the right to direct the purchase of non-operating equipment (scaffolding, sheeting systems, road plates, etc.), with payment on a purchase-salvage/life cycle basis, if less than the projected rental costs; plus
- 26.2.7 Workers' compensation insurance, and any insurance coverage expressly required by the City for the performance of the Extra Work which is different than the types of insurance required by Article 22 and Schedule A of the General Conditions. The cost of workers' compensation insurance shall be based upon the Manual Rate for such insurance for the applicable work classifications/codes, in accordance with the most recent schedule promulgated by the New York Compensation Insurance Rating Board; plus
- 26.2.8 Additional costs incurred as a result of the Extra Work for performance and payment bonds; plus
- 26.2.9 Ten (10%) percent of the total of items in Articles 26.2.1 through 26.2.5 as compensation for overhead, except that no percentage for overhead will be allowed on **Payroll Taxes** or on the premium portion of overtime pay or on sales and personal property taxes. Overhead shall include without limitation, all costs and expenses in connection with administration, management superintendence, small tools, and insurance required by Schedule A of the General Conditions other than workers' compensation insurance; plus
- 26.2.10 Ten (10%) percent of the total of items in Articles 26.2.1 through 26.2.5, plus item 26.2.9, as compensation for profit, except that no percentage for profit will be allowed on **Payroll Taxes** or on the premium portion of overtime pay or on sales and personal property taxes; plus
- 26.2.11 Five (5%) percent of the total of items in Article 26.2.6, 26.2.7, and 26.2.8 as compensation for overhead and profit.
- 26.3 Where the Extra Work is performed in whole or in part by other than the Contractor's own forces pursuant to Article 26.2, the Contractor shall be paid, subject to pre-audit by the Engineering Audit Officer, the cost of such Work computed in accordance with Article 26.2 above, plus an additional allowance of five (5%) percent to cover the Contractor's overhead and profit.
- 26.4 Where a change is ordered, involving both Extra Work and omitted or reduced Contract Work, the Contract price shall be adjusted, subject to pre-audit by the EAO, in an amount based on the difference between the cost of such Extra Work and of the omitted or reduced Work. The cost of such Extra Work and of such omitted or reduced Work shall be computed based upon applicable Contract unit prices. Where there are no applicable Contract unit prices, the cost of such Extra Work and of such omitted or reduced Contract Work shall

be computed in accordance with items 26.2.1 through 26.2.8. If the cost of such Extra Work exceeds the costs of such omitted or reduced Contract Work, the Contract price shall be increased by the difference, plus percentages for overhead and profit as provided in Articles 26.2.9 through 26.2.11. If the cost of the omitted or reduced Contract Work exceeds the cost of the Extra Work, then the Contract price shall be reduced by the difference.

26.5 Where the Contractor and the Commissioner can agree upon a fixed price for Extra Work in accordance with Article 25.3.2 or another method of payment for Extra Work in accordance with Article 25.3.4, or for Extra Work ordered in connection with omitted work, such method, subject to pre-audit by the EAO, may, at the option of the Commissioner, be substituted for the cost plus a percentage method provided in Article 26.2; provided, however, that if the Extra Work is performed by a Subcontractor, the Contractor shall not be entitled to receive more than an additional allowance of five (5%) percent for overhead and profit over the cost of such Subcontractor's Work as computed in accordance with Article 26.2.

# **ARTICLE 27. RESOLUTION OF DISPUTES**

- 27.1 All disputes between the **City** and the **Contractor** of the kind delineated in this article that arise under, or by virtue of, this **Contract** shall be finally resolved in accordance with the provisions of this article and the **PPB** Rules. This procedure for resolving all disputes of the kind delineated herein shall be the exclusive means of resolving any such disputes.
  - 27.1.1 This article shall not apply to disputes concerning matters dealt with in other sections of the **PPB** Rules, or to disputes involving patents, copyrights, trademarks, or trade secrets (as interpreted by the courts of New York State) relating to proprietary rights in computer software.
  - 27.1.2 This article shall apply only to disputes about the scope of work delineated by the Contract, the interpretation of Contract documents, the amount to be paid for Extra Work or disputed work performed in connection with the Contract, the conformity of the Contractor's Work to the Contract, and the acceptability and quality of the Contractor's Work; such disputes arise when the Engineer, Resident Engineer, Engineering Audit Officer, or other designee of the Commissioner makes a determination with which the Contractor disagrees.
- 27.2 All determinations required by this article shall be made in writing clearly stated, with a reasoned explanation for the determination based on the information and evidence presented to the party making the determination. Failure to make such determination within the time required by this article shall be deemed a non-determination without prejudice that will allow application to the next level.
- 27.3 During such time as any dispute is being presented, heard, and considered pursuant to this article, the Contract terms shall remain in force and the Contractor shall continue to perform Work as directed by the ACCO or the Engineer. Failure of the Contractor to continue Work as directed shall constitute a waiver by the Contractor of its claim.
  - 27.4 Presentation of Disputes to Commissioner.

Notice of Dispute and Agency Response. The Contractor shall present its dispute in writing ("Notice of Dispute") to the Commissioner within thirty (30) Days of receiving written notice of the determination or action that is the subject of the dispute. This notice requirement shall not be read to replace any other notice requirements contained in the Contract. The Notice of Dispute shall include all the facts, evidence, documents, or other basis upon which the Contractor relies in support of its position, as well as a detailed computation demonstrating how any amount of money claimed by the Contractor in the dispute was arrived at. Within thirty (30) Days after receipt of the detailed written submission comprising the complete Notice of Dispute, the Engineer, Resident Engineer, Engineering Audit Officer, or other designee of the Commissioner shall submit to the Commissioner all materials he or she deems pertinent to the dispute. Following initial submissions to the Commissioner, either

party may demand of the other the production of any document or other material the demanding party believes may be relevant to the dispute. The requested party shall produce all relevant materials that are not otherwise protected by a legal privilege recognized by the courts of New York State. Any question of relevancy shall be determined by the **Commissioner** whose decision shall be final. Willful failure of the **Contractor** to produce any requested material whose relevancy the **Contractor** has not disputed, or whose relevancy has been affirmatively determined, shall constitute a waiver by the **Contractor** of its claim.

- 27.4.1 Commissioner Inquiry. The Commissioner shall examine the material and may, in his or her discretion, convene an informal conference with the Contractor, the ACCO, and the Engineer, Resident Engineer, Engineering Audit Officer, or other designee of the Commissioner to resolve the issue by mutual consent prior to reaching a determination. The Commissioner may seek such technical or other expertise as he or she shall deem appropriate, including the use of neutral mediators, and require any such additional material from either or both parties as he or she deems fit. The Commissioner's ability to render, and the effect of, a decision hereunder shall not be impaired by any negotiations in connection with the disputed presented, whether or not the Commissioner participated therein. The Commissioner may or, at the request of any party to the dispute, shall compel the participation of any other Contractor with a Contract related to the Work of this Contract, and that Contractor shall be bound by the decision of the Commissioner. Any Contractor thus brought into the dispute resolution proceeding shall have the same rights and obligations under this article as the Contractor initiating the dispute.
- 27.4.2 Commissioner Determination. Within thirty (30) days after the receipt of all materials and information, or such longer time as may be agreed to by the parties, the Commissioner shall make his or her determination and shall deliver or send a copy of such determination to the Contractor, the ACCO, and Engineer, Resident Engineer, Engineering Audit Officer, or other designee of the Commissioner, as applicable, together with a statement concerning how the decision may be appealed.
- 27.4.3 Finality of **Commissioner** Decision. The **Commissioner**'s decision shall be final and binding on all parties, unless presented to the Contract Dispute Resolution Board pursuant to this article. The **City** may not take a petition to the Contract Dispute Resolution Board. However, should the **Contractor** take such a petition, the **City** may seek, and the Contract Dispute Resolution Board may render, a determination less favorable to the **Contractor** and more favorable to the **City** than the decision of the **Commissioner**.
- 27.5 Presentation of Dispute to the Comptroller. Before any dispute may be brought by the Contractor to the Contract Dispute Resolution Board, the Contractor must first present its claim to the Comptroller for his or her review, investigation, and possible adjustment.
  - 27.5.1 Time, Form, and Content of Notice. Within thirty (30) days of its receipt of a decision by the Commissioner, the Contractor shall submit to the Comptroller and to the Commissioner a Notice of Claim regarding its dispute with the Agency. The Notice of Claim shall consist of (i) a brief Written statement of the substance of the dispute, the amount of money, if any, claimed and the reason(s) the Contractor contends the dispute was wrongly decided by the Commissioner; (ii) a copy of the written decision of the Commissioner; and (iii) a copy of all materials submitted by the Contractor to the Agency, including the Notice of Dispute. The Contractor may not present to the Comptroller any material not presented to the Commissioner, except at the request of the Comptroller.
  - 27.5.2 Agency Response. Within thirty (30) days of receipt of the Notice of Claim, the Agency shall make available to the Comptroller a copy of all material submitted by the Agency to the Commissioner in connection with the dispute. The Agency may not present to the Comptroller any material not presented to the Commissioner except at the request of the Comptroller.

- 27.5.3 Comptroller Investigation. The Comptroller may investigate the claim in dispute and, in the course of such investigation, may exercise all powers provided in section 7-201 and 7-203 of the New York City Administrative Code. In addition, the Comptroller may demand of either party, and such party shall provide, whatever additional material the Comptroller deems pertinent to the claim, including original business records of the Contractor. Willful failure of the Contractor to produce within fifteen (15) days any material requested by the Comptroller shall constitute a waiver by the Contractor of its claim. The Comptroller may also schedule an informal conference to be attended by the Contractor, Agency representatives, and any other personnel desired by the Comptroller.
- 27.5.4 Opportunity of **Comptroller** to Compromise or Adjust Claim. The **Comptroller** shall have forty-five (45) days from his or her receipt of all materials referred to in Article 27.5.3 to investigate the disputed claim. The period for investigation and compromise may be further extended by agreement between the **Contractor** and the **Comptroller**, to a maximum of ninety (90) days from the **Comptroller's** receipt of all materials. The **Contractor** may not present its petition to the Contract Dispute Resolution Board until the period for investigation and compromise delineated in Article 27.5.4 has expired. In compromising or adjusting any claim hereunder, the **Comptroller** may not revise or disregard the terms of the **Contract** between the parties.
- 27.6 Contract Dispute Resolution Board. There shall be a Contract Dispute Resolution Board composed of:
  - 27.6.1 The chief administrative law judge of the Office of Administrative Trials and Hearings (OATH) or his/her designated OATH administrative law judge, who shall act as chairperson, and may adopt operational procedures and issue such orders consistent with this article as may be necessary in the execution of the Contract Dispute Resolution Board's functions, including, but not limited to, granting extensions of time to present or respond to submissions;
    - 27.6.1.1The CCPO or his/her designee; any designee shall have the requisite background to consider and resolve the merits of the dispute and shall not have participated personally and substantially in the particular matter that is the subject of the dispute or report to anyone who so participated; and
  - 27.6.2 A person with appropriate expertise who is not an employee of the City. This person shall be selected by the presiding administrative law judge from a prequalified panel of individuals, established and administered by OATH with appropriate background to act as decision-makers in a dispute. Such individual may not have a contract or dispute with the City or be an officer or employee of any company or organization that does, or regularly represents persons, companies, or organizations having disputes with the City.
- 27.7 Petition to the Contract Dispute Resolution Board. In the event the claim has not been settled or adjusted by the **Comptroller** within the period provided in this article, the **Contractor**, within thirty (30) days thereafter, may petition the Contract Dispute Resolution Board to review the **Commissioner's** determination.
  - 27.7.1 Form and Content of Petition by Contractor. The Contractor shall present its dispute to the Contract Dispute Resolution Board in the form of a petition, which shall include (i) a brief written statement of the substance of the dispute, the amount of money, if any, claimed, and the reason(s) the Contractor contends the dispute was wrongly decided by the Commissioner; (ii) a copy of the written Decision of the Commissioner, (iii) copies of all materials submitted by the Contractor to the Agency; (iv) a copy of the written decision of the Comptroller, if any, and (v) copies of all correspondence with, or written material submitted by the Contractor, to the Comptroller. The Contractor shall concurrently submit four (4) complete sets of the Petition: one set to the Corporation Counsel (Attn: Commercial and Real Estate Litigation Division) and three (3) sets to the Contract

Dispute Resolution Board at OATH's offices with proof of service on the Corporation Counsel. In addition, the **Contractor** shall submit a copy of the written statement of the substance of the dispute, cited in (i) above, to both the **Commissioner** and the **Comptroller**.

- 27.7.2 Agency Response. Within thirty (30) Days of its receipt of the petition by the Corporation Counsel, the Agency shall respond to the brief written statement of the Contractor and make available to the Contract Dispute Resolution Board all material it submitted to the Commissioner and Comptroller. Three (3) complete copies of the Agency response shall be provided to the Contract Dispute Resolution Board and one to the Contractor. Extensions of time for submittal of the Agency response shall be given as necessary upon a showing of good cause or, upon consent of the parties, for an initial period of up to thirty (30) Days.
- 27.7.3 Further Proceedings. The Contract Dispute Resolution Board shall permit the Contractor to present its case by submission of memoranda, briefs, and oral argument. The Contract Dispute Resolution Board shall also permit the Agency to present its case in response to the Contractor by submission of memoranda, briefs, and oral argument. If requested by the Corporation Counsel, the Comptroller shall provide reasonable assistance in the preparation of the Agency's case. Neither the Contractor nor the Agency may support its case with any documentation or other material that was not considered by the Comptroller, unless requested by the Contract Dispute Resolution Board. The Contract Dispute Resolution Board, in its discretion, may seek such technical or other expert advice as it shall deem appropriate and may seek, on its own or upon application of a party, any such additional material from any party as it deems fit. The Contract Dispute Resolution Board, in its discretion, may combine more than one dispute between the parties for concurrent resolution.
- 27.7.4 Contract Dispute Resolution Board Determination. Within forty-five (45) Days of the conclusion of all written submissions and oral arguments, the Contract Dispute Resolution Board shall render a written decision resolving the dispute. In an unusually complex case, the Contract Dispute Resolution Board may render its decision in a longer period, not to exceed ninety (90) Days, and shall so advise the parties at the commencement of this period. The Contract Dispute Resolution Board's decision must be consistent with the terms of the **Contract**. Decisions of the Contract Dispute Resolution Board and shall not have precedential effect with respect to matters not before the Contract Dispute Resolution Board.
- 27.7.5 Notification of Contract Dispute Resolution Board Decision. The Contract Dispute Resolution Board shall send a copy of its decision to the **Contractor**, the **ACCO**, the Engineer, the **Comptroller**, the Corporation Counsel, the Director of the Office of Construction, and the **PPB**. A decision in favor of the **Contractor** shall be subject to the prompt payment provisions of the **PPB** Rules. The Required Payment Date shall be thirty (30) Days after the date the parties are formally notified of the Contract Dispute Resolution Board's decision.
- 27.7.6 Finality of Contract Dispute Resolution Board Decision. The Contract Dispute Resolution Board's decision shall be final and binding on all parties. Any party may seek review of the Contract Dispute Resolution Board's decision solely in the form of a challenge, filed within four (4) months of the date of the Contract Dispute Resolution Board's decision, in a court of competent jurisdiction of the State of New York, County of New York pursuant to Article 78 of the Civil Practice Laws and Rules. Such review by the court shall be limited to the question of whether or not the Contract Dispute Resolution Board's decision was made in violation of lawful procedure, was affected by an error of Law, or was arbitrary and capricious or an abuse of discretion. No evidence or information shall be introduced or relied upon in such proceeding that was not presented to the Contract Dispute Resolution Board in accordance with this article.

27.8 Any termination, cancellation, or alleged breach of the **Contract** prior to or during the pendency of any proceedings pursuant to this article shall not affect or impair the ability of the **Commissioner** or Contract Dispute Resolution Board to make a binding and final decision pursuant to this article.

## ARTICLE 28. RECORD KEEPING FOR EXTRA OR DISPUTED WORK

- 28.1 While the **Contractor** or any of its **Subcontractors** is performing **Extra Work** on a Time and Material Basis ordered by the **Commissioner** under Article 25, or is performing disputed **Work**, or complying with a determination or order under protest in accordance with Articles 27 and 30, in each such case the **Contractor** shall furnish the **Resident Engineer** daily with three (3) copies of written statements signed by the **Contractor's** representative at the **Site** showing:
  - 28.1.1 The name and number of each Worker employed on such **Work** or engaged in complying with such determination or order, the number of hours employed, and the character of the **Work** each is doing; and
  - 28.1.2 The nature and quantity of any materials, plant and equipment furnished or used in connection with the performance of such **Work** or compliance with such determination or order, and from whom purchased or rented.
- 28.2 A copy of such statement will be countersigned by the **Resident Engineer**, noting thereon any items not agreed to or questioned, and will be returned to the **Contractor** within two (2) **Days** after submission.
- 28.3 The Contractor and its Subcontractors, when required by the Commissioner, or the Comptroller, shall also produce for inspection, at the office of the Contractor or Subcontractor, any and all of its books, bid documents, financial statements, vouchers, records, daily job diaries and reports, and cancelled checks, and any other documents relating to showing the nature and quantity of the labor, materials, plant and equipment actually used in the performance of such Work, or in complying with such determination or order, and the amounts expended therefor, and shall permit the Commissioner and the Comptroller to make such extracts therefrom, or copies thereof, as they or either of them may desire.
- 28.4 In connection with the examination provided for herein, the Commissioner, upon demand therefor, will produce for inspection by the Contractor such records as the Agency may have with respect to such Extra or disputed Work performed under protest pursuant to order of the Commissioner, except those records and reports which may have been prepared for the purpose of determining the accuracy and validity of the Contractor's claim.
- 28.5 Failure to comply strictly with these requirements shall constitute a waiver of any claim for extra compensation or damages on account of the performance of such **Work** or compliance with such determination or order.

## **ARTICLE 29. OMITTED WORK**

- 29.1 If any Contract Work in a lump sum Contract, or if any part of a lump sum item in a unit price, lump sum, or percentage-bid Contract is omitted by the Commissioner pursuant to Article 33, the Contract price, subject to audit by the EAO, shall be reduced by a pro rata portion of the lump sum bid amount based upon the percent of Work omitted subject to Article 29.4. For the purpose of determining the pro rata portion of the lump sum bid amount, the bid breakdown submitted in accordance with Article 41 shall be considered, but shall not be the determining factor.
- 29.2 If the whole of a lump sum item or units of any other item is so omitted by the **Commissioner** in a unit price, lump sum, or percentage-bid **Contract**, then no payment will be made therefor except as provided in Article 29.4.

- 29.3 For units that have been ordered but are only partially completed, the unit price shall be reduced by a pro rata portion of the unit price bid based upon the percentage of **Work** omitted subject to Article 29.4.
- 29.4 In the event the **Contractor**, with respect to any omitted **Work**, has purchased any non-cancelable material and/or equipment that is not capable of use except in the performance of this **Contract** and has been specifically fabricated for the sole purpose of this **Contract**, but not yet incorporated into the **Work**, the **Contractor** shall be paid for such material and/or equipment in accordance with Article 64.2.1(b); provided, however, such payment is contingent upon the **Contractor's** delivery of such material and/or equipment in acceptable condition to a location designated by the **City**.
- 29.5 The **Contractor** agrees to make no claim for damages or for loss of overhead and profit with regard to any omitted **Work**.

# ARTICLE 30. NOTICE AND DOCUMENTATION OF COSTS AND DAMAGES; PRODUCTION OF FINANCIAL RECORDS

- 30.1 If the Contractor shall claim to be sustaining damages by reason of any act or omission of the City or its agents, it shall submit to the Commissioner within forty-five (45) Days from the time such damages are first incurred, and every thirty (30) Days thereafter for as long as such damages are incurred, verified statements of the details and the amounts of such damages, together with documentary evidence of such damages. The Contractor may submit any of the above statements within such additional time as may be granted by the Commissioner in writing upon written request therefor. Failure of the Commissioner to respond in writing to a written request for additional time within thirty (30) Days shall be deemed a denial of the request. On failure of the Contractor to fully comply with the foregoing provisions, such claims shall be deemed waived and no right to recover on such claims shall exist. Damages that the Contractor may claim in any action or dispute resolution procedure arising under or by reason of this Contract shall not be different from or in excess of the statements and documentation made pursuant to this article.
- 30.2 In addition to the foregoing statements, the Contractor shall, upon notice from the Commissioner, produce for examination at the Contractor's office, by the Engineer, Architect or Project Manager, all of its books of account, bills, invoices, payrolls, subcontracts, time books, daily reports, bank deposit books, bank statements, check books, cancelled checks, showing all of its acts and transactions in connection with or relating to or arising by reason of this Contract, and submit itself and persons in its employment, for examination under oath by any person designated by the Commissioner or Comptroller to investigate claims made or disputes against the City under this Contract. At such examination, a duly authorized representative of the Contractor may be present.
- 30.3 In addition to the statements required under Article 28 and this Article, the Contractor and/or its Subcontractor shall, within thirty (30) Days upon notice from the Commissioner or Comptroller, produce for examination at the Contractor's and/or Subcontractor's office, by a representative of either the Commissioner or Comptroller, all of its books of account, bid documents, financial statements, accountant workpapers, bills, invoices, payrolls, subcontracts, time books, daily reports, bank deposit books, bank statements, check books, cancelled checks, showing all of its acts and transactions in connection with or relating to or arising by reason of this Contract. Further, the Contractor and/or its Subcontractor shall submit any person in its employment, for examination under oath by any person designated by the Commissioner or Comptroller to investigate claims made or disputes against the City under this Contract. At such examination, a duly authorized representative of the Contractor may be present.
- 30.4 Unless the information and examination required under Article 30.3 is provided by the Contractor and/or its Subcontractor upon thirty (30) Days notice from the Commissioner or Comptroller, or upon the Commissioner's or Comptroller's written authorization to extend the time to comply, the City shall be released

from all claims arising under, relating to or by reason of this **Contract**, except for sums certified by the **Commissioner** or **Comptroller** to be due under the provisions of this **Contract**. It is further stipulated and agreed that no person has the power to waive any of the foregoing provisions and that in any action or dispute resolution procedure against the **City** to recover any sum in excess of the sums certified by the **Commissioner** or **Comptroller** to be due under or by reason of this **Contract**, the **Contractor** must allege in its complaint and prove, at trial or during such dispute resolution procedure, compliance with the provisions of this Article.

30.5 In addition, after the commencement of any action or dispute resolution procedure by the **Contractor** arising under or by reason of this **Contract**, the **City** shall have the right to require the **Contractor** to produce for examination under oath, up until the trial of the action or hearing before the Contract Dispute Resolution Board, the books and documents described in Article 30.3 and submit itself and all persons in its employ for examination under oath. If this Article is not complied with as required, then the **Contractor** hereby consents to the dismissal of the action or dispute resolution procedure.

# CHAPTER VII POWERS OF THE RESIDENT ENGINEER, THE ENGINEER OR ARCHITECT AND THE COMMISSIONER

# **ARTICLE 31. THE RESIDENT ENGINEER**

31.1 The **Resident Engineer** shall have the power to inspect, supervise and control the performance of the **Work**, subject to review by the **Commissioner**. The **Resident Engineer** shall not, however, have the power to issue an **Extra Work** order, except as specifically designated in writing by the **Commissioner**.

# ARTICLE 32. THE ENGINEER OR ARCHITECT OR PROJECT MANAGER

- 32.1 The Engineer or Architect or Project Manager, in addition to those matters elsewhere herein delegated to the Engineer and expressly made subject to his/her determination, direction or approval, shall have the power, subject to review by the Commissioner:
  - 32.1.1 To determine the amount, quality, and location of the Work to be paid for hereunder; and
  - 32.1.2 To determine all questions in relation to the Work, to interpret the Contract Drawings, Specifications, and Addenda, and to resolve all patent inconsistencies or ambiguities therein; and
  - 32.1.3 To determine how the **Work** of this **Contract** shall be coordinated with **Work** of other **Contractors** engaged simultaneously on this **Project**, including the power to suspend any part of the **Work**, but not the whole thereof; and
  - 32.1.4 To make minor changes in the Work as he/she deems necessary, provided such changes do not result in a net change in the cost to the City or to the Contractor of the Work to be done under the Contract; and
  - 32.1.5 To amplify the **Contract Drawings**, add explanatory information and furnish additional **Specifications** and drawings, consistent with this **Contract**.
- 32.2 The foregoing enumeration shall not imply any limitation upon the power of the Engineer or Architect or Project Manager, for it is the intent of this Contract that all of the Work shall generally be subject to his/her determination, direction and approval, except where the determination, direction or approval of someone other than the Engineer or Architect or Project Manager is expressly called for herein.

32.3 The Engineer or Architect or Project Manager shall not, however, have the power to issue an Extra Work order, except as specifically designated in writing by the Commissioner.

#### **ARTICLE 33. THE COMMISSIONER**

- 33.1 The **Commissioner**, in addition to those matters elsewhere herein expressly made subject to his/her determination, direction or approval, shall have the power:
  - 33.1.1 To review and make determinations on any and all questions in relation to this **Contract** and its performance; and
  - 33.1.2 To modify or change this **Contract** so as to require the performance of **Extra Work** (subject, however, to the limitations specified in Article 25) or the omission of **Contract Work**; and
  - 33.1.3 To suspend the whole or any part of the **Work** whenever in his/her judgment such suspension is required:
    - 33.1.3(a) In the interest of the City generally; or
    - 33.1.3(b) To coordinate the Work of the various Contractors engaged on this Project to the provisions of Article 12; or
    - 33.1.3(c) To expedite the completion of the entire **Project** even though the completion of this particular **Contract** may thereby be delayed.

#### **ARTICLE 34. NO ESTOPPEL**

- 34.1 Neither the City nor any Agency, officer, agent or employee thereof, shall be bound, precluded or estopped by any determination, decision, approval, order, letter, payment or certificate made or given under or in connection with this Contract by the City, the Commissioner, the Resident Engineer, or any other officer, agent or employee of the City, either before or after the final completion and acceptance of the Work and payment therefor:
  - 34.1.1 From showing the true and correct classification, amount, quality or character of the **Work** actually done; or that any such determination, decision, order, letter, payment or certificate was untrue, incorrect or improperly made in any particular, or that the **Work**, or any part thereof, does not in fact conform to the requirements of this **Contract**; and
  - 34.1.2 From demanding and recovering from the **Contractor** any overpayment made to it, or such damages as the **City** may sustain by reason of the **Contractor's** failure to perform each and every part of its **Contract**.

# CHAPTER VIII LABOR PROVISIONS

# **ARTICLE 35. EMPLOYEES**

- 35.1 The Contractor and its Subcontractors shall not employ on the Work:
  - 35.1.1 Anyone who is not competent, faithful and skilled in the Work for which he/she shall be employed; and whenever the Commissioner shall inform the Contractor, in writing, that any employee is, in his/her opinion, incompetent, unfaithful or disobedient, that

employee shall be discharged from the Work forthwith, and shall not again be employed upon it; or

- 35.1.2 Any labor, materials or means whose employment, or utilization during the course of this Contract, may tend to or in any way cause or result in strikes, work stoppages, delays, suspension of Work or similar troubles by workers employed by the Contractor or its Subcontractors, or by any of the trades working in or about the buildings and premises where Work is being performed under this Contract, or by Other Contractors or their Subcontractors pursuant to other Contracts, or on any other building or premises owned or operated by the City, its Agencies, departments, boards or authorities. Any violation by the Contractor of this requirement may, upon certification of the Commissioner, be considered as proper and sufficient cause for declaring the Contractor to be in default, and for the City to take action against it as set forth in Chapter X of this Contract, or such other article of this Contract as the Commissioner may deem proper; or
- 35.1.3 In accordance with Section 220.3-e of the Labor Law of the State of New York (hereinafter "Labor Law"), the Contractor and its Subcontractors shall not employ on the Work any apprentice, unless he/she is a registered individual, under a bona fide program registered with the New York State Department of Labor. The allowable ratio of apprentices to journey-level workers in any craft classification shall not be greater than the ratio permitted to the Contractor as to its Work force on any job under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered as above, shall be paid the wage rate determined by the Comptroller of the City for the classification of Work actually performed. The Contractor or Subcontractor will be required to furnish written evidence of the registration of its program and apprentices as well as all the appropriate ratios and wage rates, for the area of the construction prior to using any apprentices on the Contract Work.
- 35.2 If the total cost of the **Work** under this **Contract** is at least two hundred fifty thousand dollars, all laborers, workers, and mechanics employed in the performance of the **Contract** on the public work site, either by the **Contractor**, **Subcontractor** or other person doing or contracting to do the whole or a part of the work contemplated by the contract, shall be certified prior to performing any **Work** as having successfully completed a course in construction safety and health approved by the United States department of labor's occupational safety and health administration that is at least ten hours in duration.

# **ARTICLE 36. NO DISCRIMINATION**

- 36.1 The Contractor specifically agrees, as required by Labor Law Section 220-e, as amended, that:
  - 36.1.1 In the hiring of employees for the performance of Work under this Contract or any subcontract hereunder, neither the Contractor, Subcontractor, nor any person acting on behalf of such Contractor or Subcontractor, shall by reason of race, creed, color or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the Work to which the employment relates;
    - 36.1.2 Neither the Contractor, Subcontractor, nor any person on its behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of work under this Contract on account of race, creed, color or national origin;
    - 36.1.3 There may be deducted from the amount payable to the Contractor by the City under this Contract a penalty of fifty (\$50.00) dollars for each person for each Day during which such person was discriminated against or intimidated in violation of the provisions of this Contract; and

- 36.1.4 This Contract may be cancelled or terminated by the City and all moneys due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this article.
- 36.1.5 The aforesaid provisions of this article covering every **Contract** for or on behalf of the State or a municipality for the manufacture, sale or distribution of materials, equipment or supplies shall be limited to operations performed within the territorial limits of the State of New York.
- 36.2 The Contractor specifically agrees, as required by Section 6-108 of the Administrative Code, as amended, that:
  - 36.2.1 It shall be unlawful for any person engaged in the construction, alteration or repair of buildings or engaged in the construction or repair of streets or highways pursuant to a **Contract** with the **City** or engaged in the manufacture, sale or distribution of materials, equipment or supplies pursuant to a **Contract** with the **City** to refuse to employ or to refuse to continue in any employment any person on account of the race, color or creed of such person.
  - 36.2.2 It shall be unlawful for any person or any servant, agent or employee of any person, described in Article 36.1.2, to ask, indicate or transmit, orally or in writing, directly or indirectly, the race, color or creed or religious affiliation of any person employed or seeking employment from such person, firm or corporation.
  - 36.2.3 Breach of the foregoing provisions shall be deemed a violation of a material provision of this **Contract**.
  - 36.2.4 Any person, or the employee, manager or owner of or officer of such firm or corporation who shall violate any of the provisions of this section shall, upon conviction thereof, be punished by a fine of not more than one hundred (\$100.00) dollars or by imprisonment for not more than thirty (30) **Days**, or both.
- 36.3 This Contract is subject to the requirements of Executive Order No. 50 (1980) ("E.O. 50"), as revised, and the Rules and Regulations promulgated thereunder. No Contract will be awarded unless and until these requirements have been complied with in their entirety. By signing this Contract, the Contractor agrees that it:
  - 36.3.1 Will not engage in any unlawful discrimination against any employee or applicant for employment because of race, creed, color, national origin, sex, age, disability, marital status or sexual orientation with respect to all employment decisions including, but not limited to, recruitment, hiring, upgrading, demotion, downgrading, transfer, training, rates of pay or other forms of compensation, layoff, termination, and all other terms and conditions of employment; and
  - 36.3.2 Will not engage in any unlawful discrimination in the selection of **Subcontractors** on the basis of the owner's race, color, creed, national origin, sex, age, disability, marital status or sexual orientation; and
  - 36.3.3 Will state in all solicitations or advertisements for employees placed by or on behalf of the **Contractor** that all qualified applicants will receive consideration for employment without unlawful discrimination based on race, creed, color, national origin, sex, age, citizens status, disability, marital status, sexual orientation, or that it is an equal employment opportunity employer; and
  - 36.3.4 Will send to each labor organization or representative of workers with which it has a Collective Bargaining Agreement or other Contract or memorandum of understanding, written

notification of its equal employment opportunity commitments under E.O. 50 and the Rules and Regulations promulgated thereunder; and

- 36.3.5 Will furnish all information and reports including an Employment Report before the award of the Contract which are required by E.O. 50, the Rules and Regulations promulgated thereunder, and orders of the Department of Business Services, Division of Labor Services ("DLS") and will permit access to its books, records and accounts by the DLS for the purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- 36.4 The Contractor understands that in the event of its noncompliance with the nondiscrimination clauses of this Contract or with any of such rules, regulations, or orders, such noncompliance shall constitute a material breach of this Contract and noncompliance with E.O. 50 and the Rules and Regulations promulgated thereunder. After a hearing held pursuant to the rules of the DLS, the Director of the DLS may direct the Commissioner to impose any or all of the following sanctions:
  - 36.4.1 Disapproval of the Contractor; and/or
  - 36.4.2 Suspension or termination of the Contract; and/or
  - 36.4.3 Declaring the Contractor in default; and/or
  - 36.4.4 In lieu of any of the foregoing sanctions, the Director of the **DLS** may impose an employment program.

Failure to comply with E.O. 50 and the rules and regulations promulgated thereunder, in one or more instances, may result in the **Agency** declaring the **Contractor** to be non-responsible.

The Contractor further agrees that it will refrain from entering into any Contract or Contract modification subject to E.O. 50 and the rules and regulations promulgated thereunder with a Subcontractor who is not in compliance with the requirements of E.O. 50 and the rules and regulations promulgated thereunder.

- 36.5 The Contractor specifically agrees, as required by Section 6-123 of the Administrative Code, that:
  - 36.5.1 The **Contractor** will not engage in any unlawful discriminatory practice in violation of Title VIII of the Administrative Code:
  - 36.5.2 every agreement between the **Contractor** and its **Subcontractors** in excess of \$50,000 shall include a provision that the **Subcontractor** shall not engage in any unlawful discriminatory practice as defined in title viii of the Administrative Code (Section 8-101 et. seq.); and
  - 36.5.3 Any failure to comply with this Article 36.5 may subject the Contractor to the remedies set forth in Section 6-123 of the Administrative Code, including, where appropriate, sanctions such as withholding of payment, imposition of an employment program, finding the Contractor to be in default, cancellation of the Contract, or any other sanction or remedy provided by Law or Contract.

#### **ARTICLE 37. LABOR LAW REQUIREMENTS**

37.1 The **Contractor** shall strictly comply with all applicable provisions of the Labor Law, as amended. Such compliance is a material term of this **Contract**.

- 37.2 The Contractor specifically agrees, as required by Labor Law Section 220 and 220-d, as amended, that:
  - 37.2.1 Hours of Work: No laborer, worker, or mechanic in the employ of the Contractor, Subcontractor or other person doing or contracting to do the whole or a part of the Work contemplated by this Contract shall be permitted or required to work more than eight (8) hours in any one (1) calendar Day, or more than five (5) Days in any one (1) week, except as provided in the Labor Law and in cases of extraordinary emergency including fire, flood, or danger to life or property, or in the case of national emergency when so proclaimed by the President of the United States of America.
  - 37.2.2 In situations in which there are not sufficient laborers, workers and mechanics who may be employed to carry on expeditiously the **Work** contemplated by this **Contract** as a result of such restrictions upon the number of hours and days of labor, and the immediate commencement or prosecution or completion without undue delay of the **Work** is necessary for the preservation of the **Site** and/or for the protection of the life and limb of the persons using the same, such laborers, workers, and mechanics shall be permitted or required to work more than eight (8) hours in any one (1) **Day**; or five (5) **Days** in any one (1) week; provided, however, that upon application of any **Contractor**, the **Commissioner** shall have first certified to the Commissioner of Labor of the State of New York (hereinafter "Commissioner of Labor") that such public **Work** is of an important nature and that a delay in carrying it to completion would result in serious disadvantage to the public; and provided, further, that such Commissioner of Labor shall have determined that such an emergency does in fact exist as provided in Labor Law Section 220.2.
  - 37.2.3 Failure of the Commissioner to make such a certification to the Commissioner of Labor shall not entitle the Contractor to damages for delay or for any cause whatsoever.
  - 37.2.4 Prevailing Rate of Wages: The wages to be paid for a legal day's **Work** to laborers, workers, or mechanics employed upon the **Work** contemplated by this **Contract** or upon any materials to be used thereon shall not be less than the "prevailing rate of wage" as defined in Labor **Law** Section 220, and as fixed by the **Comptroller** in the attached Schedule of Wage Rates and in updated schedules thereof. The prevailing wage rates and supplemental benefits to be paid are those in effect at the time the **Work** is being performed.
  - 37.2.5 Requests for interpretation or correction in the Information for Bidders includes all requests for clarification of the classification of trades to be employed in the performance of the Work under this Contract. In the event that a trade not listed in the Contract is in fact employed during the performance of this Contract, the Contractor shall be required to obtain from the Agency the prevailing wage rates and supplementary benefits for the trades used and to complete the performance of this Contract at the price at which the Contract was awarded.
  - 37.2.6 Minimum Wages: Except for employees whose wage is required to be fixed pursuant to Labor Law Section 220, all persons employed by the Contractor and any Subcontractor in the manufacture or furnishing of the supplies, materials, or equipment, or the furnishing of work, labor, or services, used in the performance of this Contract, shall be paid, without subsequent deduction or rebate unless expressly authorized by Law, not less than the sum mandated by Law. Minimum wages shall be the rates fixed by Federal Law and regulations.
- 37.3 Working Conditions: No part of the **Work**, labor or services shall be performed or rendered by the **Contractor** in any plants, factories, buildings or surroundings or under working conditions which are unsanitary or hazardous or dangerous to the health and safety of employees engaged in the performance of this **Contract**. Compliance with the safety, sanitary and factory inspection **Laws** of the state in which the **Work** is to be performed shall be prima facie evidence of compliance with this article.

- 37.4 Prevailing Wage Enforcement: The Contractor agrees to pay for all costs incurred by the City in enforcing prevailing wage requirements, including the cost of any investigation conducted by or on behalf of the Agency or the Comptroller, where the City discovers a failure to comply with any of the requirements of this Article 37 by the Contractor or its Subcontractor(s). The Contractor also agrees, that should it fail or refuse to pay for any such investigation, the Agency is hereby authorized to deduct from a Contractor's account an amount equal to the cost of such investigation.
  - 37.4.1 The Labor Law Section 220 and Section 220-d, as amended, provide that this **Contract** shall be forfeited and no sum paid for any Work done hereunder on a second conviction for willfully paying less than:
    - 37.4.1(a) The stipulated wage scale as provided in Labor Law Section 220, as amended, or
    - 37.4.1(b) Less than the stipulated minimum hourly wage scale as provided in Labor Law Section 220-d, as amended.
  - 37.4.2 For any breach or violation of either Working Conditions (Article 37.3) and Minimum Wages (Article 37.2.6), the party responsible therefore shall be liable to the City for liquidated damages, which may be withheld from any amounts due on any Contracts with the City of such party responsible, or may be recovered in suits brought by the Corporation Counsel in the name of the City, in addition to damage for any other breach of this Contract, a sum equal to the amount of any underpayment of wages due to any employee engaged in the performance of this Contract. In addition, the Commissioner shall have the right to cancel Contracts and enter into other Contracts for the completion of the original Contract, with or without public letting, and the original Contractor shall be liable for any additional cost. All sums withheld or recovered as deductions, rebates, refunds, or underpayment of wages hereunder, shall be held in a special deposit account and shall be paid without interest, on order of the Comptroller, directly to the employees who have been paid less than minimum rates of pay as set forth herein and on whose account such sums were withheld or recovered, provided that no claims by employees for such payments shall be entertained unless made within two (2) years from the date of actual notice to the Contractor of the withholding or recovery of such sums by the City.
  - 37.4.3 A determination by the **Comptroller** that a **Contractor** and/or its **Subcontractor** willfully violated Labor Law Section 220 will be forwarded to the **City's** five District Attorneys for review.
  - 37.4.4 The Contractor's or Subcontractor's noncompliance with this article and Labor Law Section 220, may result in an unsatisfactory performance evaluation and the Comptroller may also find and determine that the Contractor or Subcontractor willfully violated the New York Labor Law.
    - 37.4.4(a) An unsatisfactory performance evaluation for noncompliance with this article may result in a determination that the **Contractor** is a non-responsible bidder on subsequent procurements with the **City** and thus a rejection of a future award of a contract with the **City**, as well as any other sanctions provided for by **Law**.
    - 37.4.4(b) Labor Law Section 220-b, as amended, provides that when two (2) final determinations have been rendered against a Contractor or Subcontractor within any consecutive six (6) year period determining that such Contractor or Subcontractor has willfully failed to pay the prevailing rate of wages or to provide supplements in accordance with the Labor Law and this article, whether such failures were concurrent or consecutive and whether or not such final determinations concerning separate public work projects are rendered

simultaneously, such Contractor or Subcontractor shall be ineligible to submit a bid on or be awarded any public work contract with the City for a period of five (5) years from the second final determination. If the final determination involves the falsification of payroll records or the kickback of wages or supplements, the Contractor or Subcontractor shall be ineligible to submit a bid on or be awarded any public work contract with the City for a period of five (5) years from the first final determination.

- 37.4.4(c) Labor Law Section 220, as amended, provides that the Contractor or Subcontractor found to have violated this article may be directed to make payment of wages or supplements including interest found to be due, and the Contractor or Subcontractor may be directed to make payment of a further sum as a civil penalty in an amount not exceeding twenty-five (25%) percent of the total amount found to be due.
- 37.5 The Contractor and its Subcontractors shall within ten (10) Days after mailing of a Notice of Award or written order, post in prominent and conspicuous places in each and every plant, factory, building, and structure where employees of the Contractor and its Subcontractors engaged in the performance of this Contract are employed, notices furnished by the City, in relation to prevailing wages and supplements, minimum wages and other stipulations contained in Sections 220 and 220-h of the Labor Law, and the Contractor and its Subcontractors shall continue to keep such notices posted in such prominent and conspicuous places until Final Acceptance of the supplies, materials, equipment, or Work, labor, or services required to be furnished or rendered under this Contract.
- 37.6 The Contractor shall strictly comply with all of the provisions of Articles 37.6.1 through 37.6.5, and provide for all workers, laborers or mechanics in its employ, the following:
  - 37.6.1 Notices Posted At Site: Post, in a location designated by the City, schedules of prevailing wages and supplements for this Project, a copy of all re-determinations of such schedules for the Project, the Workers' Compensation Law Section 51 notice, all other notices required by law to be posted at the Site, the City notice that this Project is a public works Project on which each worker is entitled to receive the prevailing wages and supplements for the occupation at which he or she is working, and all other notices which the City directs the Contractor to post. The Contractor shall provide a surface for such notices which is satisfactory to the City. The Contractor shall maintain and keep current such notices in a legible manner and shall replace any notice or schedule which is damaged, defaced, illegible or removed for any reason. The Contractor shall post such notices before commencing any Work on the Site and shall maintain such notices until all Work on the Site is complete; and
  - 37.6.2 Daily **Site** Sign-in Sheets: Maintain daily **Site** sign-in sheets, and require that **Subcontractors** maintain daily **Site** sign-in sheets for its employees, which include blank spaces for an employee's name to be both printed and signed, job title, date started and Social Security number, the time the employee began **Work** and the time the employee left **Work**, until **Final Acceptance** of the supplies, materials, equipment, or **Work**, labor, or services to be furnished or rendered under this **Contract** unless exception is granted by the Comptroller upon application by the **Agency**. In the alternative, subject to the approval of the CCPO, the **Contractor** and **Subcontractor** may maintain an electronic or biometric sign-in system, which provides the information required by this Article 37.6.2; and
  - 37.6.3 Individual Employee Information Notices: Distribute a notice, to each worker, laborer or mechanic employed under this **Contract**, in a form provided by the **Agency**, that this **Project** is a public work project on which each worker, laborer or mechanic is entitled to receive the prevailing rate of wages and supplements for the occupation at which he or she is working. If the total cost of the **Work** under this **Contract** is at least two hundred fifty thousand dollars, such notice shall also include a statement that, that each worker, laborer or mechanic be certified prior to performing any

Work as having successfully completed a course in construction safety and health approved by the United States department of labor's occupational safety and health administration that is at least ten hours in duration. Such notice shall be distributed to each worker before he or she starts performing any Work of this Contract and with the first paycheck after July first of each year. Worker, laborer or mechanic includes employees of the Contractor and all Subcontractors and all employees of suppliers entering the Site. At the time of distribution, the Contractor shall have each worker, laborer or mechanic sign a statement, in a form provided by the Agency, certifying that the worker has received the notice required by this article, which signed statement shall be maintained with the payroll records required by this Contract; and

- 37.6.3.1 The Contractor and each Subcontractor shall notify each worker, laborer or mechanic employed under this **Contract** in writing of the prevailing rate of wages for their particular job classification. Such notification shall be given to every worker, laborer and mechanic on their first pay stub and with every pay stub thereafter; and
- 37.6.4 **Site** Laminated Identification Badges: Provide laminated identification badges which indicate the worker's, laborer's or mechanic's name, trade, employer's name and employment starting date (month/day/year). Further, require as a condition of employment on the **Site**, that each and every worker, laborer or mechanic wear the laminated identification badge at all times and that it may be seen by any representative of the **City**; and
- 37.6.5 Language Other Than English Used On Site: Provide the ACCO notice when three (3) or more employees (worker and/or laborer and/or mechanic) on the Site, at any time, speak a language other than English. The ACCO will then provide the Contractor the notices in Article 37.6.1 in that language or languages as may be required. The Contractor is responsible for all distributions under Article 37; and
- 37.6.6 Provision of Records: The Contractor and Subcontractor(s) shall produce within five (5) Days on the Site of the Work and upon a written order of the Engineer, the Commissioner, the ACCO, the Agency EAO, or the Comptroller, such records as are required to be kept by this Article 37.6; and
- 37.6.7 If this **Contract** is for an amount greater than \$1,000,000, checks issued by the **Contractor** to covered employees shall be generated by a payroll service or automated payroll system (an inhouse system may be used if approved by the **Agency**). For any subcontract for an amount greater than \$750,000, checks issued by a **Subcontractor** to covered employees shall be generated by a payroll service or automated payroll system (an in-house system may be used if approved by the **Agency**); and
- 37.6.8 The failure of the **Contractor** or **Subcontractor(s)** to comply with the provisions of Articles 37.6.1 through 37.6.7 may result in the **Commissioner** declaring the **Contractor** or **Subcontractor(s)** in default and/or the withholding of payments otherwise due under the **Contract**.
- 37.7 The Contractor and its Subcontractors shall keep such employment and payroll records as are required by Section 220 of the Labor Law.
- 37.8 At the time the **Contractor** makes application for each partial payment and for final payment, the **Contractor** shall submit to the **Commissioner** a written payroll certification, in the form provided by this **Contract**, of compliance with the prevailing wage, minimum wage and other provisions and stipulations required by Labor **Law** Section 220 and of compliance with the training requirements of Labor law section 220-h set forth in Article 35.2. This certification of compliance with the provisions of this article shall be a condition precedent to payment and no payment shall be made to the **Contractor** unless and until each such certification shall have been submitted to and received by the **Commissioner**.

- 37.9 This Contract is executed by the Contractor with the express warranty and representation that the Contractor is not disqualified under the provisions of Section 220 of the Labor Law for the award of the Contract.
- 37.10 Any breach or violation of any of the foregoing shall be deemed a breach or violation of a material provision of this **Contract**, and grounds for cancellation thereof by the **City**.

#### **ARTICLE 38. PAYROLL REPORTS**

- 38.1 The Contractor shall maintain on the Site the original payrolls or transcripts thereof which the Contractor and its Subcontractor(s) are required to maintain pursuant to Labor Law Section 220. The Contractor and Subcontractor(s) shall submit original payrolls or transcripts, subscribed and affirmed by it as true, with each and every payment requisition. The Contractor and Subcontractor(s) shall produce within five (5) Days on the Site of the Work and upon a written order of the Engineer, the Commissioner, the ACCO, the Agency EAO, or the Comptroller, such original payrolls or transcripts thereof, subscribed and affirmed by it as true, and the statements signed by each worker pursuant to this Chapter VIII. In addition, the Contractor and Subcontractor(s) shall furnish to the Engineer upon written demand any other information to satisfy the Engineer that this Chapter VIII and the Labor Law, as to the hours of employment and rates of wages, are being observed. The Contractor shall maintain the payrolls or transcripts thereof for six (6) years from the date of completion of the Work on this Contract.
- 38.2 When directed by the Engineer, the Contractor or Subcontractor shall provide the Engineer with an attendance sheet for each Day on which Work is performed on the Site. Such attendance sheet shall be in a form acceptable to the Agency and shall provide information for employees of the Contractor and Subcontractor(s).

#### **ARTICLE 39. DUST HAZARDS**

39.1 Should a harmful dust hazard be created in performing the **Work** of this **Contract**, for the elimination of which appliances or methods have been approved by the Board of Standards and Appeals of the City of New York, such appliances and methods shall be installed, maintained, and effectively operated during the continuance of such harmful dust hazard. Failure to comply with this provision after notice shall make this **Contract** void.

# CHAPTER IX PARTIAL AND FINAL PAYMENTS

#### **ARTICLE 40. CONTRACT PRICE**

40.1 The City shall pay, and the Contractor agrees to accept, in full consideration for the Contractor's performance of the Work subject to the terms and conditions hereof, the lump sum price or unit prices which this Contract was awarded, plus the amount required to be paid for any Extra Work ordered by the Commissioner under Article 25, less credit for any Work omitted pursuant to Article 29.

#### **ARTICLE 41. BID BREAKDOWN ON LUMP SUM**

41.1 Within fifteen (15) **Days** after the commencement date specified in the Notice to Proceed, unless otherwise directed by the **Resident Engineer**, the **Contractor** shall submit to the **Resident Engineer** a breakdown of its bid price, or of lump sums bid for items of the **Contract**, showing the various operations to be performed

under the Contract, as directed in the progress schedule required under Article 9, and the value of each of such operations, the total of such items to equal the lump sum price bid. Said breakdown must be approved in writing by the Resident Engineer.

- 41.2 No partial payment will be approved until the **Contractor** submits a bid breakdown that is acceptable to the **Resident Engineer**.
- 41.3 The **Contractor** shall also submit such other information relating to the bid breakdown as directed by the **Resident Engineer**. Thereafter, the breakdown may be used only for checking the **Contractor's** applications for partial payments hereunder, but shall not be binding upon the **City**, the **Commissioner**, or the **Engineer** for any purpose whatsoever.

# **ARTICLE 42. PARTIAL PAYMENTS**

- 42.1 From time to time as the **Work** progresses satisfactorily, but not more often than once a month, the **Contractor** may submit to the **Engineer** a requisition for a partial payment in the prescribed form, which shall contain an estimate of the quantity and the fair value of the **Work** done during the payment period.
- 42.2 Partial payments may be made for materials, fixtures and equipment in advance of their actual incorporation in the **Work**, as the **Commissioner** may approve, and upon the terms and conditions set forth in the General Conditions.
- 42.3 The Contractor shall also submit to the Commissioner in connection with every application for partial payment a verified statement in the form prescribed by the Comptroller setting forth the information required under Labor Law Section 220-a.
- 42.4 Within thirty (30) **Days** after receipt of such satisfactory payment application, the **Engineer** will prepare and certify, and the **Commissioner** will approve, a voucher for a partial payment in the amount of such approved estimate, less any and all deductions authorized to be made by the **Commissioner** under the terms of this **Contract** or by **Law**.

#### **ARTICLE 43. PROMPT PAYMENT**

- 43.1 The Prompt Payment provisions of the **PPB** Rules in effect at the time of the Bid will be applicable to payments made under this **Contract**. The provisions require the payment to **Contractor** of interest on payments made after the required payment date, except as set forth in the **PPB** Rules.
- 43.2 The Contractor shall submit a proper invoice to receive payment, except where the Contract provides that the Contractor will be paid at predetermined intervals without having to submit an invoice for each scheduled payment.
  - 43.3 Determination of interest due will be made in accordance with the **PPB** Rules.
- 43.4 If the Contractor is paid interest, the proportionate share of that interest shall be forwarded by the Contractor to its Subcontractor(s).
- 43.5 The Contractor shall pay each Subcontractor or Materialman not later than seven (7) Days after receipt of payment out of amounts paid to the Contractor by the City for Work performed by the Subcontractor or Materialman under this Contract.

- 43.5.1 If Contractor fails to make any payment to any Subcontractor or Materialman within seven (7) days after receipt of payment by the City pursuant to section 43.5 herein, then the Contractor shall pay interest on amounts due to such Subcontractor or Materialman at a rate of interest in effect on the date such payment is made by the Contractor computed in accordance with section 756-b (1)(b) of the NY General Business Law. Accrual of interest shall commence on the day immediately following the expiration of the seventh day following receipt of payment to the Contractor by the City and shall end on the date on which payment is made.
- 43.6 The Contractor shall include in each of its subcontracts a provision requiring each Subcontractor to make payment to each of its Subcontractors or suppliers for Work performed under this Contract in the same manner and within the same time period set forth above.

#### ARTICLE 44. SUBSTANTIAL COMPLETION PAYMENT

- 44.1 When the **Work** in the opinion of the **Commissioner**, has been substantially but not entirely completed, he/she shall issue a certificate of **Substantial Completion**.
  - 44.2 The Contractor shall submit with the Substantial Completion requisition:
    - 44.2.1 A Final Verified Statement of any and all alleged claims against the **City** and any pending dispute resolution procedures in accord with the **PPB** Rules and this **Contract**, in any way connected with or arising out of this **Contract** (including those as to which details may have been furnished pursuant to Articles 11, 27, 28, and 30) setting forth with respect to each such claim the total amount thereof, the various items of labor and materials included therein, and the alleged value of each item; and if the alleged claim be one for delay, the alleged cause of each such delay, the period or periods of time, giving the dates when the **Contractor** claims the performance of the **Work** or a particular part thereof was delayed, and an itemized statement and breakdown of the amount claimed for each such delay.
      - 44.2.1(a) With respect to each such claim, the Commissioner, the Comptroller and, in the event of litigation, the Corporation Counsel of the City shall have the same right to inspect, and to make extracts or copies of, the Contractor's books, vouchers, records, etc., as is referred to in Articles 11, 27, 28, and 30. Nothing contained in this article is intended to or shall relieve the Contractor from the obligation of complying strictly with Articles 11, 27, 28, and 30. The Contractor is warned that unless such claims are completely set forth as herein required, the Contractor upon acceptance of the Substantial Completion payment pursuant to this article, will have waived any such claims.
      - 44.2.2 A Final Approved Punch List.
      - 44.2.3 Where required, a request for a substantial or final extension of time.
- 44.3 The Commissioner shall issue a voucher calling for payment of any part or all of the balance due for Work performed under the Contract, including monies retained under Article 21, less any and all deductions authorized to be made by the Commissioner, under this Contract or by Law, and less twice the amount the Commissioner considers necessary to ensure the completion of the balance of the Work by the Contractor. Such a payment shall be considered a Partial and not a Final Payment. No Substantial Completion payment shall be made under this article where the Contractor shall fail to complete the Work within the time fixed for such completion in the Schedule A of the General Conditions, or within the time to which completion may have been extended, until an extension or extensions of time for the completion of Work have been acted upon pursuant to Article 13.

- 44.4 No further partial payments shall be made to the Contractor after the Commissioner issues a Certificate of Substantial Completion, except the Substantial Completion payment and Contractor's requisition that were properly filed with the Commissioner prior to the date of Substantial Completion; however, the Commissioner may grant a waiver for further partial payments after the date of Substantial Completion to permit payments for change order Work and/or release of retainage and deposits pursuant to Articles 21 and 24. Such waiver shall be in writing.
- 44.5 The **Contractor** acknowledges that nothing contained in this article is intended to or shall in any way diminish the force and effect of Article 13.

# **ARTICLE 45. FINAL PAYMENT**

- 45.1 After completion and **Final Acceptance** of the **Work**, the **Contractor** shall submit all required certificates and documents, together with a requisition for the balance claimed to be due under the **Contract**, less the amount authorized to be retained for maintenance under Article 24. A verified statement similar to that required in connection with applications for partial payments shall also be submitted to the **Commissioner**.
- 45.2 Amended Verified Statement of Claims: The Contractor shall also submit with the final requisition any amendments to the final verified statement of any and all alleged claims against the City, and any pending dispute resolution procedures in accord with the PPB Rules and this Contract, in any way connected with or arising out of this Contract (including those as to which details may have been furnished pursuant to Articles 11, 27, 28, and 30.) that have occurred subsequent to Substantial Completion, setting forth with respect to each such claim the total amount thereof, the various items of labor and materials included therein, and the alleged value of each such item; and if the alleged claim be one for delay, the alleged cause of each such delay, the period or periods of time, giving the dates when the Contractor claims the performance of the Work or a particular part thereof was delayed, and an itemized statement and breakdown of the amount claimed for each such delay. With reference to each such claim, the Commissioner, the Comptroller and, in the event of litigation, the Corporation Counsel of the City shall have the same right to inspect, and to make extracts or copies of, the Contractor's books, vouchers, records, etc., as is referred to in Articles 11, 27, 28, and 30. Nothing contained in this article, is entitled to or shall relieve the Contractor from the obligation of complying strictly with Articles 11, 27, 28, and 30. The Contractor is warned that unless such claims are completely set forth as herein required, the Contractor, upon acceptance of the Final Payment pursuant to Article 46, will have waived any such claims.
- 45.3 Preparation of Final Voucher: Upon determining the balance due hereunder other than on account of claims, the **Engineer** will prepare and certify, for the Commissioner's approval, a voucher for final payment in that amount less any and all deductions authorized to be made by the **Commissioner** under this **Contract** or by **Law**. In the case of a lump sum **Contract**, the **Commissioner** shall certify the voucher for final payment within thirty (30) **Days** from the date of completion and acceptance of the **Work**, provided all requests for extensions of time have been acted upon.
  - 45.3.1 All prior certificates and vouchers upon which partial payments were made, being merely estimates made to enable the **Contractor** to prosecute the **Work** more advantageously, shall be subject to correction in the final voucher, and the certification of the **Engineer** thereon and the approval of the **Commissioner** thereof, shall be conditions precedent to the right of the **Contractor** to receive any money hereunder. Such final voucher shall be binding and conclusive upon the **Contractor**.
  - 45.3.2 Payment pursuant to such final voucher, less any deductions authorized to be made by the **Commissioner** under this **Contract** or by **Law**, shall constitute the final payment, and shall be made by the **Comptroller** within thirty (30) **Days** after the filing of such voucher in his/her office.

45.4 The **Contractor** acknowledges that nothing contained in this article is intended to or shall in any way diminish the force and effect of Article 13.

#### **ARTICLE 46. ACCEPTANCE OF FINAL PAYMENT**

- 46.1 The acceptance by the **Contractor**, or by anyone claiming by or through it, of the final payment, whether such payment be made pursuant to any judgment of any Court, or otherwise, shall constitute and operate as a release to the **City** from any and all claims of and liability to the **Contractor** for anything heretofore done or furnished for the **Contractor** relating to or arising out of this **Contract** and the **Work** done hereunder, and for any prior act, neglect or default on the part of the **City** or any of its officers, agents or employees, excepting only a claim against the **City** for the amounts deducted or retained in accordance with the terms and provisions of this **Contract** or by **Law**, and excepting any claims, not otherwise waived, or any pending dispute resolution procedures which are contained in the verified statement filed with the **Contractor's** substantial and final requisitions pursuant to Articles 44 and 45.
- 46.2 The **Contractor** is warned that the execution by it of a release, in connection with the acceptance of the final payment, containing language purporting to reserve claims other than those herein specifically excepted from the operation of this article, or those for amounts deducted by the **Commissioner** from the final requisition or by the **Comptroller** from the final payment as certified by the **Engineer** and approved by the **Commissioner**, shall not be effective to reserve such claims, anything stated to the **Contractor** orally or in writing by any officer, agent or employee of the **City** to the contrary notwithstanding.
- 46.3 Should the **Contractor** refuse to accept the final payment as tendered by the **Comptroller**, it shall constitute a waiver of any right to interest thereon.
- 46.4 The Contractor, however, shall not be barred from commencing an action for breach of Contract under this provision to the extent permitted by Law and by the terms of the Contract provided that a detailed and verified statement of claim is served upon the contracting Agency and Comptroller not later than forty (40) Days after the mailing of such final payment. The statement shall specify the items upon which the claim will be based and any such claim shall be limited to such items.

#### ARTICLE 47. APPROVAL BY PUBLIC DESIGN COMMISSION

47.1 All works of art, including paintings, mural decorations, stained glass, statues, bas-reliefs and other sculptures, monuments, fountains, arches, and other structures of a permanent character intended for ornament or commemoration, and every design of the same to be used in the performance of this **Contract**, and the design of all bridges, approaches, buildings, gates, fences, lamps, or structures to be erected, pursuant to the terms of this **Contract**, shall be submitted to the Art Commission, d/b/a the Public Design Commission of the City of New York, and shall be approved by the Public Design Commission prior to the erection or placing in the position of the same. The final payment shall not become due or payable under this **Contract** unless and until the Public Design Commission shall certify that the design for the **Work** herein contracted for has been approved by the said Public Design Commission, and that the same has been executed in substantial accordance with the design so approved, pursuant to the provisions of Chapter 37, Section 854 of the **City** Charter, as amended.

# CHAPTER X CONTRACTOR'S DEFAULT

# ARTICLE 48. COMMISSIONER'S RIGHT TO DECLARE CONTRACTOR IN DEFAULT

- 48.1 In addition to those instances specifically referred to in other Articles herein, the **Commissioner** shall have the right to declare the **Contractor** in default of this **Contract** if:
  - 48.1.1 The Contractor fails to commence Work when notified to do so by the Commissioner; or if
    - 48.1.2 The Contractor shall abandon the Work; or if
  - 48.1.3 The Contractor shall refuse to proceed with the Work when and as directed by the Commissioner; or if
  - 48.1.4 The Contractor shall, without just cause, reduce its working force to a number which, if maintained, would be insufficient, in the opinion of the Commissioner, to complete the Work in accordance with the Progress Schedule; or if
  - 48.1.5 The Contractor shall fail or refuse to increase sufficiently such working force when ordered to do so by the Commissioner; or if
  - 48.1.6 The Contractor shall sublet, assign, transfer, convert or otherwise dispose of this Contract other than as herein specified; or sell or assign a majority interest in the Contractor; or if
  - 48.1.7 The Contractor fails to secure and maintain all required insurance; or if
  - 48.1.8 A receiver or receivers are appointed to take charge of the Contractor's property or affairs; or if
  - 48.1.9 The Commissioner shall be of the opinion that the Contractor is or has been unnecessarily or unreasonably or willfully delaying the performance and completion of the Work, or the award of necessary subcontracts, or the placing of necessary material and equipment orders; or if
  - 48.1.10 The Commissioner shall be of the opinion that the Contractor is or has been willfully or in bad faith violating any of the provisions of this Contract; or if
  - 48.1.11 The **Commissioner** shall be of the opinion that the **Work** cannot be completed within the time herein provided therefor or within the time to which such completion may have been extended; provided, however, that the impossibility of timely completion is, in the **Commissioner's** opinion, attributable to conditions within the **Contractor's** control; or if
  - 48.1.12 The Work is not completed within the time herein provided therefor or within the time to which the Contractor may be entitled to have such completion extended; or if
  - 48.1.13 Any statement or representation of the Contractor in the Contract or in any document submitted by the Contractor with respect to the Work, the Project, or the Contract (or for purposes of securing the Contract) was untrue or incorrect when made.
  - 48.1.14 The **Contractor** or any of its officers, directors, partners, five (5%) percent shareholders, principals, or other persons substantially involved in its activities, commits any of the acts or omissions specified as the grounds for debarment in the **PPB** Rules.

48.2 Before the Commissioner shall exercise his/her right to declare the Contractor in default, the Commissioner shall give the Contractor an opportunity to be heard, upon not less than two (2) Days notice.

#### ARTICLE 49. EXERCISE OF THE RIGHT TO DECLARE DEFAULT

- 49.1 The right to declare in default for any of the grounds specified or referred to in Article 48 shall be exercised by sending the **Contractor** a notice, signed by the **Commissioner**, setting forth the ground or grounds upon which such default is declared (hereinafter referred to as a "Notice of Default").
- 49.2 The Commissioner's determination that the Contractor is in default shall be conclusive, final and binding on the parties and such a finding shall preclude the Contractor from commencing a plenary action for any damages relating to the Contract. If the Contractor protests the determination of the Commissioner, the Contractor may commence a lawsuit in a court of competent jurisdiction of the State of New York under Article 78 of the New York Civil Practice Law and Rules.

#### ARTICLE 50. QUITTING THE SITE

50.1 Upon receipt of such notice the **Contractor** shall immediately discontinue all further operations under this **Contract** and shall immediately quit the **Site**, leaving untouched all plant, materials, equipment, tools and supplies then on the **Site**.

#### ARTICLE 51. COMPLETION OF THE WORK

- 51.1 The Commissioner, after declaring the Contractor in default, may then have the Work completed by such means and in such manner, by Contract with or without public letting, or otherwise, as he/she may deem advisable, utilizing for such purpose such of the Contractor's plant, materials, equipment, tools and supplies remaining on the Site, and also such Subcontractors, as he/she may deem advisable.
- 51.2 After such completion, the **Commissioner** shall make a certificate stating the expense incurred in such completion, which shall include the cost of re-letting and also the total amount of liquidated damages (at the rate provided for in the **Contract**) from the date when the **Work** should have been completed by the **Contractor** in accordance with the terms hereof to the date of actual completion of the **Work**. Such certificate shall be binding and conclusive upon the **Contractor**, its Sureties, and any person claiming under the **Contractor**, as to the amount thereof.
- 51.3 The expense of such completion, including any and all related and incidental costs, as so certified by the **Commissioner**, and any liquidated damages assessed against the **Contractor**, shall be charged against and deducted out of monies which are earned by the **Contractor** prior to the date of default. Should the expense of such completion, as certified by the **Commissioner**, exceed the total sum which would have been payable under the **Contract** if it had been completed by the **Contractor**, any excess shall be paid by the **Contractor**.

#### **ARTICLE 52. PARTIAL DEFAULT**

52.1 In case the **Commissioner** shall declare the **Contractor** in default as to a part of the **Work** only, the **Contractor** shall discontinue such part, shall continue performing the remainder of the **Work** in strict conformity with the terms of this **Contract**, and shall in no way hinder or interfere with any **Other Contractor(s)** or persons whom the **Commissioner** may engage to complete the **Work** as to which the **Contractor** was declared in default.

52.2 The provisions of this Chapter relating to declaring the Contractor in default as to the entire Work shall be equally applicable to a declaration of partial default, except that the Commissioner shall be entitled to utilize for completion of the part of the Work as to which the Contractor was declared in default only such plant, materials, equipment, tools and supplies as had been previously used by the Contractor on such part.

#### **ARTICLE 53. PERFORMANCE OF UNCOMPLETED WORK**

53.1 In completing the whole or any part of the Work under the provision of this Chapter X, the Commissioner shall have the power to depart from or change or vary the terms and provisions of this Contract, provided, however, that such departure, change or variation is made for the purpose of reducing the time or expense of such completion. Such departure, change or variation, even to the extent of accepting a lesser or different performance, shall not affect the conclusiveness of the Commissioner's certificate of the cost of completion referred to in Article 51, nor shall it constitute a defense to an action to recover the amount by which such certificate exceeds the amount which would have been payable to the Contractor hereunder but for its default.

# **ARTICLE 54. OTHER REMEDIES**

- 54.1 In addition to the right to declare the **Contractor** in default pursuant to this Chapter X, the **Commissioner** shall have the absolute right, in his/her sole discretion and without a hearing, to complete or cause to complete in the same manner as described in Articles 51 and 53, any or all unsatisfactory or uncompleted punch list **Work** that remains after the completion date specified in the Final Approved Punch List. A written notice of the exercise of this right shall be sent to the **Contractor** who shall immediately quit the **Site** in accordance with the provisions of Article 50.
- 54.2 The previous provisions of this Chapter X shall be in addition to any and all other legal or equitable remedies permissible in the premises.
- 54.3 The exercise by the City of any remedy set forth herein shall not be deemed a waiver by the City of any other legal or equitable remedy contained in this Contract or provided under Law.
- 54.4 The expense of such completion, including any and all related and incidental costs, as so certified by the **Commissioner**, shall be charged against and deducted out of monies which have been earned by the **Contractor** prior to the date of the exercise of the right set forth in Article 54.1; the balance of such monies, if any, subject to the other provisions of this **Contract**, to be paid to the **Contractor** without interest after such completion. Should the expense of such completion, as certified by the **Commissioner**, exceed the total sum which would have been payable under the **Contract** if it had been completed by the **Contractor**, any excess shall be paid by the **Contractor**.

# CHAPTER XI MISCELLANEOUS PROVISIONS

### **ARTICLE 55. CONTRACTOR'S WARRANTIES**

- 55.1 In consideration of, and to induce, the award of this Contract to the Contractor, the Contractor represents and warrants:
  - 55.1.1 That it is financially solvent, sufficiently experienced and competent to perform the **Work**; and

- 55.1.2 That the facts stated in its bid and the information given by it pursuant to the Information for Bidders is true and correct in all respects; and
  - 55.1.3 That it has read and complied with all requirements set forth in the **Contract**.

#### **ARTICLE 56. CLAIMS AND ACTIONS THEREON**

- 56.1 Any claim, that is not subject to dispute resolution under the **PPB** Rules or this **Contract**, against the **City** for damages for breach of **Contract** shall not be made or asserted in any lawsuit, unless the **Contractor** shall have strictly complied with all requirements relating to the giving of notice and of information with respect to such claims, as herein before provided.
- 56.2 Nor shall any lawsuit be instituted or maintained on any such claims unless such lawsuit is commenced within six (6) months after the date the **Commissioner** issues a Certificate of **Substantial Completion** pursuant to Article 44; except that:
  - 56.2.1 Any claims arising out of events occurring after the date the Commissioner issues a Certificate of Substantial Completion and before Final Acceptance of the Work shall be asserted within six (6) months of Final Acceptance of the Work;
  - 56.2.2 Any claims for monies deducted, retained or withheld under the provisions of this **Contract** shall be asserted within six (6) months after the date when such monies becomes due and payable hereunder; and
  - 56.2.3 If the **Commissioner** exercises his/her right to terminate the **Contract** pursuant to Article 64, any such lawsuit shall be commenced within six (6) months of the date the **Commissioner** exercises said right.

#### **ARTICLE 57. INFRINGEMENT**

57.1 The **Contractor** shall be solely responsible for and shall indemnify the **City** against any and all claims and judgments for damages for any infringement of copyright and patents or use of patented articles, tools, materials, equipment, appliances or processes in the performance or completion of the **Work**, including all costs and expenses which the **City** shall or may incur or be obligated to pay by reason thereof.

# ARTICLE 58. NO CLAIM AGAINST OFFICERS, AGENTS OR EMPLOYEES

58.1 No claim whatsoever shall be made by the **Contractor** against any officer, agent or employee of the **City** for, or on account of, anything done or omitted to be done in connection with this **Contract**.

#### ARTICLE 59. SERVICES OF NOTICES

59.1 The **Contractor** hereby designates the business address specified in its bid, as the place where all notices, directions or other communications to the **Contractor** may be delivered, or to which they may be mailed. Actual delivery of any such notice, direction or communication to the aforesaid place, or depositing it in a postpaid wrapper addressed thereto in any post office box (P.O. Box) regularly maintained by the United States Postal Service, shall be conclusively deemed to be sufficient service thereof upon the **Contractor** as the date of such delivery or deposit.

- 59.2 Such address may be changed at any time by an instrument in writing, executed and acknowledged by the **Contractor**, and delivered to the **Commissioner**.
- 59.3 Nothing herein contained shall, however, be deemed to preclude or render inoperative the service of any notice, direction or other communication upon the **Contractor** personally, or, if the **Contractor** is a corporation, upon any officer thereof.

# ARTICLE 60. UNLAWFUL PROVISIONS DEEMED STRICKEN FROM CONTRACT

60.1 If this **Contract** contains any unlawful provision not an essential part of the **Contract** and which shall not appear to have been a controlling or material inducement to the making thereof, the same shall be deemed of no effect and shall, upon notice by either party, be deemed stricken from the **Contract** without affecting the binding force of the remainder.

# ARTICLE 61. ALL LEGAL PROVISIONS DEEMED INCLUDED

61.1 It is the intent and understanding of the parties to this **Contract** that each and every provision of **Law** required to be inserted in this **Contract** shall be and is inserted herein. Furthermore, it is hereby stipulated that every such provision is to be deemed to be inserted herein, and if, through mistake or otherwise, any such provision is not inserted, or is not inserted in correct form, then this **Contract** shall forthwith upon the application of either party be amended by such insertion so as to comply strictly with the **Law** and without prejudice to the rights of either party hereunder.

# **ARTICLE 62. TAX EXEMPTION**

- 62.1 The City is exempt from payment of Federal, State, local taxes and Sales and Compensation Use Taxes of the State of New York and of cities and counties on all materials and supplies sold to the City pursuant to the provisions of this Contract. These taxes are not to be included in bids. However, this exemption does not apply to tools, machinery, equipment or other property leased by or to the Contractor or a Subcontractor, or to supplies and materials which even though they are consumed, are not incorporated into the completed Work (consumable supplies), and the Contractor and its Subcontractors shall be responsible for and pay any and all applicable taxes, including Sales and Compensation Use Taxes, on such leased tools, machinery, equipment or other property and upon all such unincorporated supplies and materials.
- 62.2 The Contractor agrees to sell and the City agrees to purchase all supplies and materials, other than consumable supplies, required, necessary or proper for or incidental to the construction of the **Project** covered by this Contract. The sum paid under this Contract for such supplies and materials shall be in full payment and consideration for the sale of such supplies and materials herein.
  - 62.2.1 The Contractor agrees to construct the Project and to perform all Work, labor and services rendered, necessary, proper or incidental thereto for the sum shown in the bid for the performance of such Work, labor and services, and the sum so paid pursuant to this Contract for such Work, labor, etc., shall be in full consideration for the performance by the Contractor of all its duties and obligations under this Contract in connection with said Work and labor.
- 62.3 The purchase by the **Contractor** of the supplies and materials sold hereunder shall be a purchase or procurement for resale and therefore not subject to the New York State or **City** Sales or Compensation Use Taxes or any such taxes of cities or counties. The sale of such supplies and materials by the **Contractor** to the **City** is exempt from the aforesaid sales or compensating use taxes. With respect to such supplies and materials, the

Contractor, at the request of the City, shall furnish to the City such Bills of Sale and other instruments as may be required by the City, properly executed, acknowledged and delivered assuring to the City title to such supplies and materials, free of liens and/or encumbrances, and the Contractor shall mark or otherwise identify all such materials as the property of the City.

- 62.4 Title to all materials to be sold by the **Contractor** to the **City** pursuant to the provisions of the **Contract** shall immediately vest in and become the sole property of the **City** upon delivery of such supplies and materials to the **Site** and prior to its becoming a part of the permanent structure and/or construction. Notwithstanding such transfer of title, the **Contractor** shall have the full and continuing responsibility to install such materials and supplies in accordance with the provisions of this **Contract**, protect them, maintain them in a proper condition and forthwith repair, replace and make good any damage thereto, theft or disappearance thereof, and furnish additional materials in place of any that may be lost, stolen or rendered unusable, without cost to the **City**, until such time as the **Work** covered by the **Contract** is fully accepted by the **City**. Such transfer of title shall in no way affect any of the **Contractor's** obligations hereunder. In the event that, after title has passed to the **City**, any of such supplies and materials are rejected as being defective or otherwise unsatisfactory, title to all such supplies and materials shall be deemed to have been transferred back to the **Contractor**.
- 62.5 The purchase by **Subcontractors** of supplies and materials to be sold hereunder shall also be a purchase or procurement for resale to the **Contractor** (either directly or through other **Subcontractors**) and therefore not subject to the aforesaid Sales or Compensation Use Taxes, provided that the subcontract agreements provide for the resale of such supplies and materials prior to and separate and apart from the incorporation of such supplies and materials into the permanent structure and/or construction and that such subcontract agreements are in a form similar to this **Contract** with respect to the separation of the sale of materials from the **Work** and labor, services, consumable supplies and any other matters to be provided, and provided further that the subcontract agreements provide separate prices for materials and all other services and matters. Such separation shall actually be followed in practice, including the separation of payments for supplies and materials from the payments for other **Work** and labor and other things to be provided.
- 62.6 The Contractor and its Subcontractors and Materialmen shall obtain any and all necessary Contractor Exempt Purchase Certificates or Resale Certificates from the appropriate governmental Agency or Agencies, and furnish a Contractor Exempt Purchase Certificate or Resale Certificate to all persons, firms or corporations from which they purchase supplies and materials for the performance of the Work covered by this Contract.
- 62.7 In the event any of the provisions of this article shall be deemed to be in conflict with any other provisions of this **Contract** or create any ambiguity, then the provisions of this article shall control.

#### **ARTICLE 63. INVESTIGATION(S) CLAUSE**

- 63.1 The parties to this **Contract** agree to cooperate fully and faithfully with any investigation, audit or inquiry conducted by a United States, a State of New York (State) or a **City** governmental **Agency** or authority that is empowered directly or by designation to compel the attendance of witnesses and to examine witnesses under oath, or conducted by the Inspector General of a governmental **Agency** that is a party in interest to the transaction, submitted bid, submitted proposal, **Contract**, lease, permit or license that is the subject of the investigation, audit or inquiry.
- 63.2 If any person who has been advised that his/her statement, and any information from such statement, will not be used against him/her in any subsequent criminal proceeding refuses to testify before a grand jury or other governmental **Agency** or authority empowered directly or by designation to compel the attendance of witnesses and to examine witnesses under oath concerning the award of or performance under any transaction, agreement, lease, permit, **Contract**, or license entered into with the **City**, the State, or any political subdivision or

public authority thereof, or the Port Authority of New York and New Jersey, or any local development corporation within the City, or any public benefit corporation organized under the Laws of the State of New York, or;

- 63.3 If any person refuses to testify for a reason other than the assertion of his/her privilege against self incrimination in an investigation, audit or inquiry conducted by a **City** or State governmental **Agency** or authority empowered directly or by designation to compel the attendance of witnesses and to take testimony under oath, or by the Inspector General of the governmental **Agency** that is a party in interest in, and is seeking testimony concerning the award of, or performance under any transaction, agreement, lease, permit, **Contract**, or license entered into with the **City**, the State, or any political subdivision thereof or any local development corporation within the **City**, then;
- 63.4 The **Commissioner** whose **Agency** is a party in interest to the transaction, submitted bid, submitted proposal, **Contract**, lease, permit, or license shall convene a hearing, upon not less than five (5) days written notice to the parties involved to determine if any penalties should attach for the failure of a person to testify.
- 63.5 If any non-governmental party to the hearing requests an adjournment, the **Commissioner** who convened the hearing may, upon granting the adjournment, suspend any **Contract**, lease, permit, or license, pending the final determination pursuant to Article 63.7 without the **City** incurring any penalty or damages for delay or otherwise.
- 63.6 The penalties which may attach after a final determination by the Commissioner may include but shall not exceed:
  - 63.6.1 The disqualification for a period not to exceed five (5) years from the date of an adverse determination for any person, or any entity of which such person was a member at the time the testimony was sought, from submitting bids for, or transacting business with, or entering into or obtaining any **Contract**, lease, permit or license with or from the **City**; and/or
  - 63.6.2 The cancellation or termination of any and all such existing City Contracts, leases, permits or licenses that the refusal to testify concerns and that have not been assigned as permitted under this Agreement, nor the proceeds of which pledged, to an unaffiliated and unrelated institutional lender for fair value prior to the issuance of the notice scheduling the hearing, without the City incurring any penalty or damages on account of such cancellation or termination; monies lawfully due for goods delivered, Work done, rentals, or fees accrued prior to the cancellation or termination shall be paid by the City.
- 63.7 The **Commissioner** shall consider and address in reaching his/her determination and in assessing an appropriate penalty the factors in Articles 63.7.1 and 63.7.2. The **Commissioner** may also consider, if relevant and appropriate, the criteria established in Articles 63.7.3 and 63.7.4, in addition to any other information which may be relevant and appropriate:
  - 63.7.1 The party's good faith endeavors or lack thereof to cooperate fully and faithfully with any governmental investigation or audit, including but not limited to the discipline, discharge, or disassociation of any person failing to testify, the production of accurate and complete books and records, and the forthcoming testimony of all other members, agents, assignees or fiduciaries whose testimony is sought.
  - 63.7.2 The relationship of the person who refused to testify to any entity that is a party to the hearing, including but not limited to, whether the person whose testimony is sought has an ownership interest in the entity and/or the degree of authority and responsibility the person has within the entity.

- 63.7.3 The nexus of the testimony sought to the subject entity and its Contracts, leases, permits or licenses with the City.
- 63.7.4 The effect a penalty may have on an unaffiliated and unrelated party or entity that has a significant interest in an entity subject to penalties under Article 63.6, provided that the party or entity has given actual notice to the **Commissioner** upon the acquisition of the interest, or at the hearing called for in Article 63.4, gives notice and proves that such interest was previously acquired. Under either circumstance the party or entity shall present evidence at the hearing demonstrating the potential adverse impact a penalty will have on such person or entity.

# 63.8 Definitions:

- 63.8.1 The term "license" or "permit" as used herein shall be defined as a license, permit, franchise or concession not granted as a matter of right.
- 63.8.2 The term "person" as used herein shall be defined as any natural person doing business alone or associated with another person or entity as a partner, director, officer, principal or employee.
- 63.8.3 The term "entity" as used herein shall be defined as any firm, partnership, corporation, association, joint venture, or person that receives monies, benefits, licenses, leases, or permits from or through the **City** or otherwise transacts business with the **City**.
- 63.8.4 The term "member" as used herein shall be defined as any person associated with another person or entity as a partner, director, officer, principal or employee.
- 63.9 In addition to and notwithstanding any other provision of this Contract, the Commissioner may in his/her sole discretion terminate this Contract upon not less than three (3) Days written notice in the event the Contractor fails to promptly report in writing to the Commissioner of the Department of Investigations ("DOI") of the City any solicitation of money, goods, requests for future employment or other benefit or thing of value, by or on behalf of any employee of the City or other person, firm, corporation or entity for any purpose which may be related to the procurement or obtaining of this Contract by the Contractor, or affecting the performance of this Contract.

#### ARTICLE 64. TERMINATION BY THE CITY

- 64.1 In addition to termination pursuant to any other article of this **Contract**, the **Commissioner** may, at any time, terminate this **Contract** by written notice to the **Contractor**. In the event of termination, the **Contractor** shall, upon receipt of such notice, unless otherwise directed by the **Commissioner**:
  - 64.1.1 Stop Work on the date specified in the notice;
  - 64.1.2 Take such action as may be necessary for the protection and preservation of the City's materials and property;
    - 64.1.3 Cancel all cancelable orders for material and equipment;
  - 64.1.4 Assign to the City and deliver to the Site or another location designated by the Commissioner, any non-cancelable orders for material and equipment that is not capable of use except in the performance of this Contract and has been specifically fabricated for the sole purpose of this Contract and not incorporated in the Work;

- 64.1.5 Take no action which will increase the amounts payable by the City under this Contract.
- 64.2 In the event of termination by the **City** pursuant to this article, payment to the **Contractor** shall be in accordance with Articles 64.2.1, 64.2.2 or 64.2.3, to the extent that each respective article applies.
  - 64.2.1 Lump Sum Contracts or Items: On all lump sum Contracts, or on lump sum items in a Contract, the City will pay the Contractor the sum of Articles 64.2.1(a) and 64.2.1(b), less all payments previously made pursuant to this Contract. On lump sum Contracts only, the City will also pay the Contractor an additional sum as provided in 64.2.1(c).
    - 64.2.1(a) For **Work** completed prior to the notice of termination, the **Contractor** shall be paid a pro rata portion of the lump sum bid amount, plus approved change orders, based upon the percent completion of the **Work**, as determined by the **Commissioner**. For the purpose of determining the pro rata portion of the lump sum bid amount to which the **Contractor** is entitled, the Bid Breakdown submitted in accordance with Article 41 shall be considered, but shall not be dispositive. The **Commissioner's** determination hereunder shall be final, binding and conclusive.
    - 64.2.1(b) For non-cancelable material and equipment, less salvage value, that is not capable of use except in the performance of this **Contract** and has been specifically fabricated for the sole purpose of this **Contract**, but not yet incorporated in the **Work**, the **Contractor** shall be paid the lesser of:
      - 64.2.1(b)(i) The direct cost, as defined in Article 64.2.4; or
      - 64.2.1(b)(ii) The fair and reasonable value, whichever is less, of such material and equipment, plus necessary and reasonable delivery costs.
      - 64.2.1(b)(iii) In addition, the **Contractor** shall be paid five (5%) percent of Article 64.2.1(b)(i) or Article 64.2.1(b)(ii), whichever applies.
    - 64.2.1(c) Except as otherwise provided in Article 64.2.1(d), on all lump sum Contracts, the Contractor shall be paid the percentage indicated below applied to the difference between the total lump sum bid amount and the total of all payments made prior to the notice of termination plus all payments allowed pursuant to Articles 64.2.1(a) and 64.2.1(b):
      - 64.2.1(c)(i) Five (5%) percent of the first five million (\$5,000,000.) dollars; and
      - 64.2.1(c)(ii) Three (3%) percent of any amount between five million (\$5,000,000.) dollars and fifteen million (\$15,000,000.) dollars; plus
      - 64.2.1(c)(iii) One (1%) percent of any amount over fifteen million (\$15,000,000.) dollars.
      - 64.2.1(d) In the event the City terminates a lump sum Contract pursuant to this article within ninety (90) days after registration of the Contract with the Comptroller, the Contractor shall be paid one (1%) percent of the difference between the lump sum bid amount and the total of all payments made pursuant to this article.

- 64.2.2 Unit Price Contracts or Items: On all unit price Contracts, or on unit price items in a Contract, the City will pay the Contractor the sum of Articles 64.2.2(a) and 64.2.2(b), less all payments previously made pursuant to this Contract:
  - 64.2.2(a) For all completed units, the unit price stated in the Contract, and
  - 64.2.2(b) For units that have been ordered but are only partially completed, the **Contractor** will be paid:
    - 64.2.2(b)(i) A pro rata portion of the unit price stated in the **Contract** based upon the percent completion of the unit and
    - 64.2.2(b)(ii) For non-cancelable material and equipment, payment will be made pursuant to Article 64.2.1(b).
- 64.2.3 Time and Material Contracts or Items: On all **Contracts** or items in a **Contract** where time and material records are specified as the basis for payment of the **Work**, the **Contractor** shall be paid in accordance with Article 26, less all payments previously made pursuant to this **Contract**.
  - 64.2.4 Direct Costs: Direct Costs as used in this article shall mean:
    - 64.2.4(a) The actual purchase price of material and equipment, plus necessary and reasonable delivery costs,
      - 64.2.4(b) The actual cost of labor involved in construction and installation at the Site, and
    - 64.2.4(c) The actual cost of necessary bonds and insurance purchased pursuant to requirements of this **Contract** less any amounts that have been or should be refunded by the **Contractor's** sureties or insurance carriers.
      - 64.2.4(d) Direct Cost shall not include overhead.
- 64.3 In no event shall any payments under this article exceed the Contract price for such items.
- 64.4 All payments pursuant to this article shall be in the nature of liquidated damages and shall be accepted by the **Contractor** in full satisfaction of all claims against the **City**.
- 64.5 The City may deduct or set off against any sums due and payable pursuant to this article, any deductions authorized by this Contract or by Law (including but not limited to liquidated damages) and any claims it may have against the Contractor. The City's exercise of the right to terminate the Contract pursuant to this article shall not impair or otherwise effect the City's right to assert any claims it may have against the Contractor in a plenary action.
- 64.6 Where the **Work** covered by the **Contract** has been substantially completed, as determined in writing by the **Commissioner**, termination of the **Work** shall be handled as an omission of **Work** pursuant to Articles 29 and 33, in which case a Change Order will be issued to reflect an appropriate reduction in the **Contract** Sum, or if the amount is determined after final payment, such amount shall be paid by the **Contractor**.

# ARTICLE 65. CHOICE OF LAW, CONSENT TO JURISDICTION AND VENUE

- 65.1 This Contract shall be deemed to be executed in the City of New York, State of New York, regardless of the domicile of the Contractor, and shall be governed by and construed in accordance with the Laws of the State of New York and the Laws of the United States, where applicable.
- 65.2 The parties agree that any and all claims asserted against the City arising under this Contract or related thereto shall be heard and determined in the courts of the State of New York ("New York State Courts") located in the City and County of New York. To effect this Contract and intent, the Contractor agrees:
  - 65.2.1 If the City initiates any action against the Contractor in Federal Court or in New York State Court, service of process may be made on the Contractor either in person, wherever such Contractor may be found, or by registered mail addressed to the Contractor at its address as set forth in this Contract, or to such other address as the Contractor may provide to the City in writing; and
  - 65.2.2 With respect to any action between the **City** and the **Contractor** in New York State Court, the **Contractor** hereby expressly waives and relinquishes any rights it might otherwise have:
    - 65.2.2(a) To move to dismiss on grounds of forum non conveniens;
    - 65.2.2(b) To remove to Federal Court; and
    - 65.2.2(c) To move for a change of venue to a New York State Court outside New York County.
  - 65.2.3 With respect to any action brought by the **City** against the **Contractor** in Federal Court located in the **City**, the **Contractor** expressly waives and relinquishes any right it might otherwise have to move to transfer the action to a United States Court outside the **City**.
  - 65.2.4 If the Contractor commences any action against the City in a Court located other than in the City and State of New York, upon request of the City, the Contractor shall either consent to a transfer of the action to a State Court of competent jurisdiction located in the City and State of New York or, if the Court where the action is initially brought will not or cannot transfer the action, the Contractor shall consent to dismiss such action without prejudice and may thereafter reinstate the action in a State Court of competent jurisdiction in the City.
- 65.3 If any provision(s) of this article is held unenforceable for any reason, each and all other provision(s) shall nevertheless remain in full force and effect.

#### **ARTICLE 66. PARTICIPATION IN AN INTERNATIONAL BOYCOTT**

- 66.1 The Contractor agrees that neither the Contractor nor any substantially owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the Export Administration Act of 1979, as amended, or the regulations of the United States Department of Commerce promulgated thereunder.
- 66.2 Upon the final determination by the Commerce Department or any other **Agency** of the United States as to, or conviction of the **Contractor** or a substantially-owned affiliated company thereof, participation in an international boycott in violation of the provisions of the Export Administration Act of 1979, as amended, or the regulations promulgated thereunder, the **Comptroller** may, at his/her option, render forfeit and void this **Contract**.

66.3 The **Contractor** shall comply in all respects, with the provisions of Section 6-114 of the Administrative Code and the rules and regulations issued by the **Comptroller** thereunder.

# ARTICLE 67. LOCALLY BASED ENTERPRISE PROGRAM

- 67.1 This **Contract** is subject to the requirements of Section 6-108.1 of the Administrative Code and regulations promulgated thereunder. No construction **Contract** shall be awarded unless and until these requirements have been complied with in their entirety.
- 67.2 Unless specifically waived by the **Commissioner** with the approval of the Division of Economic and Financial Opportunity of the Department of Business Services, if any portion of the **Contract** is subcontracted, not less than ten (10%) percent of the total dollar amount of the **Contract** shall be awarded to locally based enterprise ("LBEs"); except that where less than ten (10%) percent of the total dollar amount of the **Contract** is subcontracted, such lesser percentage shall be so awarded.
  - 67.3 The prime Contractor shall not require performance and payment bonds from LBE Subcontractors.
- 67.4 If the Contractor has indicated prior to award that no Work will be subcontracted, no Work shall be subcontracted without the prior approval of the Commissioner, which shall be granted only if the Contractor makes a good faith effort beginning at least six (6) weeks before the Work is to be performed to obtain LBE Subcontractors to perform the Work.
- 67.5 If the **Contractor** has not identified sufficient LBE **Subcontractors** prior to award, it shall sign a letter of compliance stating that it complies with Section 6-108.1 of the Administrative Code, recognizes that achieving the LBE requirement is a condition of its **Contract**, and shall submit documentation demonstrating its good faith efforts to obtain LBEs. After award, the **Contractor** shall begin to solicit LBE's to perform subcontracted **Work** at least six (6) weeks before the date such **Work** is to be performed and shall demonstrate that a good faith effort has been made to obtain LBE's on each subcontract until it meets the required percentage.
- 67.6 Failure of the **Contractor** to comply with the requirements of Section 6-108.1 of the Administrative Code and the regulations promulgated thereunder shall constitute a material breach of **Contract**. Remedy for such breach of **Contract** may include the imposition of any or all of the following sanctions:
  - 67.6.1 Reducing a Contractor's compensation by an amount equal to the dollar value of the percentage of the LBE subcontracting requirement not complied with;
    - 67.6.2 Declaring the Contractor in default;
  - 67.6.3 Where non-compliance is by an LBE, de-certifying and declaring the LBE ineligible to participate in the LBE program for a period of up to three (3) years.

# **ARTICLE 68. ANTITRUST**

68.1 The Contractor hereby assigns, sells and transfers to the City all right, title and interest in and to any claims and causes of action arising under the antitrust Laws of New York State or of the United States relating to the particular goods or services purchased or procured by the City under this Contract.

# **ARTICLE 69. MacBRIDE PRINCIPLES PROVISIONS**

- 69.1 Notice To All Prospective Contractors:
  - 69.1.1 Local Law No. 34 of 1991 became effective on September 10, 1991 and added Section 6-115.1 of the Administrative Code. The local **Law** provides for certain restrictions on **City Contracts** to express the opposition of the people of the **City** to employment discrimination practices in Northern Ireland to promote freedom of work-place opportunity.
  - 69.1.2 Pursuant to Section 6-115.1, prospective **Contractors** for **Contracts** to provide goods or services involving an expenditure of an amount greater than ten thousand (\$10,000.) dollars, or for construction involving an amount greater than fifteen thousand (\$15,000.) dollars, are asked to sign a rider in which they covenant and represent, as a material condition of their **Contract**, that any business operations in Northern Ireland conducted by the **Contractor** and any individual or legal entity in which the **Contractor** holds a ten (10%) percent or greater ownership interest in the **Contractor** will be conducted in accordance with the MacBride Principles of nondiscrimination in employment.
  - 69.1.3 Prospective Contractors are not required to agree to these conditions. However, in the case of Contracts let by competitive sealed bidding, whenever the lowest responsible bidder has not agreed to stipulate to the conditions set forth in this notice and another bidder who has agreed to stipulate to such conditions has submitted a bid within five (5%) percent of the lowest responsible bid for a Contract to supply goods, services or contraction of comparable quality, the Agency shall refer such bids to the Mayor, the Speaker or other officials, as appropriate, who may determine, in accordance with applicable Law and rules, that it is in the best interest of the City that the Contract be awarded to other than the lowest responsible pursuant to Section 313(b)(2) of the City Charter.
  - 69.1.4 In the case of **Contracts** let by other than competitive sealed bidding, if a prospective **Contractor** does not agree to these conditions, no **Agency**, elected official or the **City** Council shall award the **Contract** to that bidder unless the **Agency** seeking to use the goods, services or construction certifies in writing that the **Contract** is necessary for the **Agency** to perform its functions and there is no other responsible **Contractor** who will supply goods, services or construction of comparable quality at a comparable price.
- 69.2 In accordance with Section 6-115.1 of the Administrative Code, the Contractor stipulates that such Contractor and any individual or legal entity in which the Contractor holds a ten (10%) percent or greater ownership interest in the Contractor either:
  - 69.2.1 Have no business operations in Northern Ireland, or
  - 69.2.2 Shall take lawful steps in good faith to conduct any business operations they have in Northern Ireland in accordance with the MacBride Principles, and shall permit independent monitoring of their compliance with such principles.
  - 69.3 For purposes of this Article, the following terms shall have the following meanings:
    - 69.3.1 "MacBride Principles" shall mean those principles relating to nondiscrimination in employment and freedom of work-place opportunity which require employers doing business in Northern Ireland to:

- 69.3.1(a) increase the representation of individuals from under-represented religious groups in the workforce, including managerial, supervisory, administrative, clerical and technical jobs;
- 69.3.1(b) take steps to promote adequate security for the protection of employees from under-represented religious groups both at the work-place and while traveling to and from **Work**;
  - 69.3.1(c) ban provocative religious or political emblems from the workplace;
- 69.3.1(d) publicly advertise all job openings and make special recruitment efforts to attract applicants from under-represented religious groups;
- 69.3.1(e) establish layoff, recall and termination procedures which do not in practice favor a particular religious group;
- 69.3.1(f) abolish all job reservations, apprenticeship restrictions and different employment criteria which discriminate on the basis of religion;
- 69.3.1(g) develop training programs that will prepare substantial numbers of current employees from under-represented religious groups for skilled jobs, including the expansion of existing programs and the creation of new programs to train, upgrade and improve the skills of workers from under-represented religious groups;
- 69.3.1(h) establish procedures to asses, identify and actively recruit employees from under-represented religious groups with potential for further advancement; and
- 69.3.1(i) appoint a senior management staff member to oversee affirmative action efforts and develop a timetable to ensure their full implementation.

69.4 The Contractor agrees that the covenants and representations in Article 69.2 are material conditions to this Contract. In the event the Agency receives information that the Contractor who made the stipulation required by this Article is in violation thereof, the Agency shall review such information and give the Contractor an opportunity to respond. If the Agency finds that a violation has occurred, the Agency shall have the right to declare the Contractor in default in default and/or terminate this Contract for cause and procure supplies, services or Work from another source in the manner the Agency deems proper. In the event of such termination, the Contractor shall pay to the Agency, or the Agency in its sole discretion may withhold from any amounts otherwise payable to the Contractor, the difference between the Contract price for the uncompleted portion of this Contract and the cost to the Agency of completing performance of this Contract either itself or by engaging another Contractor or Contractors. In the case of a requirement Contract, the Contractor shall be liable for such difference in price for the entire amount of supplies required by the Agency for the uncompleted term of Contractor's Contract. In the case of a construction Contract, the Agency shall also have the right to hold the Contractor in partial or total default in accordance with the default provisions of this Contract, and/or may seek debarment or suspension of the Contractor. The rights and remedies of the Agency hereunder shall be in addition to, and not in lieu of, any rights and remedies the Agency has pursuant to this Contract or by operation of Law.

#### ARTICLE 70. HEALTH INSURANCE COVERAGE

70.1 If the price for which this **Contract** was awarded exceeds \$100,000, or if the price for which this **Contract** was awarded when combined with other construction or services contracts awarded the **Contractor** by the **City** in the year prior to award of this **Contract** exceeds \$100,000, the **Contractor**, following registration of the **Contract**, shall be required to submit responses to requests for information regarding the nature of any health

insurance provided by the Contractor to its employees and their spouses and domestic partners, upon request of the **Agency** or other designated **City** agency.

# ARTICLE 71. PROHIBITION OF TROPICAL HARDWOODS

71.1 Tropical hardwoods, as defined in Section 165 of the New York State Finance Law ("Finance Law"), shall not be utilized in the performance of this Contract except as expressly permitted by Section 165 of the Finance Law.

# ARTICLE 72. CONFLICTS OF INTEREST

72.1 Section 2604 of the City Charter and other related provisions of the City Charter, the Administrative Code and the Penal Law are applicable under the terms of this Contract in relation to Conflicts of Interest and shall be extended to Subcontractors authorized to perform Work, labor and services pursuant to this Contract and further, it shall be the duty and responsibility of the Contractor to so inform its respective Subcontractors. Notice is hereby given that, under certain circumstances, penalties may be invoked against the donor as well as the recipient of any form of valuable gift.

## **ARTICLE 73. MERGER CLAUSE**

73.1 The Written Contract herein, contains all the terms and conditions agreed upon by the parties hereto, and no other agreement, oral or otherwise, regarding the subject matter of this Contract shall be deemed to exist or to bind any of the parties hereto, or to vary any of the terms contained herein.

# **ARTICLE 74. STATEMENT OF WORK**

74.1 The Contractor shall furnish all labor and materials and perform all Work in strict accordance with the Specifications and Addenda thereto, numbered ONE THEU SIX.

# ARTICLE 75. COMPENSATION TO BE PAID TO CONTRACTOR,

75.1 The City will pay and the Contractor will accept in full consideration for the performance of the Contract, subject to additions and deductions as provided herein, the total sum of:

Dollars, (\$ 100.0, this said sum being the Amount at which the Contract was awarded to the Contractor at a public letting thereof, based upon the Contractor's bid for the Contract.

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ARTICLE 76. ELECTRONIC FUNDS TRANSFER

76.1 In accordance with Section 6-107.1 of the New York City Administrative Code, the Contractor agrees to accept payments under this Agreement from the City by electronic funds transfer. An electronic funds transfer is any transfer of funds, other than a transaction originated by check, draft or similar paper instrument, which is initiated through an electronic terminal, telephonic instrument or computer or magnetic tape so as to order, instruct or authorize a financial institution to debit or credit an account. Prior to the first payment made under this Agreement, Contractor shall designate one financial institution or other authorized payment agent and shall complete the "EFT Vendor Payment Enrollment Form" (available at <a href="http://www.nyc.gov/dof">http://www.nyc.gov/dof</a>) in order to provide the Commissioner of Finance with information necessary for Contractor to receive electronic funds transfer payments through the designated financial institution or authorized payment agent. The crediting of the amount of a

payment to the appropriate account on the books of a financial institution or other authorized payment agent designated by the Contractor shall constitute full satisfaction by the City for the amount of the payment under this agreement. The account information supplied by the Contractor to facilitate the electronic funds transfer shall remain confidential to the fullest extent provided by law.

76.2 The agency head may waive the application of the requirements herein to payments on contracts entered into pursuant to §315 of the City Charter. In addition, the Commissioner of the Department of Finance and the Comptroller may jointly issue standards pursuant to which the contracting agency may waive the requirements hereunder for payments in the following circumstances: (i) for individuals or classes of individuals for whom compliance imposes a hardship; (ii) for classifications or types of checks; or (iii) in other circumstances as may be necessary in the interest of the City.

# <u>ARTICLE 77 – PARTICIPATION BY MINORITY-OWNED AND WOMEN-OWNED BUSINESS</u> <u>ENTERPRISES IN CITY PROCUREMENT</u>

#### **NOTICE TO ALL PROSPECTIVE CONTRACTORS**

# ARTICLE I. M/WBE PROGRAM

Local Law No. 129 of 2005 added and Local Law 1 of 2013 amended Section 6-129 of the Administrative Code of the City of New York (hereinafter "Section 6-129"). Section 6-129 establishes the program for participation in City procurement ("M/WBE Program") by minority- owned business enterprises ("MBEs") and women-owned business enterprises ("WBEs"), certified in accordance with Section 1304 of the New York City Charter. As stated in Section 6-129, the intent of the program is to address the impact of discrimination on the City's procurement process, and to promote the public interest in avoiding fraud and favoritism in the procurement process, increasing competition for City business, and lowering contract costs. The contract provisions contained herein are pursuant to Section 6-129, and the rules of the Department of Small Business Services ("DSBS") promulgated thereunder.

If this Contract is subject to the M/WBE Program established by Section 6-129, the specific requirements of MBE and/or WBE participation for this Contract are set forth in Schedule B of the Contract (entitled the "M/WBE Utilization Plan"), and are detailed below. The Contractor must comply with all applicable MBE and WBE requirements for this Contract.

All provisions of Section 6-129 are hereby incorporated in the Contract by reference and all terms used herein that are not defined herein shall have the meanings given such terms in Section 6-129. Article I, Part A, below, sets forth provisions related to the participation goals for construction, standard and professional services contracts. Article I, Part B, below, sets forth miscellaneous provisions related to the M/WBE Program.

#### PART A

# PARTICIPATION GOALS FOR CONSTRUCTION, STANDARD AND PROFESSIONAL SERVICES CONTRACTS OR TASK ORDERS

1. The MBE and/or WBE Participation Goals established for this Contract or Task Orders issued pursuant to this Contract, ("Participation Goals"), as applicable, are set forth on Schedule B, Part I to this Contract (see Page 1, line 1 Total Participation Goals) or will be set forth on Schedule B, Part I to Task Orders issued pursuant to this Contract, as applicable.

The Participation Goals represent a percentage of the total dollar value of the Contract or Task Order, as applicable, that may be achieved by awarding subcontracts to firms certified with New York City Department of Small Business Services as MBEs and/or WBEs, and/or by crediting the participation of prime contractors and/or qualified joint ventures as provided in Section 3 below, unless the goals have been waived or modified by Agency in accordance with Section 6-129 and Part A, Sections 10 and 11 below, respectively.

- 2. If **Participation Goals** have been established for this Contract or Task Orders issued pursuant to this Contract, Contractor agrees or shall agree as a material term of the Contract that Contractor shall be subject to the **Participation Goals**, unless the goals are waived or modified by Agency in accordance with Section 6-129 and Part A, Sections 10 and 11 below, respectively.
- 3. If **Participation Goals** have been established for this Contract or Task Order issued pursuant to this Contract, a Contractor that is an MBE and/or WBE shall be permitted to count its own participation toward fulfillment of the relevant **Participation Goal**, provided that in accordance with Section 6-129 the value of Contractor's participation shall be determined by subtracting from the total value of the Contract or Task Order, as applicable, any amounts that the Contractor pays to direct subcontractors (as defined in Section 6-129(c)(13)), and provided further that a Contractor that is certified as both an MBE and a WBE may count its own participation either toward the goal for MBEs or the goal for WBEs, but not both.

A Contractor that is a qualified joint venture (as defined in Section 6-129(c)(30)) shall be permitted to count a percentage of its own participation toward fulfillment of the relevant **Participation Goal**. In accordance with Section 6-129, the value of Contractor's participation shall be determined by subtracting from the total value of the Contract or Task Order, as applicable, any amounts that Contractor pays to direct subcontractors, and then multiplying the remainder by the percentage to be applied to total profit to determine the amount to which an MBE or WBE is entitled pursuant to the joint venture agreement, provided that where a participant in a joint venture is certified as both an MBE and a WBE, such amount shall be counted either toward the goal for MBEs or the goal for WBEs, but not both.

- 4. A. If **Participation Goals** have been established for this Contract, a prospective contractor shall be required to submit with its bid or proposal, as applicable, a completed Schedule B, M/WBE Utilization Plan, Part II (see Pages 2-4) indicating: (a) whether the contractor is an MBE or WBE, or qualified joint venture; (b) the percentage of work it intends to award to direct subcontractors; and (c) in cases where the contractor intends to award direct subcontracts, a description of the type and dollar value of work designated for participation by MBEs and/or WBEs, and the time frames in which such work is scheduled to begin and end. In the event that this M/WBE Utilization Plan indicates that the bidder or proposer, as applicable, does not intend to meet the **Participation Goals**, the bid or proposal, as applicable, shall be deemed non-responsive, unless Agency has granted the bidder or proposer, as applicable, a pre-award waiver of the Participation Goals in accordance with Section 6-129 and Part A, Section 10 below.
- B. (i) If this Contract is for a master services agreement or other requirements type contract that will result in the issuance of Task Orders that will be individually registered ("Master Services Agreement") and is subject to M/WBE Participation Goals, a prospective contractor shall be required to submit with its bid or proposal, as applicable, a completed Schedule B, M/WBE Participation Requirements for Master Services Agreements That Will Require Individually Registered Task Orders, Part II (page 2) indicating the prospective contractor's certification and required affirmations to make all reasonable good faith efforts to meet participation goals established on each individual Task Order issued pursuant to this Contract, or if a partial waiver is obtained or such goals are modified by the Agency, to meet the modified Participation Goals by soliciting and obtaining the participation of certified MBE and/or WBE firms. In the event that the Schedule B indicates that the bidder or proposer, as applicable, does not intend to meet the Participation Goals that may be established on Task Orders issued pursuant to this Contract, the bid or proposal, as applicable, shall be deemed nonresponsive.

- (ii) Participation Goals on a Master Services Agreement will be established for individual Task Orders issued after the Master Services Agreement is awarded. If Participation Goals have been established on a Task Order, a contractor shall be required to submit a Schedule B M/WBE Utilization Plan For Independently Registered Task Orders That Are Issued Pursuant to Master Services Agreements, Part II (see Pages 2-4) indicating: (a) whether the contractor is an MBE or WBE, or qualified joint venture; (b) the percentage of work it intends to award to direct subcontractors; and (c) in cases where the contractor intends to award direct subcontracts, a description of the type and dollar value of work designated for participation by MBEs and/or WBEs, and the time frames in which such work is scheduled to begin and end. The contractor must engage in good faith efforts to meet the Participation Goals as established for the Task Order unless Agency has granted the contractor a pre-award waiver of the Participation Goals in accordance with Section 6-129 and Part A, Section 10 below.
- C. THE BIDDER/PROPOSER MUST COMPLETE THE SCHEDULE B INCLUDED HEREIN A SCHEDULE B SUBMITTED BY (SCHEDULE B, PART II). BIDDER/PROPOSER WHICH DOES NOT INCLUDE THE VENDOR CERTIFICATION AND REQUIRED AFFIRMATIONS (SEE SECTION V OF PART II) WILL BE DEEMED TO BE NON-RESPONSIVE, UNLESS A FULL WAIVER OF THE PARTICIPATION GOALS IS GRANTED (SCHEDULE B, PART III). IN THE EVENT THAT THE CITY DETERMINES THAT THE BIDDER/PROPOSER HAS SUBMITTED A SCHEDULE B WHERE THE **VENDOR** CERTIFICATION AND REQUIRED AFFIRMATIONS ARE COMPLETED BUT OTHER ASPECTS OF THE SCHEDULE B ARE NOT COMPLETE, OR CONTAIN A COPY OR COMPUTATION ERROR THAT IS AT ODDS WITH THE VENDOR CERTIFICATION AND AFFIRMATIONS, THE BIDDER/PROPOSER WILL BE NOTIFIED BY THE AGENCY AND WILL BE GIVEN FOUR (4) CALENDAR DAYS FROM RECEIPT OF NOTIFICATION TO CURE THE SPECIFIED DEFICIENCIES AND RETURN A COMPLETED SCHEDULE B TO THE AGENCY. FAILURE TO DO SO WILL RESULT IN A DETERMINATION THAT THE BID/PROPOSAL IS NON-RESPONSIVE. RECEIPT OF NOTIFICATION IS DEFINED AS THE DATE NOTICE IS E-MAILED OR FAXED (IF THE BIDDER/PROPOSER HAS PROVIDED AN E-MAIL ADDRESS OR FAX NUMBER), OR NO LATER THAN FIVE (5) CALENDAR DAYS FROM THE DATE OF MAILING OR UPON DELIVERY, IF DELIVERED.
- 5. Where an M/WBE Utilization Plan has been submitted, the Contractor shall, within 30 days of issuance by Agency of a notice to proceed, submit a list of proposed persons or entities to which it intends to award subcontracts within the subsequent 12 months. In the case of multiyear contracts, such list shall also be submitted every year thereafter. The Agency may also require the Contractor to report periodically about the contracts awarded by its direct subcontractors to indirect subcontractors (as defined in Section 6-129(c)(22)). PLEASE NOTE: If this Contract is a public works project subject to GML §101(5) (i.e., a contract valued at or below \$3M for projects in New York City) or if the Contract is subject to a project labor agreement in accordance with Labor Law §222, and the bidder is required to identify at the time of bid submission its intended subcontractors for the Wicks trades (plumbing and gas fitting; steam heating, hot water heating, ventilating and air conditioning (HVAC); and electric wiring), the Contractor must identify all those to which it intends to award construction subcontracts for any portion of the Wicks trade work at the time of bid submission, regardless of what point in the life of the contract such subcontracts will occur. In identifying intended subcontractors in the bid submission, bidders may satisfy any Participation Goals established for this Contract by proposing one or more subcontractors that are MBEs and/or WBEs for any portion of the Wicks trade work. In the event that the Contractor's selection of a subcontractor is disapproved, the Contractor shall have a reasonable time to propose alternate subcontractors.
- 6. MBE and WBE firms must be certified by DSBS in order for the Contractor to credit such firms' participation toward the attainment of the **Participation Goals**. Such certification must occur prior to the

firms' commencement of work. A list of MBE and WBE firms may be obtained from the DSBS website at www.nyc.gov/buycertified, by emailing DSBS at buyer@sbs.nyc.gov, by calling (212) 513-6356, or by visiting or writing DSBS at 110 William St., New York, New York, 10038, 7th floor. Eligible firms that have not yet been certified may contact DSBS in order to seek certification by visiting www.nyc.gov/getcertified, emailing MWBE@sbs.nyc.gov, or calling the DSBS certification helpline at (212) 513-6311. A firm that is certified as both an MBE and a WBE may be counted either toward the goal for MBEs or the goal for WBEs, but not both. No credit shall be given for participation by a graduate MBE or graduate WBE, as defined in Section 6-129(c)(20).

- Where an M/WBE Utilization Plan has been submitted, the Contractor shall, with each voucher for payment, and/or periodically as Agency may require, submit statements, certified under penalty of perjury, which shall include, but not be limited to,: the total amount the Contractor paid to its direct subcontractors, and, where applicable pursuant to Section 6-129(j), the total amount direct subcontractors paid to indirect subcontractors; the names, addresses and contact numbers of each MBE or WBE hired as a subcontractor by the Contractor, and, where applicable, hired by any of the Contractor's direct subcontractors; and the dates and amounts paid to each MBE or WBE. The Contractor shall also submit, along with its voucher for final payment: the total amount it paid to subcontractors, and, where applicable pursuant to Section 6-129(j), the total amount its direct subcontractors paid directly to their indirect subcontractors; and a final list, certified under penalty of perjury, which shall include the name, address and contact information of each subcontractor that is an MBE or WBE, the work performed by, and the dates and amounts paid to each.
- 8. If payments made to, or work performed by, MBEs or WBEs are less than the amount specified in the Contractor's M/WBE Utilization Plan, Agency shall take appropriate action, in accordance with Section 6-129 and Article II below, unless the Contractor has obtained a modification of its M/WBE Utilization Plan in accordance with Section 6-129 and Part A, Section 11 below.
- 9. Where an M/WBE Utilization Plan has been submitted, and the Contractor requests a change order the value of which exceeds the greater of 10 percent of the Contract or Task Order, as applicable, or \$500,000, Agency shall review the scope of work for the Contract or Task Order, as applicable, and the scale and types of work involved in the change order, and determine whether the Participation Goals should be modified.
- 10. Pre-award waiver of the Participation Goals. (a) A bidder or proposer, or contractor with respect to a Task Order, may seek a pre-award full or partial waiver of the Participation Goals in accordance with Section 6-129, which requests that Agency change one or more Participation Goals on the grounds that the Participation Goals are unreasonable in light of the availability of certified firms to perform the services required, or by demonstrating that it has legitimate business reasons for proposing a lower level of subcontracting in its M/WBE Utilization Plan.
- (b) To apply for a full or partial waiver of the **Participation Goals**, a bidder, proposer, or contractor, as applicable, must complete Part III (Page 5) of Schedule B and submit such request no later than seven (7) calendar days prior to the date and time the bids, proposals, or Task Orders are due, in writing to the Agency by email at poped@ddc.nyc.gov or via facsimile at (718) 391-1886. Bidders, proposers, or contractors, as applicable, who have submitted requests will receive an Agency response by no later than two (2) calendar days prior to the due date for bids, proposals, or Task Orders; provided, however, that if that date would fall on a weekend or holiday, an Agency response will be provided by close-of-business on the business day before such weekend or holiday date.
- (c) If the Agency determines that the Participation Goals are unreasonable in light of the availability of certified firms to perform the services required, it shall revise the solicitation and extend the deadline for bids and proposals, or revise the Task Order, as applicable.

- (d) Agency may grant a full or partial waiver of the **Participation Goals** to a bidder, proposer or contractor, as applicable, who demonstrates—before submission of the bid, proposal or Task Order, as applicable—that it has legitimate business reasons for proposing the level of subcontracting in its **M/WBE** Utilization Plan. In making its determination, Agency shall consider factors that shall include, but not be limited to, whether the bidder, proposer or contractor, as applicable, has the capacity and the bona fide intention to perform the Contract without any subcontracting, or to perform the Contract without awarding the amount of subcontracts represented by the **Participation Goals**. In making such determination, Agency may consider whether the **M/WBE** Utilization Plan is consistent with past subcontracting practices of the bidder, proposer or contractor, as applicable, has made efforts to form a joint venture with a certified firm, and whether the bidder, proposer, or contractor, as applicable, has made good faith efforts to identify other portions of the Contract that it intends to subcontract.
- Modification of M/WBE Utilization Plan. (a) A Contractor may request a modification of its M/WBE Utilization Plan after award of this Contract. PLEASE NOTE: If this Contract is a public works project subject to GML §101(5) (i.e., a contract valued at or below \$3M for projects in New York City) or if the Contract is subject to a project labor agreement in accordance with Labor Law §222, and the bidder is required to identify at the time of bid submission its intended subcontractors for the Wicks trades (plumbing and gas fitting; steam heating, hot water heating, ventilating and air conditioning (HVAC); and electric wiring), the Contractor may request a Modification of its M/WBE Utilization Plan as part of its bid submission. The Agency may grant a request for Modification of a Contractor's M/WBE Utilization Plan if it determines that the Contractor has established, with appropriate documentary and other evidence, that it made reasonable, good faith efforts to meet the Participation Goals. In making such determination, Agency shall consider evidence of the following efforts, as applicable, along with any other relevant factors:
- (i) The Contractor advertised opportunities to participate in the Contract, where appropriate, in general circulation media, trade and professional association publications and small business media, and publications of minority and women's business organizations;
- (ii) The Contractor provided notice of specific opportunities to participate in the Contract, in a timely manner, to minority and women's business organizations;
- (iii) The Contractor sent written notices, by certified mail or facsimile, in a timely manner, to advise MBEs or WBEs that their interest in the Contract was solicited;
- (iv) The Contractor made efforts to identify portions of the work that could be substituted for portions originally designated for participation by MBEs and/or WBEs in the M/WBE Utilization Plan, and for which the Contractor claims an inability to retain MBEs or WBEs;
- (v) The Contractor held meetings with MBEs and/or WBEs prior to the date their bids or proposals were due, for the purpose of explaining in detail the scope and requirements of the work for which their bids or proposals were solicited;
- (vi) The Contractor made efforts to negotiate with MBEs and/or WBEs as relevant to perform specific subcontracts, or act as suppliers or service providers;
- (vii) Timely written requests for assistance made by the Contractor to Agency's M/WBE liaison officer and to DSBS:
- (viii) Description of how recommendations made by DSBS and Agency were acted upon and an explanation of why action upon such recommendations did not lead to the desired level of participation of MBEs and/or WBEs.

Agency's M/WBE officer shall provide written notice to the Contractor of the determination.

(b) The Agency may modify the **Participation Goals** when the scope of the work has been changed by the Agency in a manner that affects the scale and types of work that the Contractor indicated in its **M/WBE** Utilization Plan would be awarded to subcontractors.

- 12. If this Contract is for an indefinite quantity of construction, standard or professional services or is a requirements type contract and the Contractor has submitted an M/WBE Utilization Plan and has committed to subcontract work to MBEs and/or WBEs in order to meet the Participation Goals, the Contractor will not be deemed in violation of the M/WBE Program requirements for this Contract with regard to any work which was intended to be subcontracted to an MBE and/or WBE to the extent that the Agency has determined that such work is not needed.
- 13. If **Participation Goals** have been established for this Contract or a Task Order issued pursuant to this Contract, at least once annually during the term of the Contract or Task Order, as applicable, Agency shall review the Contractor's progress toward attainment of its M/WBE Utilization Plan, including but not limited to, by reviewing the percentage of work the Contractor has actually awarded to MBE and/or WBE subcontractors and the payments the Contractor made to such subcontractors.
- 14. If **Participation Goals** have been established for this Contract or a Task Order issued pursuant to this Contract, Agency shall evaluate and assess the Contractor's performance in meeting those goals, and such evaluation and assessment shall become part of the Contractor's overall contract performance evaluation.

### PART B: MISCELLANEOUS

- 1. The Contractor shall take notice that, if this solicitation requires the establishment of an **M/WBE** Utilization Plan, the resulting contract may be audited by DSBS to determine compliance with Section 6-129. See §6-129(e)(10). Furthermore, such resulting contract may also be examined by the City's Comptroller to assess compliance with the **M/WBE** Utilization Plan.
- 2. Pursuant to DSBS rules, construction contracts that include a requirement for an M/WBE Utilization Plan shall not be subject to the law governing Locally Based Enterprises set forth in Section 6-108.1 of the Administrative Code of the City of New York.
- 3. DSBS is available to assist contractors and potential contractors in determining the availability of MBEs and/or WBEs to participate as subcontractors, and in identifying opportunities that are appropriate for participation by MBEs and/or WBEs in contracts.
- 4. Prospective contractors are encouraged to enter into qualified joint venture agreements with MBEs and/or WBEs as defined by Section 6-129(c)(30).
- 5. By submitting a bid or proposal the Contractor hereby acknowledges its understanding of the M/WBE Program requirements set forth herein and the pertinent provisions of Section 6-129, and any rules promulgated thereunder, and if awarded this Contract, the Contractor hereby agrees to comply with the M/WBE Program requirements of this Contract and pertinent provisions of Section 6-129, and any rules promulgated thereunder, all of which shall be deemed to be material terms of this Contract. The Contractor hereby agrees to make all reasonable, good faith efforts to solicit and obtain the participation of MBEs and/or WBEs to meet the required **Participation Goals**.

#### ARTICLE II. ENFORCEMENT

1. If Agency determines that a bidder or proposer, as applicable, has, in relation to this procurement, violated Section 6-129 or the DSBS rules promulgated pursuant to Section 6-129, Agency may disqualify such bidder or proposer, as applicable, from competing for this Contract and the Agency may revoke such bidder's or proposer's prequalification status, if applicable.

- 2. Whenever Agency believes that the Contractor or a subcontractor is not in compliance with Section 6-129 or the DSBS rules promulgated pursuant to Section 6-129, or any provision of this Contract that implements Section 6-129, including, but not limited to any M/WBE Utilization Plan, Agency shall send a written notice to the Contractor describing the alleged noncompliance and offering the Contractor an opportunity to be heard. Agency shall then conduct an investigation to determine whether such Contractor or subcontractor is in compliance.
- 3. In the event that the Contractor has been found to have violated Section 6-129, the DSBS rules promulgated pursuant to Section 6-129, or any provision of this Contract that implements Section 6-129, including, but not limited to, any M/WBE Utilization Plan, Agency may determine that one of the following actions should be taken:
- (a) entering into an agreement with the Contractor allowing the Contractor to cure the violation;
- (b) revoking the Contractor's pre-qualification to bid or make proposals for future contracts;
- (c) making a finding that the Contractor is in default of the Contract;
- (d) terminating the Contract;
- (e) declaring the Contractor to be in breach of Contract;
- (f) withholding payment or reimbursement;
- (g) determining not to renew the Contract;
- (h) assessing actual and consequential damages;
- (i) assessing liquidated damages or reducing fees, provided that liquidated damages may be based on amounts representing costs of delays in carrying out the purposes of the M/WBE Program, or in meeting the purposes of the Contract, the costs of meeting utilization goals through additional procurements, the administrative costs of investigation and enforcement, or other factors set forth in the Contract;
- (j) exercising rights under the Contract to procure goods, services or construction from another contractor and charge the cost of such contract to the Contractor that has been found to be in noncompliance; or
- (k) taking any other appropriate remedy.
- 4. If an M/WBE Utilization Plan has been submitted, and pursuant to this Article II, Section 3, the Contractor has been found to have failed to fulfill its Participation Goals contained in its M/WBE Utilization Plan or the Participation Goals as modified by Agency pursuant to Article I, Part A, Section 11, Agency may assess liquidated damages in the amount of ten percent (10%) of the difference between the dollar amount of work required to be awarded to MBE and/or WBE firms to meet the Participation Goals and the dollar amount the Contractor actually awarded and paid, and/or credited, to MBE and/or WBE firms. In view of the difficulty of accurately ascertaining the loss which the City will suffer by reason of Contractor's failure to meet the Participation Goals, the foregoing amount is hereby fixed and agreed as the liquidated damages that the City will suffer by reason of such failure, and not as a penalty. Agency may deduct and retain out of any monies which may become due under this Contract the amount of any such liquidated damages; and in case the amount which may become due under this Contract shall be less than the amount of liquidated damages suffered by the City, the Contractor shall be liable to pay the difference.
- 5. Whenever Agency has reason to believe that an MBE and/or WBE is not qualified for certification, or is participating in a contract in a manner that does not serve a commercially useful function (as defined in Section 6-129(c)(8)), or has violated any provision of Section 6-129, Agency shall notify the Commissioner of DSBS who shall determine whether the certification of such business enterprise should be revoked.

- 6. Statements made in any instrument submitted to Agency pursuant to Section 6-129 shall be submitted under penalty of perjury and any false or misleading statement or omission shall be grounds for the application of any applicable criminal and/or civil penalties for perjury. The making of a false or fraudulent statement by an MBE and/or WBE in any instrument submitted pursuant to Section 6-129 shall, in addition, be grounds for revocation of its certification.
- 7. The Contractor's record in implementing its M/WBE Utilization Plan shall be a factor in the evaluation of its performance. Whenever Agency determines that a Contractor's compliance with an M/WBE Utilization Plan has been unsatisfactory, Agency shall, after consultation with the City Chief Procurement Officer, file an advice of caution form for inclusion in VENDEX as caution data.

Contractor, have executed this agreement	ommissioner, on behalf of the City of New York, and the in quadruplicate, two parts of which are to remain with the Comptroller of the City, and the fourth to be delivered to the
	THE CITY OF NEW YORK
	By:
	CONTRACTOR: Debbe Consk uction Con
	By: Member of Firm or Officer of Corporation)
	Title: President
(Where Contractor is a Corporation, add): Attest:	
Lisa Dl Bonis  Secretary	
Secretary	(Seal)

# ACKNOWLEDGEMENT OF PRINCIPAL, IF A CORPORATION

State of Naw York County of Nassau ss:
On this 3rd day of morth 2014 before me personally came USQ DeBoois
On this day of day of day of
corporation; that one of the seals affixed to said instrument is such seal; that it was so affixed by order of the directors of said corporation, and that he signed his name thereto by like order.
CELESTE MICHELI
NO. 01 MI61 00927 Lebete Micheli
Qualified in Nassau County  Notary Public or Commissioner of Deeds
y Commission Expires November 03, 2015
ACKNOWLEDGEMENT OF PRINCIPAL, IF A PARTNERSHIP
State of county of ss:
On this day of before me personally appeared
On this day of,, before me personally appeared to me known, and known to me to be one of the members of the firm of
described in and who executed the foregoing instrument; and he
acknowledged to me that he executed the same as and for the act and deed of said firm.
Notary Public or Commissioner of Deeds
ACKNOWLEDGEMENT OF PRINCIPAL, IF AN INDIVIDUAL
State of
State of county of ss:
On this,, before me personally appeared
to me known, and known to me to be the person described in and who executed the foregoing instrument; and acknowledged that he executed the same.
Notary Public or Commissioner of Deeds

# ACKNOWLEDGEMENT BY COMMISSIONER State of New YD (X-county of 2014, before me personally came ± day of Mirch to me known, and known to be the Deputy Commissioner of the Department of Design and Construction of The City of New York, the person described as such in and who as such executed the foregoing instrument and acknowledged to me that he executed the same as Deputy Commissioner for the purposes therein mentioned. Commissioner of Deeds Mastry Paulic, Bidls of New York Registration #01/1/5014042 Qualities in Quaent County

Commission Expires July 15, 20

### AUTHORITY

# MAYOR'S CERTIFICATE NO. CBX BUDGET DIRECTOR'S CERTIFICATE NO.

DATED DATED

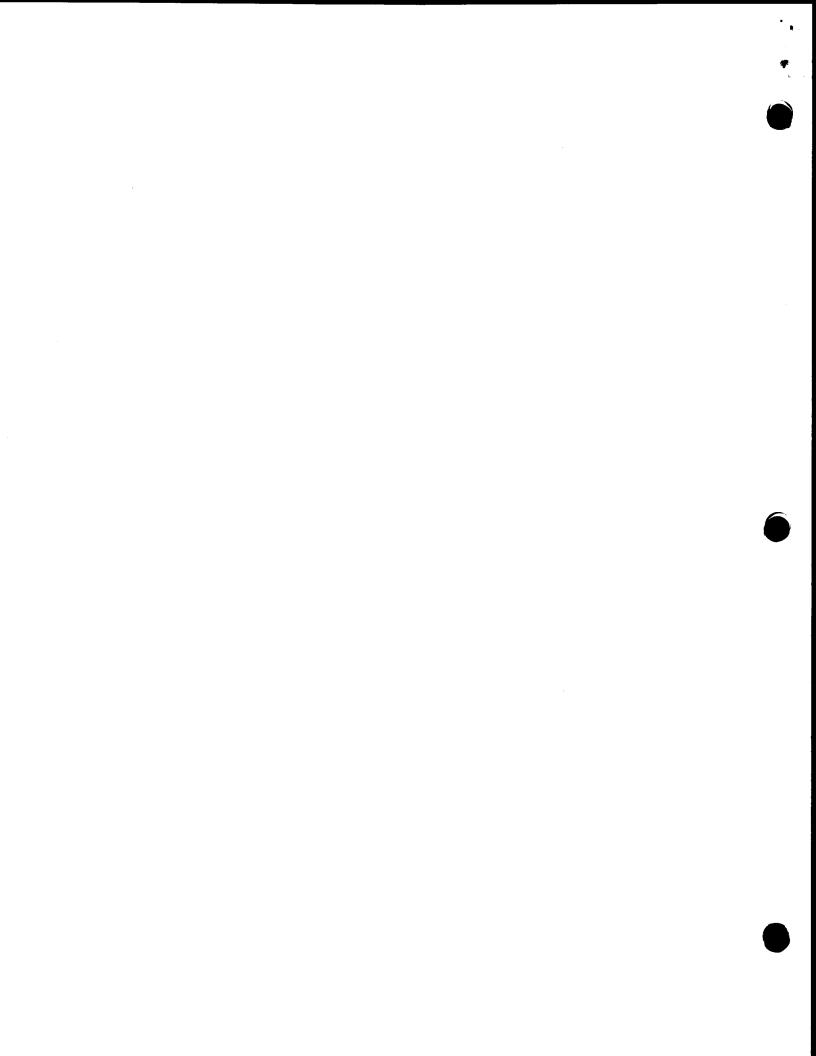
# APPROPRIATION COMMISSIONER'S CERTIFICATE

In conformity with the provisions of Section 6-101 of the Administrative Code of the City of New York, it is hereby certified that the estimated cost of the work, materials and supplies required by the within
Contract, amounting to
Twenty Six Million, Nine
Dollars (\$26,995,000.00
is chargeable to the fund of the Department of Design and Construction entitled Code
c
Department of Design and Construction
I hereby certify that the specifications contained herein comply with the terms and conditions of the BUDGET.
( In to be line
Deput Commissioner
COMPAND OF LED TO CEDIMETED VALLE
COMPTROLLER'S CERTIFICATE
The City of New York
Pursuant to the provisions of Section 6-101 of the Administrative Code of the City of New York, I hereby certify that there remains unapplied and unexpended a balance of the above mentioned fund applicable to this Contract sufficient to pay the estimated expense of executing the same viz:
\$
Comptroller

# PERFORMANCE BOND #2 (Page 1)

## PERFORMANCE BOND #2

BOND NO: 106064304
KNOW ALL MEN BY THESE PRESENTS, That we,
DeBoe Construction Corp.
6 Elks Court, Huntington, NY 11743
Hereinafter referred to as the "Principal", and
Travelers Casualty and Surety Company of America
343 Thornall Street, 5 <sup>th</sup> Floor, Edison, NJ 08837-2238
hereinafter referred to as the "Surety" ("Sureties") are held and firmly bound to THE CITY OF NEW
YORK, hereinafter referred to as the "City", or to its successors and assigns in the penal sum of
Twenty Six Million Nine Hundred Ninety Five Thousand and 00/100 Dollars
(\$26,995,000.00), Dollars lawful money of the United States, for the payment of which said sum of money well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.
WHEREAS, the Principal is about to enter, or has entered, into a Contract in writing with the City for
DDC Project HWXP136A – PIN #8502012HW0039C
Reconstruction of Grand Concourse Service Roads including resurfacing of the main roadway and
widening of medians from East 166 <sup>th</sup> St. to East 171 <sup>st</sup> St. including sewer, water main, street
lighting and traffic signal work , Borough of the Bronx.
a copy of which Contract is annexed to and hereby made a part of this bond as though herein set forth in full.

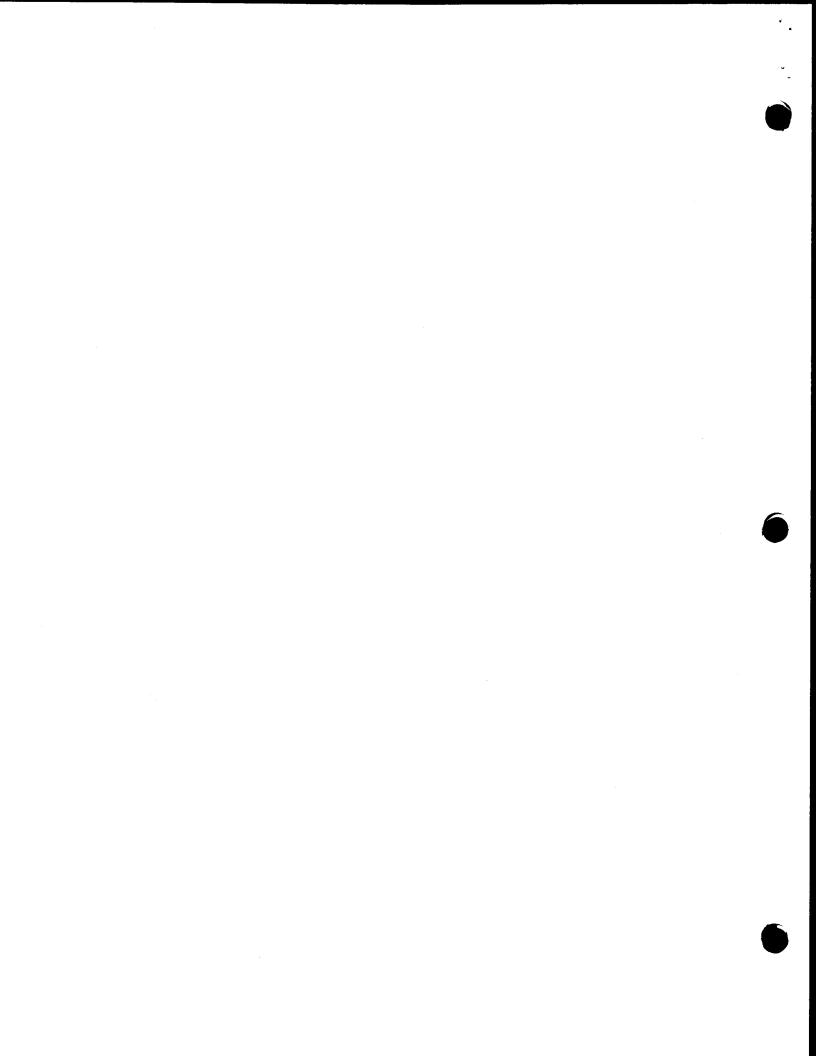


### PERFORMANCE BOND #2 (Page 2)

NOW, THEREFORE, the conditions of this obligation are such that if the Principal, his or its representatives or assigns, shall well and faithfully perform the said Contract and all modifications, amendments, additions and alterations thereto that may hereafter be made, according to its terms and its true intent and meaning, including repair and/or replacement of defective work and guarantees of maintenance for the periods stated in the Contract, and shall fully indemnify and save harmless the City from all cost and damage which it may suffer by reason of failure to do so, and shall fully reimburse and repay the City for all outlay and expense which the City may incur in making good any such default, and shall protect the said City of New York against, and pay any and all amounts, damages, cost and judgments which may or shall be recovered against said City or its officers or agents or which the said City of New York may be called upon to pay any person or corporation by reason of any damages arising or growing out of the doing of said work, or the repair or maintenance thereof, or the manner of doing the same, or the neglect of the said PRINCIPAL, or his (their, its) agents or servants, or the improper performance of the said work by the said PRINCIPAL, or his (their, its) agents or servants, or the infringement of any patent or patent rights by reason of the use of any material furnished or work done as aforesaid or otherwise, then this obligation shall be null and void, otherwise to remain in full force and effect.

The Surety (Sureties), for value received, hereby stipulates and agrees, if requested to do so by the City, to fully perform and complete the Work to be performed under the Contract, pursuant to the terms, conditions, and covenants thereof, if the City determines that the Principal, for any cause, has failed or neglected to fully perform and complete such Work. The Surety (Sureties) further agrees to commence and diligently perform the Work specified in the Contract, including physical site work, within twenty-five (25) business days after written notice thereof from the City and to complete all Work within such time as the City may fix. The Surety and the City reserve all rights and defenses each may have against the other; provided, however, that the Surety expressly agrees that its reservation of rights shall not provide a basis for non-performance of its obligation to commence and to complete all Work as provided herein.

The Surety (Sureties), for value received, for itself and its successors and assigns, hereby stipulates and agrees that the obligation of said Surety (Sureties) and its bond shall be in no way impaired or affected by any extension of time, modification, omission, addition, or change in or to the said Contract or Work to be performed thereunder, or by any payment thereunder before the time required therein, or by any waiver of any provision thereof, or by any assignment, subletting or other transfer thereof or of any Work to be performed or any moneys due or to become due thereunder, and said Surety (Sureties) does hereby waive notice of any and all of such extensions, modifications, omissions, additions, changes, payments, waivers, assignments, subcontracts and transfers, and hereby expressly stipulates and agrees that any and all things done and omitted to be done by ad in relation to assignees, subcontractors, and other transferees shall have the same effect as to said Surety (Sureties) as though done or omitted to be done or in relation to said Principal.



# Performance Bond #2 (Pages 81 to 84): Use if the total contract price is more than\$5 Million

# PERFORMANCE BOND #2 (Page 3)

IN WITNESS WHEREC seals, and such of them as are copresents to be signed by their prop	orporations have o	and the caused t	Surety (Sureties) have hereunt heir corporate seals to be hereu and and day of M	into affixed and these
(Seal)		DeBo	e Construction Corp.  Principal	(L.S.)
		By:	Tusa De Bor	nis
(Seal)		Travele	ers Casualty and Surety Compa	ny of America
		By:	Surety  Glenn Glubiak, Attorney-in	)-Fact
(Seal)				
			Surety	
		By:		
(Seal)				
()			Surety	
		By:		
Bond Premium Rate	Sliding Scale			
Bond Premium Cost	\$195,341			
If the Contractor (Principal) is a partners.	a partnership, the	bond s	hould be signed by each of the	e individuals who are
If the Contractor (Principal) is a authorized officer, agent, or attor		ond sho	uld be signed in its correct cor	porate name by a duly
There should be executed an apcounterparts of the Contract.	propriate number	of coun	terparts of the bond correspond	ding to the number of

PERFORMANCE BOND #1 (Page 4)

		•
		<b>6</b>

# Performance Bond #2 (Pages 81 to 84): Use if the total contract price is more than\$5 Million

ACKNOWL	EDGMENT OF	PRINCIPAL, IF A CO	RPORATION			
State of Ne	ew York	County of Su	iffolk ss:			
On this 3r	d day of <b>N</b>	larch, 2014 before r	ne personally came	Lisa DeE	Bonis	
to me known,	who, being by me	e duly sworn, did depose	and say that she resid	les at	Huntington, NY	
			she is the Presid			_ of
corporation; the	hat one of the sea	d which executed the fore is affixed to said instrum- and that she signed her nar	ent is such seal; that it	t was so affi	the seal of said xed by order of the	e
	FER SPADARO c, State of New York	7	(*	_		
Qualified	01SP5017514 in Suffolk County pires September 7, 20	Notary Publ	ic of Commissioner of I	<u>da c</u> Deeds	`	
	,		•			
ACKNOWL	EDGMENT OF	PRINCIPAL, IF A PAI	RTNERSHIP			
		County of				
On this	day of	before reto be one of the member	ne personally appeare	ed		
to me known,	and known to me					
a also avulado a	to me that he ave		who executed the fore		ument; and he	
acknowledged	i to me that he ex	ecuted the same as and for	or the act and deed of	said firm.		
		Notary Publ	lic or Commissioner of I	Deeds		
ACKNOWL	EDGMENT OF	PRINCIPAL, IF AN IN	DIVIDUAL			
State of		County of	ss:			
On this	day of	before i	ne personally appeare	•d		
<del></del> -		to be the person describ			oing instrument;	
		e executed the same.		C		
		Notary Publ	lic or Commissioner of I	Deeds		
(b) appropriate agent, officer of Surety under	e duly certified cop or other representa er which Power of	ould be accompanied by: py of Power of Attorney tive of Principal or Suret Attorney or other certi latest published financials ****	or other certificate of ty; (c) a duly certified ficate of authority of it	authority whe extract from ts agent, office	nere bond is execut By-Laws or resolu- cer or representative	ed by ations
	A	ffix Acknowledgments a		ureties		

# **ACKNOWLEDGEMENT OF SURETY**

State of NEW YORK	)
	ss
County of SUFFOLK	)

On the 3rd day of A2014, before me personally came GLENN GLUBIAK to me known, who, being by me duly sworn, did depose and say the (s)he resides at COMMACK, NY that (s)he is the Attorney-In-Fact of TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA the Corporation described in and which executed the above instrument; that (s)he knows the seal of said Corporation; that one of the seals affixed by order of the Board of Directors of said Corporation; and that (s)he signed his/her name thereto by like order.

JENNIFER SPADARO
Notary Public State of New York
No. 01SP5017514
Qualified in Suffolk County
Commission Expires Sept. 7

**Notary Public** 

Tennifu Spadai)



#### **POWER OF ATTORNEY**

**Farmington Casualty Company** Fidelity and Guaranty Insurance Company Fidelity and Guaranty Insurance Underwriters, Inc. St. Paul Fire and Marine Insurance Company St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company **Travelers Casualty and Surety Company** 

BOND NO: 106064304

Travelers Casualty and Surety Company of America **United States Fidelity and Guaranty Company** 

Attorney-In Fact No.

214197

005424960 Certificate No.

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Robert Mastrantonio, Frank Streich, Glenn Glubiak, and Jennifer Spadaro

of the City ofSmithtown	1	, State of	New York	, , th	neir true and lawful	Attorney(s)-in-Fa
each in their separate capacity if other writings obligatory in the i						
contracts and executing or guaran						, the periormane
		12 5		<b>)</b>		
N WITNESS WHEREOF, the	Companies have caused	his instrument to be si	gned and their corporate	e seals to be hereto affi	ixed, this	25th
ny of March	, 2013					
				C. D. 134	C	
	Farmington Casualty Fidelity and Guarant	4 20 - 10 - 11 - 12	TV No. 300	St. Paul Mercury Insi Travelers Casualty ar		ıv
	Fidelity and Guarant			Travelers Casualty ar		
	St. Paul Fire and Mar		any	United States Fidelity	and Guaranty Co	ompany
	St. Paul Guardian Ins	surance Company				
CASUA) GENTY WG	THEORIE	MINIMAR CONTROL OF THE CONTROL OF TH	INSU	IN JOLTY AND	40 SURF.	CUTYANO
	INCORPORATED A	Sec.	PORATE	A COUNTY OF A	S HARTENDO S	INCORPORATED 2
	1951	S	EAL S SEAL	HARTFORD, CONN.	HARTFORD, 2	1896
	AN THE STATE OF TH	Managing mount	MASON CO. THE	, interest		YMA
				1	. 11	
				A. L	Zh	
tate of Connecticut			Ву:	YUUTE	sey	
ity of Hartford ss.				Robert L. Rane	y, Senior Vice Preside	nt
ity of flattioid ss.						
ny of Hartford SS.						saviladaad himaa
on this the 25th	day ofMarch		2013, before me persoi			
254	armington Casualty Comp	oany, Fidelity and Gua	ranty Insurance Compar	ny, Fidelity and Guaran	ity Insurance Under	writers, Inc., St.

In Witness Whereof, I hereunto set my hand and official seal. My Commission expires the 30th day of June, 2016.



Marie C. Tetreault, Notary Public

58440-8-12 Printed in U.S.A.

#### WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, and Vi President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 3<sup>rd</sup> day of March, 20



















To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

#### TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

#### HARTFORD, CONNECTICUT 06183

#### FINANCIAL STATEMENT AS OF DECEMBER 31, 2012

#### AS FILED IN THE STATE OF NEW YORK

**CAPITAL STOCK \$ 6,480,000** 

ASSETS		LIABILITIES & SURPLUS	
CASH AND INVESTED CASH BONDS INVESTMENT INCOME DUE AND ACCRUED OTHER INVESTED ASSETS PREMIUM BALANCES NET DEFERRED TAX ASSET REINSURANCE RECOVERABLE SECURITIES LENDING REINVESTED COLLATERAL ASSETS RECEIVABLES FROM PARENT, SUBSIDIARIES AND AFFILIATES UNDISTRIBUTED PAYMENTS OTHER ASSETS	\$ 15,936,791 3,713,171,015 50,798,732 280,730,697 184,942,508 63,274,378 12,410,624 7,769,165 11,080,470 (1,439,585) 884,093	UNEARNED PREMIUMS LOSSES REINSURANCE PAYABLE ON PAID LOSSES & LOSS ADJ. EXPENSES LOSS ADJUSTMENT EXPENSES COMMISSIONS TAXES, LICENSES AND FEES OTHER EXPENSES OTHER EXPENSES FUNDS HELD UNDER REINSURANCE TREATIES CURRENT FEDERAL AND FOREIGN INCOME TAXES REMITTANCES AND ITEMS NOT ALLOCATED AMOUNTS WITHHELD / RETAINED BY COMPANY FOR OTHERS RETROACTIVE REINSURANCE RESERVE ASSUMED POLICYHOLDER DIVIDENDS PROVISION FOR REINSURANCE ADVANCE PREMIUM PAYABLE FOR SECURITIES LENDING CEDED REINSURANCE NET PREMIUMS PAYABLE ESCHEAT LIABILITY OTHER ACCRUED EXPENSES AND LIABILITIES TOTAL LIABILITIES	\$ 783,409,692 901,058,710 1,446,021 534,370,660 29,281,779 66,762,894 35,588,967 94,449,564 60,675,573 19,270,931 79,084,806 3,163,164 6,730,121 5,314,325 726,898 7,769,155 (70,803,744) 625,399 202,062 \$ 2,559,106,957
		CAPITAL STOCK PAID IN SURPLUS OTHER SURPLUS TOTAL SURPLUS TO POLICYHOLDERS	\$ 6,480,000 433,803,760 1,340,168,061 \$ 1,780,451,821
TOTAL ASSETS	\$ 4,339,558,778	TOTAL LIABILITIES & SURPLUS	\$ 4,339,658,778

STATE OF CONNECTICUT

)

COUNTY OF HARTFORD

) \$\$.

CITY OF HARTFORD

)

MICHAEL J. DOODY, BEING DULY SWORN, SAYS THAT HE IS SECOND VICE PRESIDENT, OF TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT STATEMENT OF THE FINANCIAL CONDITION OF SAID COMPANY AS OF THE 31ST DAY OF DECEMBER, 2012.

SUBSCRIBED AND SWORN TO BEFORE ME THIS 20TH DAY OF MARCH, 2013

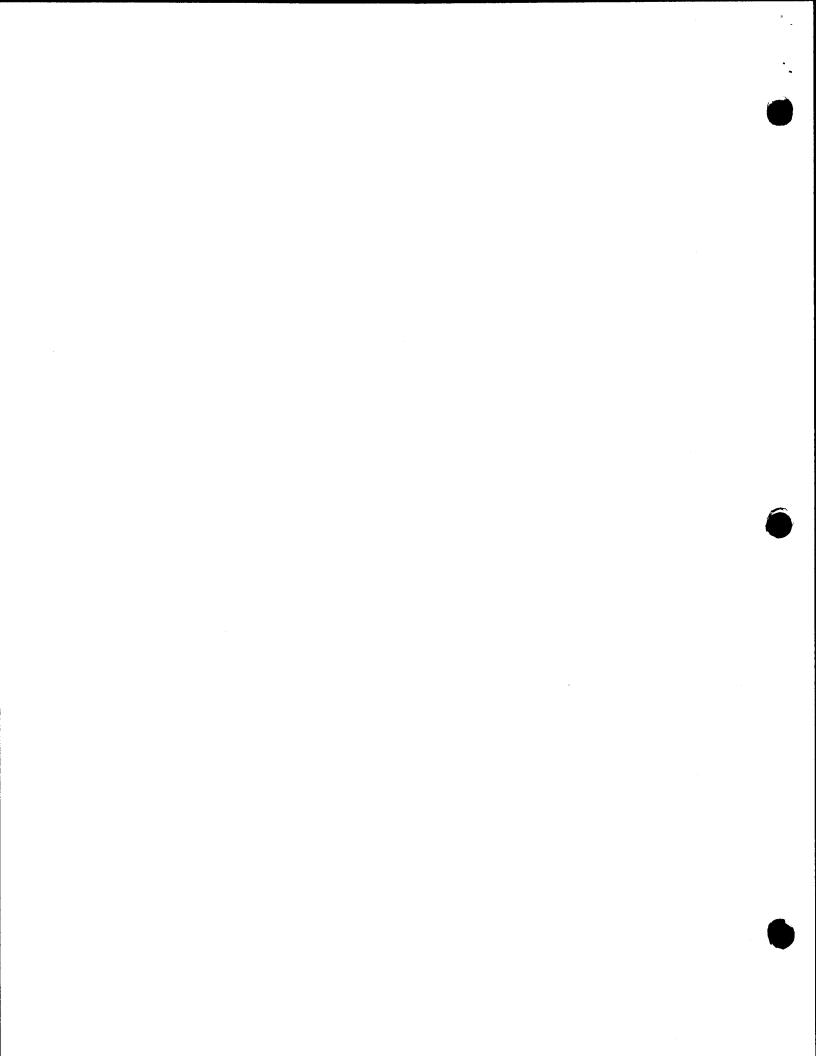
OTAR)

- 14 W

SUSAN M. WEISSLEDER

Notary Public

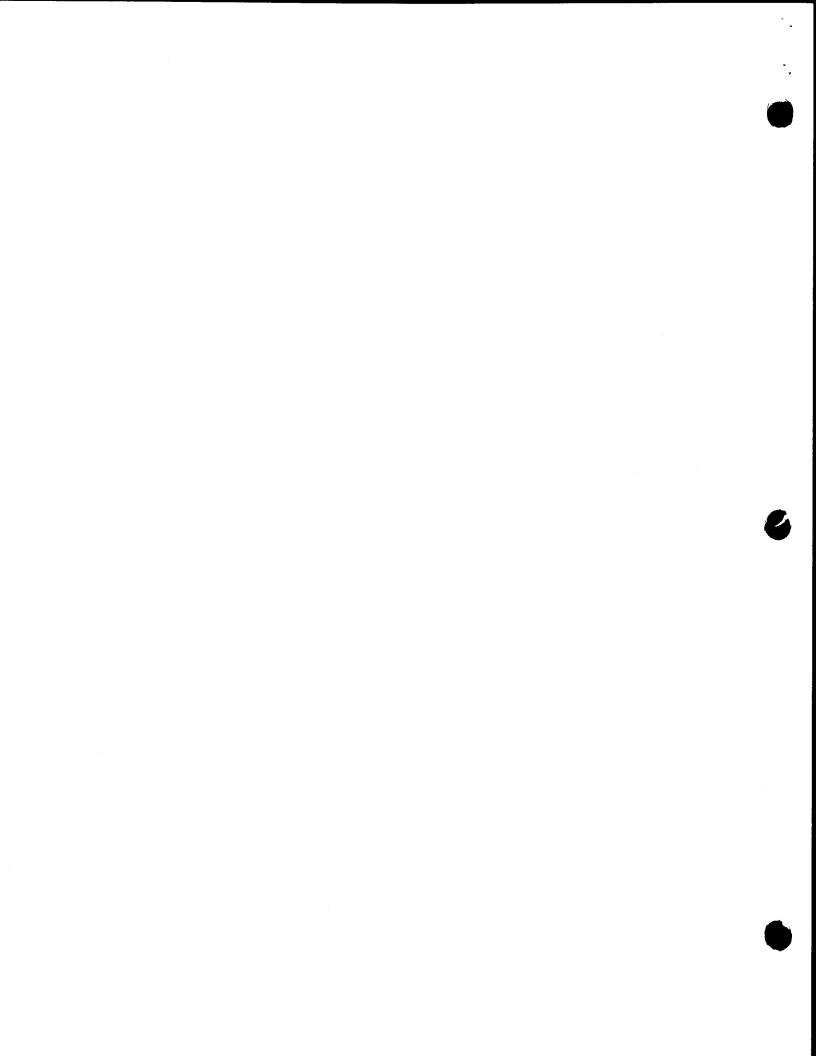
My Commission Expires November 30, 2017



# Payment Bond (Pages 85 to 88): Use for any contract for which a Payment Bond is required.

PAYMENT BOND (Page 1)

PAYMENT BOND BOND NO: 106064304
KNOW ALL MEN BY THESE PRESENTS, That we,
DeBoe Construction Corp.
6 Elks Court, Huntington, NY 11743
Hereinafter referred to as the "Principal", and
Travelers Casualty and Surety Company of America
343 Thornall Street, 5 <sup>th</sup> Floor, Edison, NJ 08837-2238
hereinafter referred to as the "Surety" ("Sureties") are held and firmly bound to THE CITY OF NEW YORK hereinafter referred to as the "City", or to its successors and assigns in the penal sum of
Twenty Six Million Nine Hundred Ninety Five Thousand and 00/100 Dollars
(\$ 26,995,000.00), Dollars lawful money of the United States, for the payment of which said sum of money well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.
WHEREAS, the Principal is about to enter, or has entered, into a Contract in writing with the City for
DDC Project HWXP136A – PIN #8502012HW0039C
Reconstruction of Grand Concourse Service Roads including resurfacing of the main roadway and
widening of medians from East 166 <sup>th</sup> St. to East 171 <sup>st</sup> St. including sewer, water main, street
lighting and traffic signal work , Borough of the Bronx.
a copy of which Contract is annexed to and hereby made a part of this bond as though herein set forth in full:
NOW, THEREFORE, the conditions of this obligation are such that if the Principal, his or its representatives or assigns and other Subcontractors to whom Work under this Contract is sublet and his or their successors and assigns shall promptly pay or cause to be paid all lawful claims for
(a) Wages and compensation for labor performed and services rendered by all persons engaged in the prosecution of the Work under said Contract, and any amendment or extension thereof or addition thereto, whether such persons be agents, servants or employees of the Principal or any such Subcontractor, including all persons so engages who perform the work of laborers or mechanics at or in the vicinity of the site



#### PAYMENT BOND (Page 2)

of the Project regardless of any contractual relationship between the Principal or such Subcontractors, or his or their successors or assigns, on the one hand and such laborers or mechanics on the other, but not including office employees not regularly stationed at the site of the project; and

(b) Materials and supplies (whether incorporated in the permanent structure or not), as well as teams, fuels, oils, implements or machinery furnished, used or consumed by said Principal or any subcontractor at or in the vicinity of the site of the Project in the prosecution of the Work under said Contract and any amendment or extension thereof or addition thereto; then this obligation shall be void, otherwise to remain in full force and effect.

This bond is subject to the following additional conditions, limitations and agreements:

- (a) The Principal ad Surety (Sureties) agree that this bond shall be for the benefit of any materialmen or laborer having a just claim, as well as the City itself.
- (b) All persons who have performed labor, rendered services or furnished materials and supplies, as aforesaid, shall have a direct right of action against the principal and his, its or their successors and assigns, and the Surety (Sureties) herein, or against either or both or any of them and their successors and assigns. Such persons may sue in their own name, and may prosecute the suit to judgment and execution without the necessity of joining with any other person as party plaintiff.
- (c) The Principal and Surety (Sureties) agree that neither of them will hold the City liable for any judgment for costs of otherwise, obtained by either or both of them against a laborer or materialman in a suit brought by either a laborer or materialman under this bond for moneys allegedly due for performing work or furnishing material.
- (d) The Surety (Sureties) or its successors and assigns shall not be liable for any compensation recovered by an employee or laborer under the Workmen's Compensation Law.
- (e) In no event shall the Surety (Sureties), or its successors or assigns, e liable for a greater sum than the penalty of this bond or be subject to any suit, action or proceeding hereon that is instituted by any person, firm, or corporation hereunder later than two years after the complete performance of said Contract and final settlement thereof.

The Principal, for himself and his successors and assigns, and the Surety (Sureties), for itself and its successors and assigns, do hereby expressly waive any objection that might be interposed as to the right of the City to require a bond containing the foregoing provisions, and they do herby further expressly waive any defense which they or either of them might interpose to an action brought hereon by any person, firm or corporation, including subcontractors, materialmen and third persons, for work, labor, services, supplies or material performed rendered, or furnished as aforesaid upon the ground that there is no law authorizing the City to require the foregoing provision to be place in this bond.

And the Surety (Sureties), for value received, for itself and its successors and assigns, hereby stipulates an agrees that the obligation of said Surety (Sureties), and its bonds shall be in no way impaired or affected by any extension of time, modification, omission, addition, or change in or of the said Contract or the work to be performed thereunder, or by any payment thereunder before the time required therein, or by any waiver of any provisions thereof, or by any assignment, subletting or other transfer thereof or of any part thereof, or of any Work to be performed, or any moneys due to become due thereunder and said Surety (Sureties) does hereby waive notice of any and all of such extensions, modifications, omissions, additions, changes, payments, waivers, assignments, subcontracts and transfers, and hereby expressly stipulates and agrees that any and all things done and omitted to be done by ad in relation to assignees, Subcontractors, and other transferees shall have the same effect as to said Surety (Sureties) as though done or omitted to be done or in relation to said Principal.

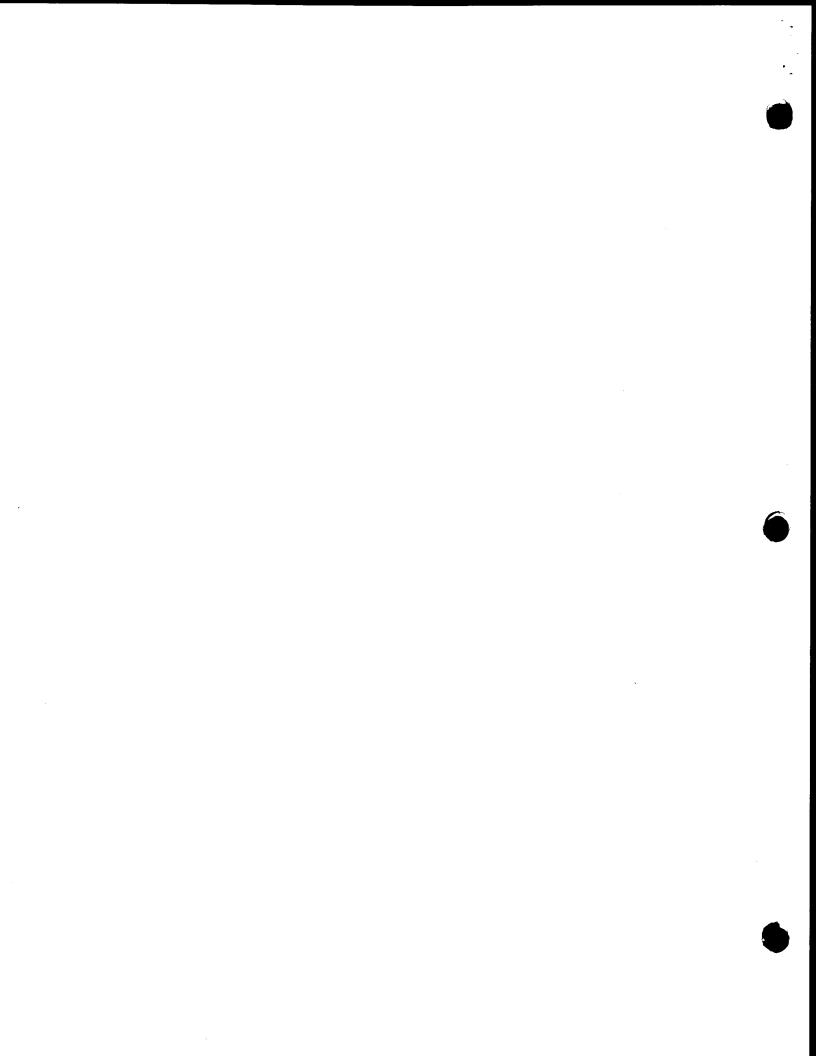
## Payment Bond (Pages 85 to 88): Use for any contract for which a Payment Bond is required.

## PAYMENT BOND (Page 3)

	and the Surety (Sureties) have hereunto set their hands and caused their corporate seals to be hereunto affixed and these day of March, 2014 .
(Seal)	DeBoe Construction Corp. (L.S.) Principal
	By: Msa De Bonis
(Seal)	Travelers Casualty and Surety Company of America Surety
	By: Glenn Glubiak, Attorney-in-Fact
(Seal)	Surety
	By:
(Seal)	
	Surety
	By:
If the Contractor (Principal) is a partnership, the partners.	e bond should be signed by each of the individuals who are
If the Contractor (Principal) is a corporation, the duly authorized officer, agent, or attorney-in-fact.	ne bond should be signed in its correct corporate name by a

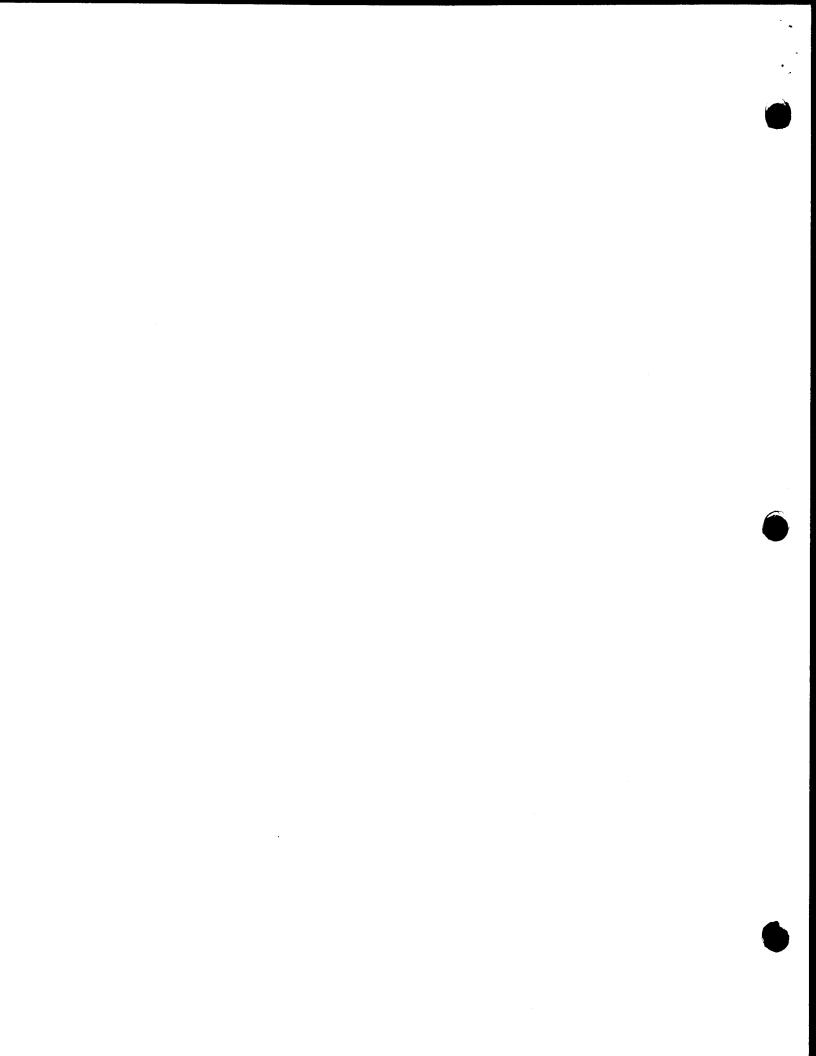
There should be executed an appropriate number of counterparts of the bond corresponding to the number

of counterparts of the Contract.



PAYMENT BOND (Page 4)

ACKNO	WEEDG					
State of	New Y	ork	County of	Suffolk	ss:	
On this	3rd	day of Mar	ch, 2014 befo	ore me personall	v came Lisa	DeBonis
to me kno	wn, who	, being by me d	uly sworn, did der	pose and say that	t she resides at	Huntington, NY
				-		ows the seal of said
corporation directors JE Notary Qua Commission	on; that or of said co ENNIFER S Public, Sta NO. 01SP5 alified in Suf on Expires S	ne of the seals a prporation, and the PADARO te of New York 1017514 Ifolk County September 7, 2017	offixed to said instant that she signed her	rument is such s r name hereto by Mufu — Public or Commis	eal; that it was so like order.  Declar ssioner of Deeds	affixed by order of the
State of			County of			
On this		day of	bef	ore me personall	y appeared	
to me kno	own and					
	own, and	known to me to	be one of the men	mbers of the firn	n of	
acknowle				and who execute	ed the foregoing i	instrument; and he
acknowle			described in ited the same as a	and who execute nd for the act and	ed the foregoing in deed of said fire	instrument; and he
	edged to n	ne that he execu	described in ited the same as a Notary	and who executed and for the act and Public or Commission	ed the foregoing in deed of said fire	instrument; and he
	edged to n	me that he execu	described in ited the same as a Notary	and who executed not for the act and Public or Commission INDIVIDUAL	ed the foregoing in deed of said fire	instrument; and he
ACKNO State of	edged to n	me that he execu	described in ited the same as a Notary  RINCIPAL, IF Al  County of	and who execute nd for the act and Public or Commis	ed the foregoing in deed of said firms ssioner of Deeds	instrument; and he m.
ACKNO State of	edged to n	me that he execu	described in ited the same as a Notary  RINCIPAL, IF Al  County of	and who execute nd for the act and Public or Commis	ed the foregoing in deed of said firms ssioner of Deeds	instrument; and he m.
ACKNO State of On this to me kno	WLEDG	MENT OF PR	described in ited the same as a Notary  RINCIPAL, IF Al  County of	Public or Commis  N INDIVIDUAL  Tore me personall scribed in and wi	ed the foregoing in deed of said firms ssioner of Deeds	instrument; and he
ACKNO State of On this to me kno	WLEDG	MENT OF PR	described in ited the same as a Notary  RINCIPAL, IF All  County of before the person desixecuted the same.	Public or Commis  N INDIVIDUAL  Tore me personall scribed in and wi	ed the foregoing in deed of said firms ssioner of Deeds  L ss:  ly appeared ho executed the f	instrument; and he m.
ACKNO State of On this to me kno and acknowledge  parties; ( is execut By-Laws agent, of	WLEDG  wwn, and owledged  Each exect by approped by age or resolution or resolution.	day of day of to me that he executed bond shown to me to me that he executed bond shown to me	Notary  RINCIPAL, IF All  County of  before the person desixecuted the same.  Notary  Notary  uld be accompanified copy of Power other representativity under which	Public or Commissoribed in and who executed and for the act and Public or Commissoribed in and where the commission of Attorney of ive of Principal Power of Attorney of Attor	ed the foregoing in deed of said firms and deed of said firms assioner of Deeds  L	instrument; and he m.



# **ACKNOWLEDGEMENT OF SURETY**

State of	NEW YORK	)
----------	----------	---

SS

County of SUFFOLK )

On the 3rd day of ADDITION AND SURETY COMPANY OF AMERICA TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA the Corporation described in and which executed the above instrument; that (s)he knows the seal of said Corporation; that one of the seals affixed by order of the Board of Directors of said Corporation; and that (s)he signed his/her name thereto by like order.

JENNIFER SPADARO
Notary Public State of New York
No. 01SP5017514
Qualified in Suffolk County
Commission Expires Sept. 7

**Notary Public** 

Jennifu Spadau

# TRAVELERS

#### **POWER OF ATTORNEY**

BOND NO: 106064304

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company Travelers Casualty and Surety Company Travelers Casualty and Surety Company of America United States Fidelity and Guaranty Company

Attorney-In Fact No.

214197

Certificate No. 005424957

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Robert Mastrantonio, Frank Streich, Glenn Glubiak, and Jennifer Spadaro	
of the City of	l undertakings and
IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this	25th
Farmington Casualty Company Fidelity and Guaranty Insurance Company Fidelity and Guaranty Insurance Underwriters, Inc. St. Paul Fire and Marine Insurance Company St. Paul Guardian Insurance Company St. Paul Guardian Insurance Company	
1982 0 SEALS SEALS SEALS WAS AND SEALS SEALS SEALS	S INCOPPORTED S INCOPPORTED S INCOPPORTED S INCOPPORTED S INCOPPORTED S INCOPPORTE
State of Connecticut City of Hartford ss.  By: Robert L. Raney, Senior Vice President	
On this the 25th day of March , 2013 , before me personally appeared Robert L. Raney, who acknow be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Company, Travelers Casualty and Surety Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executinstrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.	iters, Inc., St. Paul ompany, Travelers

In Witness Whereof, I hereunto set my hand and official seal. My Commission expires the 30th day of June, 2016.



Marie C. Tetreault, Notary Public

#### WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this  $\underline{\mathcal{S}}$ 

\_\_day of March

<sub>20</sub> 14

Kevin E. Hughes, Assistant Secretary



















To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

#### TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

#### HARTFORD, CONNECTICUT 06183

#### FINANCIAL STATEMENT AS OF DECEMBER 31, 2012

#### AS FILED IN THE STATE OF NEW YORK

**CAPITAL STOCK \$ 6,480,000** 

ASSETS		LIABILITIES & SURPLUS	
CASH AND INVESTED CASH BONDS INVESTMENT INCOME DUE AND ACCRUED OTHER INVESTED ASSETS PREMIUM BALANCES NET DEFERRED TAX ASSET REINSURANCE RECOVERABLE SECURITIES LENDING REINVESTED COLLATERAL ASSETS REGEIVABLES FROM PARENT, SUBSIDIARIES AND AFFILIATES UNDISTRIBUTED PAYMENTS OTHER ASSETS	\$ 16,936,791 3,713,171,015 50,798,732 280,730,697 184,942,508 63,274,378 12,410,624 7,769,165 11,080,470 (1,439,685) 884,093	UNEARNED PREMIUMS LOSSES REINSURANCE PAYABLE ON PAID LOSSES & LOSS ADJ. EXPENSES LOSS ADJUSTMENT EXPENSES COMMISSIONS TAXES, LICENSES AND FEES OTHER EXPENSES FUNDS HELD UNDER REINSURANCE TREATIES CURRENT FEDERAL AND FOREIGN INCOME TAXES REMITTANCES AND ITEMS NOT ALLOCATED AMOUNTS WITHHELD / RETAINED BY COMPANY FOR OTHERS RETROACTIVE REINSURANCE RESERVE ASSUMED POLICYHOLDER DIVIDENDS PROVISION FOR REINSURANCE ADVANCE PREMIUM PAYABLE FOR SECURITIES LENDING CEDED REINSURANCE NET PREMIUMS PAYABLE ESCHEAT LIABILITY OTHER ACCRUED EXPENSES AND LIABILITIES TOTAL LIABILITIES	\$ 783,409,692 901,058,710 1,446,021 534,370,680 29,281,779 66,762,894 35,588,967 94,449,544 60,675,573 19,270,931 79,084,808 3,163,164 6,730,121 5,314,325 728,898 7,769,155 {70,803,744} 622,062 \$ 2,559,106,957
		CAPITAL STOCK PAID IN SURPLUS OTHER SURPLUS TOTAL SURPLUS TO POLICYHOLDERS	\$ 6,480,000 433,803,760 1,340,168,061 \$ 1,780,451,821
TOTAL ASSETS	\$ 4,339,558,778	TOTAL LIABILITIES & SURPLUS	\$ 4,339,558,778

STATE OF CONNECTICUT

)

COUNTY OF HARTFORD

) SS.

CITY OF HARTFORD

)

MICHAEL J. DOODY, BEING DULY SWORN, 8AYS THAT HE IS SECOND VICE PRESIDENT, OF TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT STATEMENT OF THE FINANCIAL CONDITION OF SAID COMPANY AS OF THE 31ST DAY OF DECEMBER, 2012.

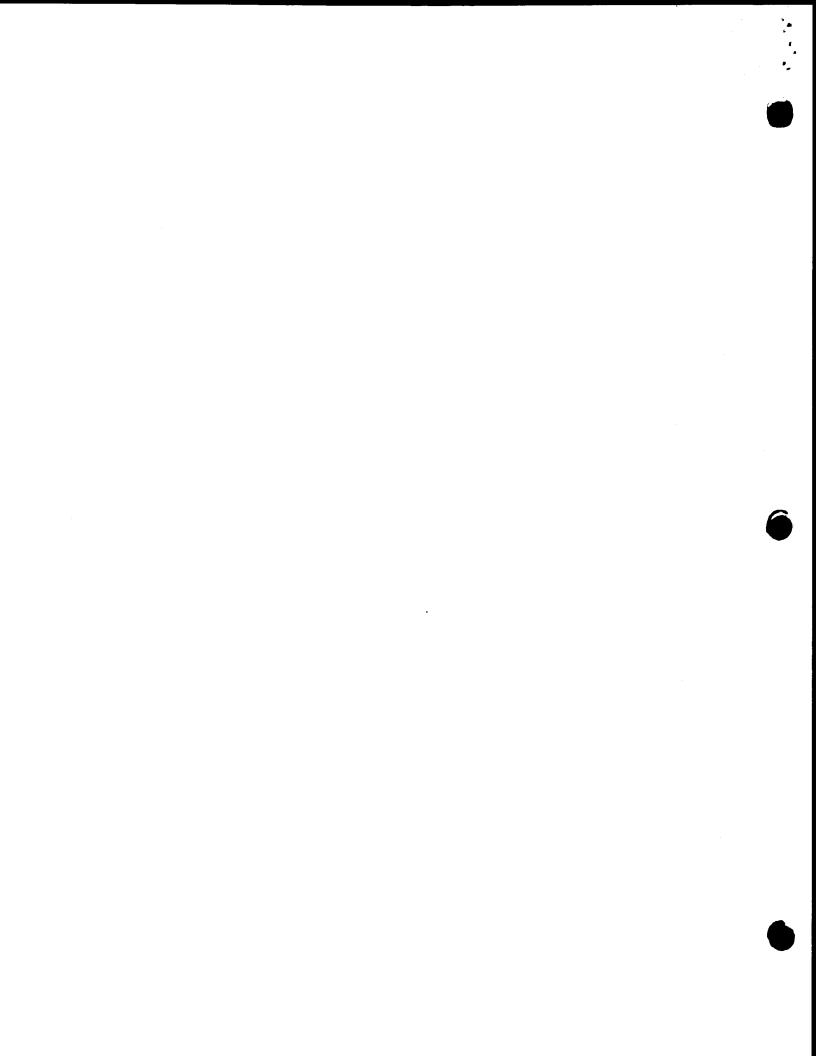
SUBSCRIBED AND SWORN TO BEFORE ME THIS 20TH DAY OF MARCH, 2013

NOTABY DI DITIO

SUSAN M. WEISSLEDER

Notary Public

My Commission Expires November 30, 2017





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 3/3/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER		CONTACT Gina DiPaola	
OMNI RISK MANAGEMENT	INC.	PHONE (A/C, No, Ext): (631) 434-1000 FAX (A/C, No): (631) 4	34-7605
308 West Main St.		E-MAIL ADDRESS: GinaD@omni-risk.com	
Suite 100		INSURER(S) AFFORDING COVERAGE	NAIC#
Smithtown 1	NY 11787	INSURER A: Travelers Indemnity Company	
INSURED		INSURER B : National Union Fire Ins. Co	
DeBoe Construction Co	orp.	INSURERC New York State Insurance Fund	
6 Elks Court		INSURER D :	
		INSURER E :	
Huntington 1	NY 11725	INSURER F:	
COVERAGES	CERTIFICATE NUMBER: 2013 - 20	14 REVISION NUMBER:	

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR			ADDL	SUBR		POLICY EFF (MM/DD/YYYY)	POLICY EXP	LIMITS
	GEN X	NERAL LIABILITY  COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE \$ 2,000,000  DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
A		CLAIMS-MADE X OCCUR	x	x	DTNY CO 1D265147-IND 13	5/13/2013	5/13/2014	MED EXP (Any one person) \$ 5,000
	x	Contractual Liability						PERSONAL & ADV INJURY \$ 2,000,000
			Ì					GENERAL AGGREGATE \$ 4,000,000
	GEN	N'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG \$ 4,000,000
<u></u>		POLICY X PRO- JECT LOC						\$
3	_	OMOBILE LIABILITY						COMBINED SINGLE LIMIT \$ 1,000,000
Α	X	ANY AUTO						BODILY INJURY (Per person) \$
		ALL OWNED SCHEDULED AUTOS			DTNY 810 1D265147-IND 13	5/13/2013	5/13/2014	BODILY INJURY (Per accident) \$
	X	HIRED AUTOS X NON-OWNED AUTOS						PROPERTY DAMAGE \$ (Per accident)
L				<u> </u>				\$
	X	UMBRELLA LIAB X OCCUR						EACH OCCURRENCE \$ 5,000,000
В		EXCESS LIAB CLAIMS-MADE						AGGREGATE \$ 5,000,000
<u></u>		DED X RETENTION \$ 10,000			BE 020463601	5/13/2013	5/13/2014	\$
C	C WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below							X WC STATU- OTH- TORY LIMITS ER
			N/A		z 1287 360-0	1/1/2013	1/1/2014	E.L. EACH ACCIDENT \$ 1,000,000
			"'``		Orderd from NYSIF	1/1/2014	1/1/2015	E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
								E.L. DISEASE - POLICY LIMIT \$ 1,000,000
			1	L				
DES	SCRIPTION OF OPERATIONS (LOCATIONS LYPHICLES LAWARE ACORD 404 Additional Paristers of Colonial Management of the Colonial Managem							

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
RE: FMS ID: HWXP136A E-Pin: 85013B0079001001 DDC PINC: 8502012HW0039C Reconstruction of Grand Concourse
Services Roads including resurfacing of the main roadway and widening of medians from East 166th St to
171 St, Bronx; The following are included as additional insured if required by written contract subject
to the terms and conditions of stated policies: City of New York, including its officials and
employees; New York State, including its officials and employees; FHWA, including its officials and
employees; The new York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operation
Authority (MaBSTOA), Staten Island Rapid Transit Operation Authority (SIRTOA), Metropolitan

CERTIF	ICATE HO	LDER	

CANCELLATION

City of New York
New York City Department of Design & Cons
30-30 Thomson Avenue
4th Floor
Long Island City, NY 11101

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

R Mastrantonio/GINA

Robert Washostown

	COMMENTS/REM	ARKS			
Transportation Authority (MTA) its subsidiaries and affiliated companies; Consolidated Edison; Additional insured status applies to both the GL & Auto;					

COPYRIGHT 2000, AMS SERVICES INC.

OFREMARK

#### CERTIFICATION BY BROKER

The undersigned insurance broker represents to the City of New York that the attached Certificate of Insurance in all material respects; and that the described insurance is effective as of the date of this Certification.

Omni Risk Management, Inc.

308 W. Main St., Ste. 100 Smithtown, NY 11787

Signature of authorized official or broker

Frank Streich, Vice President
Name and title of authorized
official

Sworn to before me this

NOTARYPUBLIC

day of Mould, 20 4

TANYA KORZAN

NOTARY PUBLIC-STATE OF NEW YORK

No. 01KO6240655

Qualified in Suffolk County

My Commission Expires May 02, 20/

### THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

### CONTRACTORS XTEND ENDORSEMENT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**GENERAL DESCRIPTION OF COVERAGE** – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to this Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

- A. Aircraft Chartered With Pilot
- B. Damage To Premises Rented To You
- C. Increased Supplementary Payments
- D. Incidental Medical Malpractice
- E. Who is An Insured Newly Acquired Or Formed Organizations
- F. Who is An Insured Broadened Named Insured Unnamed Subsidiaries
- G. Blanket Additional Insured Owners, Managers Or Lessors Of Premises

#### **PROVISIONS**

#### A. AIRCRAFT CHARTERED WITH PILOT

The following is added to Exclusion g., Aircraft, Auto Or Watercraft, in Paragraph 2. of SECTION I — COVERAGES — COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY:

This exclusion does not apply to an aircraft that is:

- (a) Chartered with a pilot to any insured;
- (b) Not owned by any insured; and
- (c) Not being used to carry any person or property for a charge.

#### B. DAMAGE TO PREMISES RENTED TO YOU

- The first paragraph of the exceptions in Exclusion j., Damage To Property, in Paragraph 2. of SECTION I COVERAGES COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY is deleted.
- The following replaces the last paragraph of Paragraph 2., Exclusions, of SECTION I – COVERAGES – COVERAGE A. BODILY

- H. Blanket Additional Insured Lessors Of Leased Equipment
- Blanket Additional Insured States Or Political Subdivisions – Permits
- J. Knowledge And Notice Of Occurrence Or Offense
- K. Unintentional Omission
- L. Blanket Waiver Of Subrogation
- M. Amended Bodily Injury Definition
- N. Contractual Liability Railroads

#### INJURY AND PROPERTY DAMAGE LI-ABILITY:

Exclusions c. and g. through n. do not apply to "premises damage". Exclusion f.(1)(a) does not apply to "premises damage" caused by:

- a. Fire;
- **b.** Explosion;
- c. Lightning;
- **d.** Smoke resulting from such fire, explosion, or lightning; or
- e. Water;

unless Exclusion f. of Section I – Coverage A – Bodily Injury And Property Damage Liability is replaced by another endorsement to this Coverage Part that has Exclusion – All Pollution Injury Or Damage or Total Pollution Exclusion in its title.

A separate limit of insurance applies to "premises damage" as described in Paragraph 6. of SECTION III - LIMITS OF INSURANCE.

# 3. The following replaces Paragraph 6. of SECTION III - LIMITS OF INSURANCE:

Subject to **5**. above, the Damage To Premises Rented To You Limit is the most we will pay under Coverage **A** for damages because of "premises damage" to any one premises. The Damage To Premises Rented To You Limit will apply to all "property damage" proximately caused by the same "occurrence", whether such damage results from: fire; explosion; lightning; smoke resulting from such fire, explosion, or lightning; or water; or any combination of any of these causes.

The Damage To Premises Rented To You Limit will be:

- a. The amount shown for the Damage To Premises Rented To You Limit on the Declarations of this Coverage Part; or
- b. \$300,000 if no amount is shown for the Damage To Premises Rented To You Limit on the Declarations of this Coverage Part.
- The following replaces Paragraph a. of the definition of "insured contract" in the DEFINI-TIONS Section:
  - a. A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for "premises damage" is not an "insured contract";
- The following is added to the **DEFINITIONS** Section:

"Premises damage" means "property damage" to:

- a. Any premises while rented to you or temporarily occupied by you with permission of the owner; or
- b. The contents of any premises while such premises is rented to you, if you rent such premises for a period of seven or fewer consecutive days.
- The following replaces Paragraph 4.b.(1)(b) of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:
  - (b) That is insurance for "premises damage"; or
- Paragraph 4.b.(1)(c) of SECTION IV COMMERCIAL GENERAL LIABILITY CON-DITIONS is deleted.

#### C. INCREASED SUPPLEMENTARY PAYMENTS

- The following replaces Paragraph 1.b. of SUPPLEMENTARY PAYMENTS – COVER-AGES A AND B of SECTION I – COVER-AGE:
  - b. Up to \$2,500 for the cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which the Bodily Injury Liability Coverage applies. We do not have to furnish these bonds.
- The following replaces Paragraph 1.d. of SUPPLEMENTARY PAYMENTS - COVER-AGES A AND B of SECTION I - COVER-AGES:
  - d. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to \$500 a day because of time off from work.

#### D. INCIDENTAL MEDICAL MALPRACTICE

- The following is added to the definition of "occurrence" in the **DEFINITIONS** Section:
  - "Occurrence" also means an act or omission committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to a person.
- The following is added to Paragraph 2.a.(1) of SECTION II – WHO IS AN INSURED:

Paragraph (1)(d) above does not apply to "bodily injury" arising out of providing or failing to provide:

- (i) "Incidental medical services" by any of your "employees" who is a nurse practitioner, registered nurse, licensed practical nurse, nurse assistant, emergency medical technician or paramedic; or
- (ii) First aid or "Good Samaritan services" by any of your "employees" or "volunteer workers", other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

# 3. The following is added to Paragraph 5. of SECTION III – LIMITS OF INSURANCE:

For the purposes of determining the applicable Each Occurrence Limit, all related acts or omissions committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to any one person will be deemed to be one "occurrence".

4. The following exclusion is added to Paragraph 2., Exclusions, of SECTION I – COVERAGES – COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY:

#### Sale Of Pharmaceuticals

"Bodily injury" or "property damage" arising out of the willful violation of a penal statute or ordinance relating to the sale of pharmaceuticals committed by, or with the knowledge or consent of, the insured.

5. The following is added to the **DEFINITIONS**Section:

"Incidental medical services" means:

- Medical, surgical, dental, laboratory, x-ray or nursing service or treatment, advice or instruction, or the related furnishing of food or beverages; or
- The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances.

"Good Samaritan services" means any emergency medical services for which no compensation is demanded or received.

The following is added to Paragraph 4.b., Excess Insurance, of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

The insurance is excess over any valid and collectible other insurance available to the insured, whether primary, excess, contingent or on any other basis, that is available to any of your "employees" or "volunteer workers" for "bodily injury" that arises out of providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to any person to the extent not subject to Paragraph 2.a.(1) of Section II – Who Is An Insured.

# E. WHO IS AN INSURED - NEWLY ACQUIRED OR FORMED ORGANIZATIONS

The following replaces Paragraph 4. of SECTION II – WHO IS AN INSURED:

- 4. Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, of which you are the sole owner or in which you maintain the majority ownership interest, will qualify as a Named Insured if there is no other insurance which provides similar coverage to that organization. However:
- a. Coverage under this provision is afforded only:
  - (1) Until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier, if you do not report such organization in writing to us within 180 days after you acquire or form it; or
  - (2) Until the end of the policy period, when that date is later than 180 days after you acquire or form such organization, if you report such organization in writing to us within 180 days after you acquire or form it, and we agree in writing that it will continue to be a Named Insured until the end of the policy period;
- b. Coverage A does not apply to "bodily injury" or "property damage" that occurred before you acquired or formed the organization; and
- c. Coverage B does not apply to "personal injury" or "advertising injury" arising out of an offense committed before you acquired or formed the organization.

# F. WHO IS AN INSURED – BROADENED NAMED INSURED – UNNAMED SUBSIDIARIES

The following is added to **SECTION II - WHO IS AN INSURED**:

Any of your subsidiaries, other than a partnership, joint venture or limited liability company, that is not shown as a Named Insured in the Declarations is a Named Insured if you maintain an ownership interest of more than 50% in such subsidiary on the first day of the policy period.

No such subsidiary is an insured for "bodily injury" or "property damage" that occurred, or "personal injury" or "advertising injury" caused by an offense committed after the date, if any, during the policy period, that you no longer maintain an ownership interest of more than 50% in such subsidiary.

# G. BLANKET ADDITIONAL INSURED - OWNERS, MANAGERS OR LESSORS OF PREMISES

The following is added to **SECTION II – WHO IS AN INSURED**:

Any person or organization that is a premises owner, manager or lessor and that you have agreed in a written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage", "personal injury" or "advertising injury" that:

- a. Is "bodily injury" or "property damage" that occurs, or is "personal injury" or "advertising injury" caused by an offense that is committed, subsequent to the execution of that contract or agreement; and
- Arises out of the ownership, maintenance or use of that part of any premises leased to you.

The insurance provided to such premises owner, manager or lessor is subject to the following provisions:

- a. The limits of insurance provided to such premises owner, manager or lessor will be the minimum limits which you agreed to provide in the written contract or agreement, or the limits shown on the Declarations, whichever are less.
- b. The insurance provided to such premises owner, manager or lessor does not apply to:
  - (1) Any "bodily injury" or "property damage" that occurs, or "personal injury" or "advertising injury" caused by an offense that is committed, after you cease to be a tenant in that premises; or
  - (2) Structural alterations, new construction or demolition operations performed by or on behalf of such premises owner, lessor or manager.
- c. The insurance provided to such premises owner, manager or lessor is excess over any valid and collectible other insurance available to such premises owner, manager or lessor, whether primary, excess, contingent or on any other basis, unless you have agreed in the written contract or agreement that this insurance must be primary to, or non-contributory with, such other insurance, in which case this insurance will be primary to, and non-contributory with, such other insurance.

# H. BLANKET ADDITIONAL INSURED – LESSORS OF LEASED EQUIPMENT

The following is added to **SECTION II – WHO IS AN INSURED**:

Any person or organization that is an equipment lessor and that you have agreed in a written contract or agreement to include as an insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage", "personal injury" or "advertising injury" that:

- a. Is "bodily injury" or "property damage" that occurs, or is "personal injury" or "advertising injury" caused by an offense that is committed, subsequent to the execution of that contract or agreement; and
- b. Is caused, in whole or in part, by your acts or omissions in the maintenance, operation or use of equipment leased to you by such equipment lessor.

The insurance provided to such equipment lessor is subject to the following provisions:

- a. The limits of insurance provided to such equipment lessor will be the minimum limits which you agreed to provide in the written contract or agreement, or the limits shown on the Declarations, whichever are less.
- b. The insurance provided to such equipment lessor does not apply to any "bodily injury" or "property damage" that occurs, or "personal injury" or "advertising injury" caused by an offense that is committed, after the equipment lease expires.
- c. The insurance provided to such equipment lessor is excess over any valid and collectible other insurance available to such equipment lessor, whether primary, excess, contingent or on any other basis, unless you have agreed in the written contract or agreement that this insurance must be primary to, or non-contributory with, such other insurance, in which case this insurance will be primary to, and non-contributory with, such other insurance.

# I. BLANKET ADDITIONAL INSURED - STATES OR POLITICAL SUBDIVISIONS - PERMITS

The following is added to **SECTION II – WHO IS AN INSURED**:

Any state or political subdivision that has issued a permit in connection with operations performed by you or on your behalf and that you are required

#### COMMERCIAL GENERAL LIABILITY

by any ordinance, law or building code to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage", "personal injury" or "advertising injury" arising out of such operations.

The insurance provided to such state or political subdivision does not apply to:

- a. Any "bodily injury," "property damage," "personal injury" or "advertising injury" arising out of operations performed for that state or political subdivision; or
- Any "bodily injury" or "property damage" included in the "products-completed operations hazard".

#### J. KNOWLEDGE AND NOTICE OF OCCUR-RENCE OR OFFENSE

The following is added to Paragraph 2., Duties In The Event of Occurrence, Offense, Claim or Suit, of SECTION IV — COMMERCIAL GENERAL LIABILITY CONDITIONS:

- e. The following provisions apply to Paragraph a. above, but only for the purposes of the insurance provided under this Coverage Part to you or any insured listed in Paragraph 1. or 2. of Section II – Who Is An Insured:
  - (1) Notice to us of such "occurrence" or offense must be given as soon as practicable only after the "occurrence" or offense is known by you (if you are an individual), any of your partners or members who is an individual (if you are a partnership or joint venture), any of your managers who is an individual (if you are a limited liability company), any of your "executive officers" or directors (if you are an organization other than a partnership, joint venture or limited liability company) or any "employee" authorized by you to give notice of an "occurrence" or offense.
  - (2) If you are a partnership, joint venture or limited liability company, and none of your partners, joint venture members or managers are individuals, notice to us of such "occurrence" or offense must be given as soon as practicable only after the "occurrence" or offense is known by:
    - (a) Any individual who is:
      - (i) A partner or member of any partnership or joint venture;

- (ii) A manager of any limited liability company; or
- (iii) An executive officer or director of any other organization;
- that is your partner, joint venture member or manager; or
- (b) Any "employee" authorized by such partnership, joint venture, limited liability company or other organization to give notice of an "occurrence" or offense.
- (3) Notice to us of such "occurrence" or of an offense will be deemed to be given as soon as practicable if it is given in good faith as soon as practicable to your workers' compensation insurer. This applies only if you subsequently give notice to us of the "occurrence" or offense as soon as practicable after any of the persons described in Paragraphs e. (1) or (2) above discovers that the "occurrence" or offense may result in sums to which the insurance provided under this Coverage Part may apply.

However, if this Coverage Part includes an endorsement that provides limited coverage for "bodily injury" or "property damage" or pollution costs arising out of a discharge, release or escape of "pollutants" which contains a requirement that the discharge, release or escape of "pollutants" must be reported to us within a specific number of days after its abrupt commencement, this Paragraph e. does not affect that requirement.

#### K. UNINTENTIONAL OMISSION

The following is added to Paragraph 6., Representations, of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy will not prejudice your rights under this insurance. However, this provision does not affect our right to collect additional premium or to exercise our rights of cancellation or nonrenewal in accordance with applicable insurance laws or regulations.

#### L. BLANKET WAIVER OF SUBROGATION

The following is added to Paragraph 8., Transfer Of Rights Of Recovery Against Others To Us, of SECTION IV — COMMERCIAL GENERAL LIABILITY CONDITIONS:

### COMMERCIAL GENERAL LIABILITY

If the insured has agreed in a contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against such person or organization, but only for payments we make because of:

- a. "Bodily injury" or "property damage" that occurs; or
- b. "Personal injury" or "advertising injury" caused by an offense that is committed;

subsequent to the execution of that contract or agreement.

### M. AMENDED BODILY INJURY DEFINITION

The following replaces the definition of "bodily injury" in the **DEFINITIONS** Section:

 "Bodily injury" means bodily injury, mental anguish, mental injury, shock, fright, disability, humiliation, sickness or disease sustained by a person, including death resulting from any of these at any time.

#### N. CONTRACTUAL LIABILITY - RAILROADS

- The following replaces Paragraph c. of the definition of "insured contract" in the DEFINI-TIONS Section:
  - c. Any easement or license agreement;
- Paragraph f.(1) of the definition of "insured contract" in the **DEFINITIONS** Section is deleted.

#### SCHEDULE OF WORKMEN, MECHANICS AND LABORERS

The following is a list of classifications for workmen, mechanics and laborers which are anticipated to be employed in the performance of work under this contract, followed by a schedule of the prevailing wage rates and supplemental benefits for all classifications as established by the Comptroller of the City of New York.

Request for interpretation or correction under Subsection A of Section No. 3 in the Information for Bidders includes all requests for clarification of the classification of trades to be employed in the performance of the work under this contract.

In the event that a trade not listed in the classification of trades required to be used at the time of the award of the contract is in fact employed during the performance of this contract, the Contractor shall be required to obtain from the agency the prevailing wage rates and supplementary benefits for the trades used and to complete the performance of this contract at the price at which the contract was awarded.

COD	E	CLASSIFICATION
15 15	42 001 42 002	Rigger Sign Erector
16 16 16	11 001 11 002 11 003	Gardener Tree Pruner Tree Remover
16 16 16 16 16 16	11 011 11 012 11 013 11 014 11 015 11 016 11 017	Asphalt Raker (Highway & Paving) Tamper (Highway & Paving) Curbsetter (Highway & Paving) Formsetter (Highway & Paving) Rammerman (Highway & Paving) Laborer (Highway & Paving) ALL OTHER TITLES (Highway & Paving)
16 16 16 16 16 16	23 001 23 002 23 003 23 004 23 005 23 006 23 007	Laborer Operating Engineer (Heavy Construction-Maintenance) Junior Operating Engineer Junior Operating Engineer Junior Operating Engineer Fireman (Heavy Construction) Oiler (Heavy Construction)
16 16 16 16 16	23 051 23 052 23 053 23 057 23 058 23 059	Surveyor-Heavy Construction Surveyor-Heavy Construction-Instrument Man Surveyor-Heavy Construction-Rodman Surveyor-Land Surveying-Party Chief Surveyor-Land Surveying-Instrument Man Surveyor-Land Surveying-Rodman

CODE		E	CLASSIFICATION
	16 16 16	23 061 23 062 23 063	Operating Engineer-Road & Heavy Construction Operating Engineer-Paving Operating Engineer-Concrete
	16 16 16 16	23 071 23 072 23 073 23 074	Teamster-Heavy Equipment Trailer Driver Teamster-Dump Truck Driver Teamster-Flat Bed Trailer Driver (3-Axle) Teamster-Redi-Mix (Sand and Gravel)
	16	29 011	Drill Runners
	17	11 001	Plumbers
	17	21 001	Painter (Brush & Roller)
	17	31 001	Electrician
	17 17 17	41 001 41 002 41 004	Bricklayer Mason Tender Cement Mason
	17	42 002	Metallic Lather
	17 17	51 001 51 002	Carpenter Dock Builder
	17	71 001	Cement & Concrete Worker
	17	91 001	Structural Iron Worker
	17	95 001	Barman
	17	96 021	Derrickmen & Riggers
	17 17 17	99 001 99 002 99 005	Ornamental Iron Worker Sandblaster Pointers (Waterproofer)
	17	99 011	Welders

Each classification may include trainees depending upon project staffing schedules and as required by the terms of this contract.

#### LABOR LAW §220 PREVAILING WAGE SCHEDULE

Workers, Laborers and Mechanics employed on a public work project must receive not less than the prevailing rate of wage and benefits for the classification of work performed by each upon such public work. Pursuant to Labor Law §220 the Comptroller of the City of New York has promulgated this schedule solely for Workers, Laborers and Mechanics engaged by private contractors on New York City public work contracts.

Contracting agencies anticipating doing work which requires the employment of a trade or classification not included in this schedule must request the Comptroller to establish a proper classification for the work pursuant to Labor Law §220 (3-a) (a). The prevailing rate schedule as promulgated by the Comptroller, must, in compliance with law, be annexed to and form part of the contract.

Contractors are solely responsible for maintaining original payroll records which delineate, among other things, the hours each employee worked within a given classification. Contractors using rates and/or classifications not promulgated by the Comptroller do so at their own risk. Additionally, prior to bid, Agency Chief Contracting Officers must contact the Bureau of Labor Law when the need arises for a work classification not published in this schedule.

The appropriate schedule of prevailing wages and benefits must be posted at all public work sites pursuant to Labor Law §220 (3-a) (a).

This schedule is applicable for work performed during the effective period, unless otherwise noted. You will be notified of any changes to this schedule by addenda published on our web site at www.comptroller.nyc.gov. The rate of wages and supplemental benefits to be paid or provided are those that prevail at the time the work is being performed. Preliminary schedules for future one-year periods are published annually in the City Record on or about June 1<sup>st</sup> of each succeeding year. Final schedules are published on or about July 1<sup>st</sup> in the City Record and on our web site at www.comptroller.nyc.gov.

The Comptroller's Office has attempted to include all overtime, shift and night differential, Holiday, Saturday, Sunday or other premium time work. However, this schedule does not set forth every prevailing practice with respect to such rates with which employers must comply. All such practices are nevertheless part of the employer's prevailing wage obligation and contained in the collective bargaining agreements of the prevailing wage unions. These collective bargaining agreements are available for inspection by appointment. Requests for appointments may be made by calling (212) 669-4443, Monday through Friday between the hours of 9 a.m. and 5 p.m.

Answers to questions concerning prevailing trade practices may be obtained from the Classification Unit by calling (212) 669-7974. Please direct all other compliance issues to: Bureau of Labor Law, Attn: Wasyl Kinach, P.E., Office of the Comptroller, 1 Centre Street, Room 1122, New York, N.Y. 10007; Fax (212) 669-4002.

Prevailing rates and ratios for apprentices are attached to this schedule in the Appendix. Pursuant to Labor Law §220 (3-e), only apprentices who are individually registered in a bona fide program to which the employer contractor is a participant, registered with the New York State Department of Labor, may be employed on a public work project. Workers who are not journey persons or not registered apprentices pursuant to Labor Law §220 (3-e) may not be substituted for apprentices and must be paid as journey persons.

Contractors are advised to review the applicable Collective Bargaining Agreements and the Comptroller's Prevailing Wage Schedule before bidding on Public Work. If there are any questions concerning prevailing wages, benefits, overtime, Holiday pay, shift differentials or any prevailing practice, please contact this office.

Public Work construction, reconstruction, demolition, excavation, rehabilitation, repair, renovation, alteration, or improvement contracts awarded pursuant to a Project Labor Agreement ("PLA") in accordance with Labor Law section 222 may have different labor standards for shift, premium and overtime work. Please refer to the PLA's pre-negotiated labor agreements for wage and benefit rates applicable to work performed outside of the regular workday. More information is available at the Mayor's Office of Contract Services (MOCS) web page at http://www.nyc.gov/html/mocs/html/vendors/pla.shtml.

All the provisions of Labor Law section 220 remain applicable to PLA work including, but not limited to, the enforcement of prevailing wage requirements by the Comptroller; however, we will enforce shift, premium, overtime and other non-standard rates as they appear in a project's prenegotiated labor agreement.

Any error as to compensation under the prevailing wage law or other information as to trade classification, made by the contracting agency in the contract documents or in any other communication, will <u>not</u> preclude a finding against the contractor of prevailing wage violation.

In order to meet their obligation to provide prevailing supplemental benefits to each covered employee, employers must either:

- 1) Provide bona-fide benefits which cost the employer no less than the prevailing supplemental benefits rate; or
- 2) Supplement the employee's hourly wage by an amount no less than the prevailing supplemental benefits rate; or
- 3) Provide a combination of bona-fide benefits and wage supplements which cost the employer no less than the prevailing supplemental benefits rate in total.

Particular attention should be given to the supplemental benefits requirement. Although in most instances the payment or provision for supplemental benefits is for each hour worked, some classifications require the payment or provision of supplemental benefits for each hour paid. Consequently, some prevailing practices require benefits to be purchased at the overtime, shift differential, Holiday, Saturday, Sunday or other premium time rate.

# Benefits are paid for *EACH HOUR WORKED* unless otherwise noted.

Wasyl Kinach, P.E.
Director of Classifications
Bureau of Labor Law

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### **ASBESTOS HANDLER**

(Hazardous Material; Disturbs, removes, encapsulates, repairs, or encloses friable asbestos material)

## **Asbestos Handler**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$35.90

Supplemental Benefit Rate per Hour: \$15.05

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Sunday.

Time and one half the regular hourly rate after 40 hours in any work week.

### **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

Good Friday

**Memorial Day** 

**Independence Day** 

**Labor Day** 

Thanksgiving Day

**Christmas Day** 

Easter

# **Paid Holidays**

None

(Local #78 and Local #12A)

#### **BLASTER**

#### **Blaster**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$44.40

Supplemental Benefit Rate per Hour: \$38,44

# Blaster (Hydraulic)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.17

Supplemental Benefit Rate per Hour: \$38,44

# Blaster - Trac Drill Hydraulic

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$40.04

Supplemental Benefit Rate per Hour: \$38.44

Blaster - Wagon: Air Trac: Quarry Bar: Drillrunners

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.30

Supplemental Benefit Rate per Hour: \$38.44

## Blaster - Operators of Jack Hammers

Chippers: Spaders: Concrete Breakers: and all other pneumatic tools of like usage: Walk Behind Self Propelled

Hydraulic Asphalt and Concrete Breakers: Hydro (Water) Demolition

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$38.32

Supplemental Benefit Rate per Hour: \$38.44

### **Blaster - Powder Carriers**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$34.66

Supplemental Benefit Rate per Hour: \$38.44

# Blaster - Hydraulic Trac Drill Chuck Tender

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$33.46

Supplemental Benefit Rate per Hour: \$38.44

# Blaster - Chuck Tender & Nipper

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$32.75

Supplemental Benefit Rate per Hour: \$38.44

# <u> Blaster - Magazine Keepers: (Watch Person)</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$19.76

Supplemental Benefit Rate per Hour: \$38.44

# Overtime Description

Magazine Keepers:

Time and one half for work performed in excess of forty (40) hours per week and for work performed on Saturdays, Sundays and Holidays.

All Other Employees:

Time and one-half for the first eight hours of work on Saturday and for Make-up Time. Double time for all hours over eight Monday through Friday (except make-up hours) and for all hours worked on Sunday and Holidays.

#### **Overtime**

Double time the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

Memorial Day
Independence Day
Labor Day
Columbus Day
Presidential Election Day

Thanksgiving Day
Christmas Day

#### **Paid Holidays**

None

#### **Shift Rates**

A single shift shall be 8 hours plus an unpaid lunch, starting at 8:00 A.M (or between 6:00 A.M. and 10:00 A.M. on weekdays). When two (2) shifts are employed, each shift shall be 8 hours plus  $\frac{1}{2}$  hour unpaid lunch. When three (3) shifts are employed, each shift will work seven and one-half (7  $\frac{1}{2}$ ) hours, but will be paid for eight (8) hours, since only one-half ( $\frac{1}{2}$ ) hour is allowed for mealtime. When two (2) or more shifts are employed, single time will be paid for each shift. The first 8 hours of any and all work performed Monday through Friday inclusive of any off-shift shall be at the single time rate.

(Local #29)

#### BOILERMAKER

### **Boilermaker**

Effective Period: 7/1/2013 - 12/31/2013

Wage Rate per Hour: \$49.47

Supplemental Benefit Rate per Hour: \$39.78

Supplemental Note: The above rate applies to repair or maintenance and new construction; For time and one half

overtime - \$59.08; For double overtime - \$78.37.

Effective Period: 1/1/2014 - 6/30/2014

Wage Rate per Hour: \$50.45

Supplemental Benefit Rate per Hour: \$41.31

Supplemental Note: The above rate applies to repair or maintenance and new construction; For time and one half

overtime - \$61.37; For double overtime - \$81.43.

## **Overtime Description**

For Repair and Maintenance work:

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

For New Construction work:

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

**President's Day** 

**Memorial Day** 

**Independence Day** 

**Columbus Day** 

**Election Day** 

Veteran's Day

Thanksgiving Day

**Christmas Day** 

Quadruple time the regular rate for work on the following holiday(s). Labor Day

### **Paid Holidays**

Good Friday
Day after Thanksgiving
Day before Christmas
Day before New Year's Day

#### **Shift Rates**

When shifts are required, the first shift shall work eight (8) hours at the regular straight-time hourly rate. The second shift shall work seven and one-half (7  $\frac{1}{2}$ ) hours and receive eight hours at the regular straight time hourly rate plus twenty-five cents (\$0.25) per hour. The third shift shall work seven (7) hours and receive eight hours at the regular straight time hourly rate plus fifty cents (\$0.50) per hour. A thirty (30) minute lunch period shall not be considered as time worked. Work in excess of the above shall be paid overtime at the appropriate new construction work or repair work overtime wage and supplemental benefit hourly rate.

(Local #5)

#### **BRICKLAYER**

# <u>Bricklayer</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$46.44

Supplemental Benefit Rate per Hour: \$27.53

#### **Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). New Year's Day Memorial Day

Independence Day

Labor Day

Laboi Day

**Thanksgiving Day** 

**Christmas Day** 

### Paid Holidays

None

#### **Shift Rates**

Overtime rates to be paid outside the regular scheduled work day.

(Bricklayer District Council)

### **CARPENTER - BUILDING COMMERCIAL**

# **Building Commercial**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$48.08

Supplemental Benefit Rate per Hour: \$41.10

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

### Overtime Holidays

Double time the regular rate for work on the following holiday(s).

**New Year's Day** 

Washington's Birthday

Memorial Day

**Independence Day** 

**Labor Day** 

**Columbus Day** 

**Presidential Election Day** 

Thanksgiving Day

Day after Thanksgiving

**Christmas Day** 

## Paid Holidays

None

#### **Shift Rates**

The second shift will receive one hour at the double time rate of pay for the last hour of the shift; eight hours pay for seven hours of work, nine hours pay for eight hours of work. There must be a first shift in order to work a second shift.

(Carpenters District Council)

# CARPENTER - HEAVY CONSTRUCTION WORK (Construction of Engineering Structures and Building Foundations)

### **Heavy Construction Work**

Effective Period: 7/1/2013 - 7/17/2013

Wage Rate per Hour: \$46.74

Supplemental Benefit Rate per Hour: \$42.37

Effective Period: 7/18/2013 - 6/30/2014

Wage Rate per Hour: \$46.82

Supplemental Benefit Rate per Hour: \$44.97

#### Overtime

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). New Year's Day President's Day Memorial Day Independence Day

Labor Day Columbus Day

**Presidential Election Day** 

Thanksgiving Day Christmas Day

Daid Halldan

# Paid Holidays

None

#### Shift Rates

PUBLISH DATE: 7/1/2013 EFFECTIVE PERIOD: JULY 1, 2013 THROUGH JUNE 30, 2014 Page 10 of 81

Off shift work, commencing between 5:00 P.M. and 10:00 P.M. shall work eight and one half hours allowing for one half hour for lunch, but will be paid for 9 hours including benefits at the straight time rate for 8 hours.

(Carpenters District Council)

#### **CEMENT & CONCRETE WORKER**

### **Cement & Concrete Worker**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.33

Supplemental Benefit Rate per Hour: \$26.17

Supplemental Note: \$28.92 on Saturdays; \$31.67 on Sundays & Holidays

### **Overtime Description**

Time and one half the regular rate after 7 hour day (time and one half the regular rate after an 8 hour day when working with Dockbuilders on pile cap forms and for work below street level to the top of the foundation wall, not to exceed 2 feet or 3 feet above the sidewalk-brick shelf, when working on the foundation and structure.)

#### Overtime

Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

## **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Christmas Day

## Paid Holidays

1/2 day before Christmas Day 1/2 day before New Year's Day

#### **Shift Rates**

On shift work extending over a twenty-four hour period, all shifts are paid at straight time.

(Cement Concrete Workers District Council)

#### **CEMENT MASON**

### **Cement Mason**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$38.63

Supplemental Benefit Rate per Hour: \$39.05

Supplemental Note: Overtime supplemental benefit rate per hour: \$57.55

### **Overtime Description**

Time and one-half the regular rate after an 8 hour day, double time the regular rate after 10 hours. Time and one-half the regular rate on Saturday, double time the regular rate after 10 hours. Double time the regular rate on Sunday.

## **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). New Year's Day President's Day Good Friday

Memorial Day Independence Day Labor Day

Columbus Day Presidential Election Day Thanksgiving Day Christmas Day

# Paid Holidays

Any worker who reports to work on Christmas Eve or New Year's Eve pursuant to his employer's instruction shall be entitled to three (3) hours afternoon pay without working.

#### Shift Rates

For an off shift day, (work at times other than the regular 7:00 A.M. to 3:30 P.M. work day) a cement mason shall be paid at the regular hourly rate plus a 25% per hour differential. Four Days a week at Ten (10)hour day.

(Local #780)

#### **CORE DRILLER**

# **Core Driller**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$35.44

Supplemental Benefit Rate per Hour: \$19.75

# **Core Driller Helper**

Effective Period: 7/1/2013 - 6/30/2014

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Wage Rate per Hour: \$28.60

Supplemental Benefit Rate per Hour: \$19.75

# Core Driller Helper(Third year in the industry)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$25.74

Supplemental Benefit Rate per Hour: \$19.75

# Core Driller Helper (Second year in the industry)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$22.88

Supplemental Benefit Rate per Hour: \$19.75

# Core Driller Helper (First year in the industry)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$20.02

Supplemental Benefit Rate per Hour: \$19.75

### **Overtime Description**

Time and one half the regular rate for work on a holiday plus Holiday pay when worked.

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Time and one half the regular rate for work on the following holiday(s).

### Paid Holidays

New Year's Day Memorial Day Independence Day Labor Day Thanksgiving Day Christmas Day

#### Shift Rates

The shift day shall be the continuous eight and one-half (8½) hours from 6:00 A.M. to 2:30 P.M. and from 2:30 P.M. to 11:00 P.M., including one-half (½) hour of employees regular rate of pay for lunch. When two (2) or more shifts are employed, single time shall be paid for each shift, but those employees employed on a shift other than from 8:00 A.M. to 5:00 P.M. shall, in addition, receive seventy-five cents (\$0.75) per hour differential for each hour worked. When three (3) shifts are needed, each shift shall work seven and one-half (7 %) hours paid for eight (8) hours of labor and be permitted one-half (%) hour for mealtime.

(Carpenters District Council)

#### **DERRICKPERSON AND RIGGER**

## **Derrick Person & Rigger**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$40.50

Supplemental Benefit Rate per Hour: \$42.07

Supplemental Note: The above supplemental rate applies for work performed in Manhattan, Bronx, Brooklyn and

Queens. \$43.49 - For work performed in Staten Island.

### **Derrick Person & Rigger - Site Work**

For site work where no rigging is involved.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$30.00

Supplemental Benefit Rate per Hour: \$31.32

### **Overtime Description**

The first two hours of overtime on weekdays and the first seven hours of work on Saturdays are paid at time and one half for wages and supplemental benefits. All additional overtimes is paid at double time for wages and supplemental benefits. Deduct \$1.42 from the Staten Island hourly benefits rate before computing overtime.

#### **Overtime**

Double time the regular rate for Sunday.

### Overtime Holidays

Double time the regular rate for work on the following holiday(s). New Year's Day
Washington's Birthday
Good Friday
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

# Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M.

(Local #197)

#### **DIVER**

# **Diver (Marine)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$59.40

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Supplemental Benefit Rate per Hour: \$44.97

## **Diver Tender (Marine)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.05

Supplemental Benefit Rate per Hour: \$44.97

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement

weather.

### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

**New Year's Day** 

President's Day

**Memorial Day** 

Independence Day

**Labor Day** 

**Columbus Day** 

**Presidential Election Day** 

Thanksgiving Day

**Christmas Day** 

## **Paid Holidays**

None

#### **Shift Rates**

When three shifts are utilized each shift shall work seven and one half-hours (7 1/2 hours) and paid for 8 hours, allowing for one half hour for lunch.

(Carpenters District Council)

#### **DOCKBUILDER - PILE DRIVER**

# <u>Dockbuilder - Pile Driver</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$46.82

Supplemental Benefit Rate per Hour: \$44.97

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

### Overtime Holidays

Double time the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Christmas Day

### Paid Holidays

None

### **Shift Rates**

Off shift work, commencing between 5:00 P.M. and 11:00 P.M., shall work eight and one half hours allowing for one half hour for lunch but will be paid 113% of the straight time hourly wage and the straight time supplemental benefits.

(Carpenters District Council)

# **DRIVER: TRUCK (TEAMSTER)**

# <u> Driver - Automobile Chauffeur (Dump Truck)</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$38.11

Supplemental Benefit Rate per Hour: \$40.20

# **Driver - Heavy Equipment Trailer Driver**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39,61

Supplemental Benefit Rate per Hour: \$40.20

Note: For time and one half overtime Wage Rate - \$57.16; for double time overtime Wage Rate - \$76.21

# **Driver - Euclid & Turnapull Operator**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$38.67

Supplemental Benefit Rate per Hour: \$40.20

# **Driver - Six Wheeler(3 Axle) Tractors & Trailers**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.11

Supplemental Benefit Rate per Hour: \$40.20

Note: For time and one half overtime Wage Rate - \$58.01; for double time overtime Wage Rate - \$77.34

### **Driver - Boom Truck**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.36

Supplemental Benefit Rate per Hour: \$40.20

Note: For time and one half overtime Wage Rate - \$58.01; for double time overtime Wage Rate - \$77.34

### **Overtime Description**

For Paid Holidays: Holiday pay for all holidays shall be prorated based two hours per day for each day worked in the holiday week, not to exceed 8 hours of holiday pay. For Thanksgiving week, the prorated share shall be 5 1/3 hours of holiday pay for each day worked in Thanksgiving week.

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). New Year's Day

New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

### **Paid Holidays**

New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

# **Driver - Redi-Mix Driver (Sand & Gravel)**

Effective Period: 7/1/2013 - 6/30/2014

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Wage Rate per Hour: \$35.71

Supplemental Benefit Rate per Hour: \$37.27

### **Overtime Description**

For Paid Holidays: Employees working two (2) days in the calendar week in which the holiday falls are to paid for these holidays, provided they shape each remaining workday during that calendar week.

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). President's Day
Columbus Day
Veteran's Day

Triple time the regular rate for work on the following holiday(s).
New Year's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

### **Paid Holidays**

New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Election Day
Thanksgiving Day
Christmas Day

(Local #282)

#### ELECTRICIAN

(Including all low voltage cabling carrying data; video; and voice in combination with data and or video.)

# Electrician "A" (Regular Day)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$52.00

Supplemental Benefit Rate per Hour: \$46.13

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Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$47.54

# Electrician "A" (Regular Day Overtime)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$78.00

Supplemental Benefit Rate per Hour: \$49.39

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$79.50

Supplemental Benefit Rate per Hour: \$50.86

## Electrician "A" (Day Shift)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$52.00

Supplemental Benefit Rate per Hour: \$46.13

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$47.54

# **Electrician "A" (Day Shift Overtime After 8 hours)**

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$78.00

Supplemental Benefit Rate per Hour: \$49.39

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$79.50

Supplemental Benefit Rate per Hour: \$50.86

# **Electrician "A" (Swing Shift)**

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$61.01

Supplemental Benefit Rate per Hour: \$52.47

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$62.19

Supplemental Benefit Rate per Hour: \$54.07

# **Electrician "A" (Swing Shift Overtime After 7.5 hours)**

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$91.52

Supplemental Benefit Rate per Hour: \$56.30

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Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$93.29

Supplemental Benefit Rate per Hour: \$57.97

## **Electrician "A" (Graveyard Shift)**

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$68.34

Supplemental Benefit Rate per Hour: \$57.83

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$69.66

Supplemental Benefit Rate per Hour: \$59.59

# Electrician "A" (Graveyard Shift Overtime After 7 hours)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$102.51

Supplemental Benefit Rate per Hour: \$62.11

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$104,49

Supplemental Benefit Rate per Hour: \$63.96

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

#### Overtime Holidays

Time and one half the regular rate for work on a holiday.
New Year's Day
Martin Luther King Jr. Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

# **Paid Holidays**

None

#### **Shift Rates**

When so elected by the Employer, one or more shifts of at least five days duration may be scheduled as follows: Day Shift: 8:00 am to 4:30 pm, Swing Shift 4:30 pm to 12:30 am, Graveyard Shift: 12:30 am to 8:00 am.

For multiple shifts of temporary light and/or power, the temporary light and/or power employee shall be paid for 8 hours at the straight time rate.

## Electrician "M" (First 8 hours)

"M" rated work shall be defined as jobbing: electrical work of limited duration and scope, also consisting of repairs and/or replacement of electrical and tele-data equipment. Includes all work necessary to retrofit, service, maintain and repair all kinds of lighting fixtures and local lighting controls and washing and cleaning of foregoing fixtures.

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$26.50

Supplemental Benefit Rate per Hour: \$19.56

First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$25.80 First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$19.21 First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$22.00 First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$17.30

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$27.00

Supplemental Benefit Rate per Hour: \$20.32

First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$26.30 First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$19.96 First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$22.50 First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$18.06

# Electrician "M" (Overtime After First 8 hours)

"M" rated work shall be defined as jobbing: electrical work of limited duration and scope, also consisting of repairs and/or replacement of electrical and tele-data equipment. Includes all work necessary to retrofit, service, maintain and repair all kinds of lighting fixtures and local lighting controls and washing and cleaning of foregoing fixtures.

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$39.75

Supplemental Benefit Rate per Hour: \$21.23

First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$38.70 First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$20.83 First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$33.00 First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$18.68

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$40.50

Supplemental Benefit Rate per Hour: \$21.01

First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$39.45 First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$21.61 First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$33.75 First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$19.47

#### Overtime

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Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

### **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

### **Paid Holidays**

None

(Local #3)

## **ELECTRICIAN - ALARM TECHNICIAN**

(Scope of Work - Inspect, test, repair, and replace defective, malfunctioning, or broken devices, components and controls of Fire, Burglar and Security Systems)

# **Alarm Technician**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$30.40

Supplemental Benefit Rate per Hour: \$13.90

Supplemental Note: \$12.40 only after 8 hours worked in a day

### **Overtime Description**

Time and one half the regular rate for work on the following holidays: Columbus Day, Veterans Day, Day after

Thanksgiving.

Double time the regular rate for work on the following holidays: New Year's day, Martin Luther King Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day.

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

# **Paid Holidays**

New Year's Day
Martin Luther King Jr. Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

#### **Shift Rates**

Night Differential is based upon a ten percent (10%) differential between the hours of 4:00 P.M. and 12:30 A.M. and a fifteen percent (15%) differential for the hours 12:00 A.M. to 8:00 A.M.

#### **Vacation**

Plus one Personal Day per year

Sick Days: One day per Year

(Local #3)

#### **ELECTRICIAN-STREET LIGHTING WORKER**

## <u>Electrician - Electro Pole Electrician</u>

Effective Period: 7/1/2013 - 5/20/2014

Wage Rate per Hour: \$52.00

Supplemental Benefit Rate per Hour: \$47.90

Effective Period: 5/21/2014 - 6/30/2014

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$49.34

## **Electrician - Electro Pole Foundation Installer**

Effective Period: 7/1/2013 - 5/20/2014

Wage Rate per Hour: \$39.42

Supplemental Benefit Rate per Hour: \$36.46

Effective Period: 5/21/2014 - 6/30/2014

Wage Rate per Hour: \$40.18

Supplemental Benefit Rate per Hour: \$37.73

## Electrician - Electro Pole Maintainer

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Effective Period: 7/1/2013 - 5/20/2014

Wage Rate per Hour: \$33.75

Supplemental Benefit Rate per Hour: \$32.83

Effective Period: 5/21/2014 - 6/30/2014

Wage Rate per Hour: \$34.40

Supplemental Benefit Rate per Hour: \$34.00

#### **Overtime Description**

Electrician - Electro Pole Electrician: Time and one half the regular rate after a 7 hour day and after 5 consecutive days worked per week.

Electrician - Electro Pole Foundation Installer: Time and one half the regular rate after 8 hours within a 24 hour period and Saturday and Sunday.

Electrician - Electro Pole Maintainer: Time and one half the regular rate after a 7 hour day and after 5 consecutive days worked per week. Saturdays and Sundays may be used as a make-up day at straight time when a day is lost during the week to inclement weather.

#### **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

#### **Paid Holidays**

None

(Local #3)

### **ELEVATOR CONSTRUCTOR**

## **Elevator Constructor**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$57.01

Supplemental Benefit Rate per Hour: \$34.48

#### **Overtime Description**

For New Construction: work performed after 7 or 8 hour day, Saturday, Sunday or between 4:30pm and 7:00am shall be paid at double time rate.

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Existing buildings: work performed after an 8 hour day, Saturday, Sunday or between 5:30pm and 7:00 am shall be paid time and one half.

#### **Overtime**

Double time the regular rate for work on the following holiday(s).

#### Paid Holidays

New Year's Day
President's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

#### **Vacation**

Employer contributes 8% of regular basic hourly rate as vacation pay for employees with more than 15 years of service, and 6% for employees with 5 to 15 years of service, and 4% for employees with less than 5 years of service.

(Local #1)

#### **ELEVATOR REPAIR & MAINTENANCE**

## Elevator Service/Modernization Mechanic

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.14

Supplemental Benefit Rate per Hour: \$33.02

### **Overtime Description**

For Service Work: Double time - all work performed on Sundays, Holidays, and between midnight and 7:00am.

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

Time and one half the regular rate for work on a holiday plus the day's pay.

#### Paid Holidays

New Year's Day President's Day Good Friday Memorial Day Independence Day Labor Day

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Columbus Day Veteran's Day Thanksgiving Day Day after Thanksgiving Christmas Day

#### Shift Rates

For Modernization Work (4pm to 12:30am) - regularly hourly rate plus a (15%) fifteen percent differential.

#### Vacation

Employer contributes 8% of regular basic hourly rate as vacation pay for employees with more than 15 years of service, and 6% for employees with 5 to 15 years of service, and 4% for employees with less than 5 years of service.

(Local #1)

#### **ENGINEER**

## **Engineer - Heavy Construction Operating Engineer I**

Cherrypickers 20 tons and over and Loaders (rubber tired and/or tractor type with a manufacturer's minimum rated capacity of six cubic yards and over).

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$61.05

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$97.68

## **Engineer - Heavy Construction Operating Engineer II**

Backhoes, Basin Machines, Groover, Mechanical Sweepers, Bobcat, Boom Truck, Barrier Transport (Barrier Mover) & machines of similar nature. Operation of Churn Drills and machines of a similar nature, Stetco Silent Hoist and machines of similar nature, Vac-Alls, Meyers Machines, John Beam and machines of a similar nature, Ross Carriers and Travel Lifts and machines of a similar nature, Bulldozers, Scrapers and Turn-a-Pulls: Tugger Hoists (Used exclusively for handling excavated material); Tractors with attachments, Hyster and Roustabout Cranes, Cherrypickers. Austin Western, Grove and machines of a similar nature, Scoopmobiles, Monorails, Conveyors, Trenchers: Loaders-Rubber Tired and Tractor: Barber Greene and Eimco Loaders and Eimco Backhoes; Mighty Midget and similar breakers and Tampers, Curb and Gutter Pavers and Motor Patrol, Motor Graders and all machines of a similar nature. Locomotives 10 Tons or under. Mini-Max, Break-Tech and machines of a similar nature; Milling machines, robotic and demolition machines and machines of a similar nature, shot blaster, skid steer machines and machines of a similar nature including bobcat, pile rig rubber-tired excavator (37,000 lbs. and under), 2 man auger.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$59.24

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$94.78

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## **Engineer - Heavy Construction Operating Engineer III**

Minor Equipment such as Tractors, Post Hole Diggers, Ditch Witch (Walk Behind), Road Finishing Machines, Rollers five tons and under, Tugger Hoists, Dual Purpose Trucks, Fork Lifts, and Dempsey Dumpers, Fireperson.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$56.22

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$89.95

## **Engineer - Heavy Construction Maintenance Engineer I**

Installing, Repairing, Maintaining, Dismantling and Manning of all equipment including Steel Cutting, Bending and Heat Sealing Machines, Mechanical Heaters, Grout Pumps, Bentonite Pumps & Plants, Screening Machines, Fusion Coupling Machines, Tunnel Boring Machines Moles and Machines of a similar nature, Power Packs, Mechanical Hydraulic Jacks; all drill rigs including but not limited to Churn, Rotary Caisson, Raised Bore & Drills of a similar nature; Personnel, Inspection & Safety Boats or any boats used to perform functions of same, Mine Hoists, Whirlies, all Climbing Cranes, all Tower Cranes, including but not limited to Truck Mounted and Crawler Type and machines of similar nature; Maintaining Hydraulic Drills and machines of a similar nature; Well Point System-Installation and dismantling; Burning, Welding, all Pumps regardless of size and/or motor power, except River Cofferdam Pumps and Wells Point Pumps; Motorized Buggies (three or more); equipment used in the cleaning and televising of sewers, but not limited to jet-rodder/vacuum truck, vacall/vactor, closed circuit television inspection equipment; high powered water pumps, jet pumps; screed machines and concrete finishing machines of a similar nature; vermeers.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$58.97

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$94.35

## Engineer - Heavy Construction Maintenance Engineer II

On Base Mounted Tower Cranes

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$77.30

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$123.68

## **Engineer - Heavy Construction Maintenance Engineer III**

On Generators, Light Towers

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.10

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$62.56

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## **Engineer - Heavy Construction Maintenance Engineer IV**

On Pumps and Mixers including mud sucking

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$40.11

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$64.18

### **Engineer - Heavy Construction Oilers I**

Gradalls, Cold Planer Grader, Concrete Pumps, Driving Truck Cranes, Driving and Operating Fuel and Grease Trucks.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$53.22

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$85.15

#### **Engineer - Heavy Construction Oilers II**

All gasoline, electric, diesel or air operated Shovels, Draglines, Backhoes, Keystones, Pavers, Gunite Machines, Battery of Compressors, Crawler Cranes, two-person Trenching Machines.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$36.97

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$59.15

## **Engineer - Steel Erection Maintenance Engineers**

Derrick, Travelers, Tower, Crawler Tower and Climbing Cranes

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$57.05

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$91.28

## Engineer - Steel Erection Oiler I

On a Truck Crane

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$53.43

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$85.49

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## **Engineer - Steel Erection Oiler II**

On a Crawler Crane

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$40.84

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$65.34

#### **Overtime Description**

On jobs of more than one shift, if the next shift employee fails to report for work through any cause over which the employer has no control, the employee on duty who works the next shift continues to work at the single time rate.

#### **Overtime**

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

Double time the regular rate for work on the following holiday(s).

#### **Paid Holidays**

New Year's Day
Lincoln's Birthday
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

## **Engineer - Building Work Maintenance Engineers I**

Installing, repairing, maintaining, dismantling (of all equipment including: Steel Cutting and Bending Machines, Mechanical Heaters, Mine Hoists, Climbing Cranes, Tower Cranes, Linden Peine, Lorain, Liebherr, Mannes, or machines of a similar nature, Well Point Systems, Deep Well Pumps, Concrete Mixers with loading Device, Concrete Plants, Motor Generators when used for temporary power and lights), skid steer machines of a similar nature including bobcat.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$54.04

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

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## **Engineer - Building Work Maintenance Engineers II**

On Pumps, Generators, Mixers and Heaters

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.10

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

#### **Engineer - Building Work Oilers I**

All gasoline, electric, diesel or air operated Gradealls: Concrete Pumps, Overhead Cranes in Power Houses: Their duties shall be to assist the Engineer in oiling, greasing and repairing of all machines; Driving Truck Cranes: Driving and Operating Fuel and Grease Trucks, Cherrypickers (hydraulic cranes) over 70,000 GVW, and machines of a similar nature.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$51.40

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

### **Engineer - Building Work Oilers II**

Oilers on Crawler Cranes, Backhoes, Trenching Machines, Gunite Machines, Compressors (three or more in Battery).

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$38.31

Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

## **Overtime Description**

On jobs of more than one shift, if an Employee fails to report for work through any cause over which the Employer has no control, the Employee on duty will continue to work at the rate of single time.

#### **Overtime**

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

Double time the regular rate for work on the following holiday(s).

#### Paid Holidays

New Year's Day Lincoln's Birthday President's Day Memorial Day Independence Day Labor Day Columbus Day Veteran's Day Thanksgiving Day Christmas Day

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Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

#### Shift Rates

Off Shift: double time the regular hourly rate.

(Local #15)

#### **ENGINEER - CITY SURVEYOR AND CONSULTANT**

#### **Party Chief**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$35.55

Supplemental Benefit Rate per Hour: \$17.65

#### **Instrument Person**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$29.41

Supplemental Benefit Rate per Hour: \$17.65

#### **Rodperson**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$25.54

Supplemental Benefit Rate per Hour: \$17.65

#### **Overtime Description**

Overtime Benefit Rate - \$23.63 per hour (time & one half) \$29.95 per hour (double time). Time and one half the regular rate after an 8 hour day, Time and one half the regular rate for Saturday for the first eight hours worked, Double time the regular time rate for Saturday for work performed in excess of eight hours, Double time the regular rate for Sunday and Double time the regular rate for work on a holiday.

#### **Paid Holidays**

New Year's Day
Lincoln's Birthday
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

(Operating Engineer Local #15-D)

## ENGINEER - FIELD (BUILDING CONSTRUCTION) (Construction of Building Projects, Concrete Superstructures, etc.)

## Field Engineer - BC Party Chief

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$55.40

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime Benefit Rate - \$42.73 per hour (time & one half) \$54.84 per hour (double time).

### Field Engineer - BC Instrument Person

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$43.10

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime Benefit Rate - \$42.73 per hour (time & one half) \$54.84 per hour (double time).

#### Field Engineer - BC Rodperson

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$27.96

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime Benefit Rate - \$42.73 per hour (time & one half) \$54.84 per hour (double time).

#### **Overtime Description**

Time and one half the regular rate after a 7 hour work and time and one half the regular rate for Saturday for the first seven hours worked, Double time the regular time rate for Saturday for work performed in excess of seven hours, Double time the regular rate for Sunday and Double time the regular rate for work on a holiday.

#### **Paid Holidays**

New Year's Day
President's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

(Operating Engineer Local #15-D)

# ENGINEER - FIELD (HEAVY CONSTRUCTION) (Construction of Roads, Tunnels, Bridges, Sewers, Building Foundations, Engineering Structures etc.)

#### Field Engineer - HC Party Chief

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$62.61

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

#### Field Engineer - HC Instrument Person

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$46.00

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

#### Field Engineer - HC Rodperson

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$38.61

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

### **Overtime Description**

Time and one half the regular rate after an 8 hour day, Time and one half the regular rate for Saturday for the first eight hours worked, Double time the regular time rate for Saturday for work performed in excess of eight hours, Double time the regular rate for Sunday and Double time the regular rate for work on a holiday.

#### Paid Holidays

New Year's Day Lincoln's Birthday President's Day Memorial Day Independence Day Labor Day Columbus Day Veteran's Day Thanksgiving Day Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

(Operating Engineer Local #15-D)

## **ENGINEER - FIELD (STEEL ERECTION)**

## Field Engineer - Steel Erection Party Chief

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$58.50

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

## Field Engineer - Steel Erection Instrument Person

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.53

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

## Field Engineer - Steel Erection Rodperson

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$30.43

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

#### **Overtime Description**

Time and one half the regular rate for Saturday for the first eight hours worked. Double time the regular rate for Saturday for work performed in excess of eight hours.

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Double time the regular rate for Sunday.

Double time the regular rate for work on the following holiday(s).

#### **Paid Holidays**

New Year's Day
Lincoln's Birthday
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

(Operating Engineer Local #15-D)

#### **ENGINEER - OPERATING**

## Operating Engineer - Road & Heavy Construction I

PUBLISH DATE: 7/1/2013 EFFECTIVE PERIOD: JULY 1, 2013 THROUGH JUNE 30, 2014 Page 34 of 81

Back Filling Machines, Cranes, Mucking Machines and Dual Drum Paver.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$67.70

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$108.32

## **Operating Engineer - Road & Heavy Construction II**

Backhoes, Power Shovels, Hydraulic Clam Shells, Steel Erection, Moles and machines of a similar nature.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$70.10

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: 51.75 overtime hours

Shift Wage Rate: \$112.16

## **Operating Engineer - Road & Heavy Construction III**

Mine Hoists, Cranes, etc. (Used as Mine Hoists)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$72.34

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$115.74

## Operating Engineer - Road & Heavy Construction IV

Gradealls, Keystones, Cranes on land or water (with digging buckets), Bridge Cranes, Vermeer Cutter and machines of a similar nature, Trenching Machines.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$70.63

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$113.01

## **Operating Engineer - Road & Heavy Construction V**

Pile Drivers & Rigs (employing Dock Builder foreperson): Derrick Boats, Tunnel Shovels.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$69.23

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$110.77

## Operating Engineer - Road & Heavy Construction VI

PUBLISH DATE: 7/1/2013 EFFECTIVE PERIOD: JULY 1, 2013 THROUGH JUNE 30, 2014 Page 35 of 81

Mixers (Concrete with loading attachment), Concrete Pavers, Cableways, Land Derricks, Power Houses (Low Air Pressure Units).

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$65.76

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$105.22

### **Operating Engineer - Road & Heavy Construction VII**

Barrier Movers, Barrier Transport and Machines of a Similar Nature.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$53.08

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$84.93

### **Operating Engineer - Road & Heavy Construction VIII**

**Utility Compressors** 

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$41.18

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$51.93

## Operating Engineer - Road & Heavy Construction IX

Horizontal Boring Rig

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$62.53

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$100.05

## **Operating Engineer - Road & Heavy Construction X**

Elevators (manually operated as personnel hoist).

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$57.46

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$91.94

## **Operating Engineer - Road & Heavy Construction XI**

PUBLISH DATE: 7/1/2013 EFFECTIVE PERIOD: JULY 1, 2013 THROUGH JUNE 30, 2014 Page 36 of 81

Compressors (Portable 3 or more in battery), Driving of Truck Mounted Compressors, Well-point Pumps, Tugger Machines Well Point Pumps, Churn Drill.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$44.63

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$71.41

## **Operating Engineer - Road & Heavy Construction XII**

All Drills and Machines of a similar nature.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$66.45

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$106.32

## **Operating Engineer - Road & Heavy Construction XIII**

Concrete Pumps, Concrete Plant, Stone Crushers, Double Drum Hoist, Power Houses (other than above).

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$64.34

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$102.94

## **Operating Engineer - Road & Heavy Construction XIV**

**Concrete Mixer** 

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$61.53

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$98.45

## **Operating Engineer - Road & Heavy Construction XV**

Compressors (Portable Single or two in Battery, not over 100 feet apart), Pumps (River Cofferdam) and Welding Machines, Push Button Machines, All Engines Irrespective of Power (Power-Pac) used to drive auxiliary equipment, Air, Hydraulic, etc.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$41.44

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$66.30

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### Operating Engineer - Road & Heavy Construction XVI

Concrete Breaking Machines, Hoists (Single Drum), Load Masters, Locomotives (over ten tons) and Dinkies over ten tons, Hydraulic Crane-Second Engineer.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$58.74

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.85 overtime hours

Shift Wage Rate: \$93.98

## Operating Engineer - Road & Heavy Construction XVII

On-Site concrete plant engineer, On-site Asphalt Plant Engineer, and Vibratory console.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$59.21

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$94.74

## Operating Engineer - Road & Heavy Construction XVIII

**Tower Crane** 

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$85.00

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$136.00

## Operating Engineer - Paving I

Asphalt Spreaders, Autogrades (C.M.I.), Roto/Mil

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$65.76

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$105.22

## **Operating Engineer - Paving II**

Asphalt Roller

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$64.04

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$102.46

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## **Operating Engineer - Paving III**

#### **Asphalt Plants**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$54.17

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$86.67

### Operating Engineer - Concrete I

#### **Cranes**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$70.32

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

#### **Operating Engineer - Concrete II**

#### Compressors

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$41.76

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

## **Operating Engineer - Concrete III**

Micro-traps (Negative Air Machines), Vac-All Remediation System.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$56.16

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

## **Operating Engineer - Steel Erection I**

#### **Three Drum Derricks**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$73.37

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$117.39

## Operating Engineer - Steel Erection II

Cranes, 2 Drum Derricks, Hydraulic Cranes, Fork Lifts and Boom Trucks.

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Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$70.50

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$112.80

## **Operating Engineer - Steel Erection III**

Compressors, Welding Machines.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$41.84

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$66.94

## Operating Engineer - Steel Erection IV

Compressors - Not Combined with Welding Machine.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.85

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$63.76

## Operating Engineer - Building Work I

Forklifts, Plaster (Platform machine), Plaster Bucket, Concrete Pump and all other equipment used for hoisting material.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$57.82

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

## Operating Engineer - Building Work II

Compressors, Welding Machines (Cutting Concrete-Tank Work), Paint Spraying, Sandblasting, Pumps (with the exclusion of Concrete Pumps), All Engines irrespective of Power (Power-Pac) used to drive Auxiliary Equipment, Air, Hydraulic, Jacking System, etc.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$43.28

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

## Operating Engineer - Building Work III

**Double Drum** 

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Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$65.83

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

### **Operating Engineer - Building Work IV**

Stone Derrick, Cranes, Hydraulic Cranes Boom Trucks.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$69.74

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

### Operating Engineer - Building Work V

Dismantling and Erection of Cranes, Relief Engineer.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$64.26

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

### **Operating Engineer - Building Work VI**

4 Pole Hoist, Single Drum Hoists.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$63.58

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

## **Operating Engineer - Building Work VII**

Rack & Pinion and House Cars

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$50.53

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

For New House Car projects started after 7/1/11 only: Wage Rate per Hour \$40.31

### **Overtime Description**

On jobs of more than one shift, if an Employee fails to report for work through any cause over which the Employer has no control, the Employee on duty will continue to work at the rate of single time.

For House Cars and Rack & Pinion only: Overtime paid at time and one-half for all hours in excess of eight hours in a day, Saturday, Sunday and Holidays worked.



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Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

Double time the regular rate for work on the following holiday(s).

#### **Paid Holidays**

New Year's Day
Lincoln's Birthday
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

#### Shift Rates

For Steel Erection Only: Shifts may be worked at the single time rate at other than the regular working hours (8:00 A.M. to 4:30 P.M.) on the following work ONLY: Heavy construction jobs on work below the street level, over railroad tracks and on building jobs.

(Operating Engineer Local #14)

#### FLOOR COVERER

(Interior vinyl composition tile, sheath vinyl linoleum and wood parquet tile including site preparation and synthetic turf not including site preparation)

#### **Floor Coverer**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$46.15

Supplemental Benefit Rate per Hour: \$38.50

#### Overtime

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). New Year's Day President's Day Memorial Day Independence Day Labor Day

Columbus Day Presidential Election Day Thanksgiving Day Day after Thanksgiving Christmas Day

#### **Paid Holidays**

1/2 day on Christmas Eve if work is performed in the A.M. 1/2 day on New Year's Eve if work is performed in the A.M.

#### **Shift Rates**

Two shifts may be utilized with the first shift working 8:00 A.M. to the end of the shift at the straight time of pay. The second shift will receive one hour at double time rate for the last hour of the shift. (eight for seven, nine for eight).

(Carpenters District Council)

#### **GLAZIER**

(New Construction, Remodeling, and Alteration)

#### Glazier

Effective Period: 7/1/2013 - 10/31/2013

Wage Rate per Hour: \$42.00

Supplemental Benefit Rate per Hour: \$33.24

Supplemental Note: Supplemental Benefit Overtime Rate: \$41.24

Effective Period: 11/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.00

Supplemental Benefit Rate per Hour: \$34.09

Supplemental Note: Supplemental Benefit Overtime Rate: \$42.59

#### Overtime Description

An optional 8th hour can be worked at straight time rate. If 9th hour is worked, then both hours or more (8th & 9th or more) will be at the double time rate of pay.

#### **Overtime**

Double time the regular rate after a 7 hour day. Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

#### Overtime Holidays

Double time the regular rate for work on the following holiday(s). New Year's Day President's Day Memorial Day Independence Day Labor Day

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Thanksgiving Day
Day after Thanksgiving
Christmas Day

#### Paid Holidays

None

#### **Shift Rates**

Shifts shall be any 7 hours beyond 4:00 P.M. for which the glazier shall receive 8 hours pay for 7 hours worked.

(Local #1281)

#### **GLAZIER - REPAIR & MAINTENANCE**

(For the Installation of Glass - All repair and maintenance work on a particular building, whenever performed, where the total cumulative contract value is under \$105,000. Except where enumerated (i.e. plate glass windows) does not apply to non-residential buildings.)

## Craft Jurisdiction for repair, maintenance and fabrication

Plate glass replacement, Residential glass replacement, Residential mirrors and shower doors, Storm windows and storm doors, Residential replacement windows, Herculite door repairs, Door closer repairs, Retrofit apartment house (non commercial buildings), Glass tinting.

Effective Period: 7/1/2013 - 4/30/2014

Wage Rate per Hour: \$23.50

Supplemental Benefit Rate per Hour: \$18.54

Effective Period: 5/1/2014 - 6/30/2014

Wage Rate per Hour: \$23.60

Supplemental Benefit Rate per Hour: \$19.04

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Double time the regular rate for Sunday.

Time and one half the regular hourly rate after 40 hours in any work week.

#### Paid Holidays

New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

(Local #1281)

#### **HEAT AND FROST INSULATOR**

#### **Heat & Frost Insulator**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$56.48

Supplemental Benefit Rate per Hour: \$33.31

#### **Overtime Description**

Double time shall be paid for supplemental benefits during overtime work. 8th hour paid at time and one half.

#### **Overtime**

Double time the regular rate after an 8 hour day. Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

Triple time the regular rate for work on the following holiday(s). Labor Day

#### **Paid Holidays**

None

#### **Shift Rates**

The first shift shall work seven hours at the regular straight time rate. The second and third shift shall work seven hours the regular straight time hourly rate plus a fourteen percent wage and benefit premium. Off hour work in occupied or retail buildings may be worked on weekdays with an increment of \$1.00 per hour and eight hours pay for seven (7) hours worked. Double time will apply for over seven (7) hours worked on weekdays, weekends or holidays.

(Local #12)

## HOUSE WRECKER (TOTAL DEMOLITION)

#### **House Wrecker - Tier A**

On all work sites the first, second, eleventh and every third House Wrecker thereafter shall be Tier A House Wreckers (i.e. 1st, 2nd, 11th, 14th etc). The 10th and 20th House Wrecker shall be apprentices. Other House Wreckers shall be Tier B House Wreckers.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$34.01

Supplemental Benefit Rate per Hour: \$25.14

### House Wrecker - Tier B

On all work sites the first, second, eleventh and every third House Wrecker thereafter shall be Tier A House Wreckers (i.e. 1st, 2nd, 11th, 14th etc). The 10th and 20th House Wrecker shall be apprentices. Other House Wreckers shall be Tier B House Wreckers.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$23.75

Supplemental Benefit Rate per Hour: \$18.62

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).
New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

#### **Paid Holidays**

None

(Mason Tenders District Council)

#### **IRON WORKER - ORNAMENTAL**

## Iron Worker - Ornamental

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Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.30

Supplemental Benefit Rate per Hour: \$43.54

Supplemental Note: Supplemental benefits are to be paid at the applicable overtime rate when overtime is in

effect.

### **Overtime Description**

Time and one half the regular rate after a 7 hour day for a maximum of two hours on any regular work day (the 8th and 9th hour) and double time shall be paid for all work on a regular work day thereafter, time and one half the regular rate for Saturday for the first seven hours of work and double time shall be paid for all work on a Saturday thereafter.

#### **Overtime**

Double time the regular rate for Sunday.

#### Overtime Holidays

Double time the regular rate for work on the following holiday(s). New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

## Paid Holidays

None

#### **Shift Rates**

For off shift work - 8 hours pay for 7 hours of work. When two or three shifts are employed on a job, Monday through Friday, the workday for each shift shall be seven hours and paid for ten and one-half hours at the single time rate. When two or three shifts are worked on Saturday, Sunday or holidays, each shift shall be seven hours and paid fifteen and three-quarters hours.

(Local #580)

#### **IRON WORKER - STRUCTURAL**

## <u> Iron Worker - Structural</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$46.75

Supplemental Benefit Rate per Hour: \$62.48

Supplemental Note: Supplemental benefits are to be paid at the applicable overtime rate when overtime is in

effect.

## **Overtime Description**

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Monday through Friday- the first eight hours are paid at straight time, the 9th and 10th hours are paid at time and one-half the regular rate, all additional weekday overtime is paid at double the regular rate. Saturdays- the first eight hours are paid at time and one-half the regular rate, double time thereafter. Sunday-all shifts are paid at double time.

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### Overtime Holidays

Double time the regular rate for work on the following holiday(s).
New Year's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

#### **Paid Holidays**

1/2 day on Christmas Eve if work is performed in the A.M. 1/2 day on New Year's Eve if work is performed in the A.M.

#### **Shift Rates**

Monday through Friday - First Shift: First eight hours are paid at straight time, the 9th & 10th hours are paid at time and a half, double time paid thereafter. Second and third Shifts: First eight hours are paid at time and one-half, double time thereafter. Saturdays: All shifts, first eight hours paid at time and one-half, double time thereafter: Sunday all shifts are paid at double time.

(Local #40 & #361)

#### LABORER

(Foundation, Concrete, Excavating, Street Pipe Layer and Common)

#### Laborer

Excavation and foundation work for buildings, heavy construction, engineering work, and hazardous waste removal in connection with the above work. Landscaping tasks in connection with heavy construction work, engineering work and building projects. Projects include, but are not limited to pollution plants, sewers, parks, subways, bridges, highways, etc.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.25

Supplemental Benefit Rate per Hour: \$33.25

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

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Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Presidential Election Day
Thanksgiving Day
Christmas Day

#### Paid Holidays

Labor Day Thanksgiving Day

#### Shift Rates

When two shifts are employed, single time rate shall be paid for each shift. When three shifts are found necessary, each shift shall work seven and one half hours (7  $\frac{1}{2}$ ), but shall be paid for eight (8) hours of labor, and be permitted one half hour for lunch.

(Local #731)

#### LANDSCAPING

(Landscaping tasks, as well as tree pruning, tree removing, spraying and maintenance in connection with the planting of street trees and the planting of trees in city parks but not when such activities are performed as part of, or in connection with, other construction or reconstruction projects.)

## Landscaper (Above 6 years experience)

Effective Period: 7/1/2013 - 6/30/2014 Wage Rate per Hour: \$24.25

Supplemental Benefit Rate per Hour: \$12.30

## Landscaper (3 - 6 years experience)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$23.25

Supplemental Benefit Rate per Hour: \$12.30

## Landscaper (up to 3 years experience)

Effective Period: 7/1/2013 - 6/30/2014

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Wage Rate per Hour: \$20.75

Supplemental Benefit Rate per Hour: \$12.30

#### **Groundperson**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$20.75

Supplemental Benefit Rate per Hour: \$12.30

#### Tree Remover / Pruner

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$29.25

Supplemental Benefit Rate per Hour: \$12.30

## Landscaper Sprayer (Pesticide Applicator)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$19.25

Supplemental Benefit Rate per Hour: \$12.30

### Watering - Plant Maintainer

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$14.25

Supplemental Benefit Rate per Hour: \$12.30

#### **Overtime Description**

For all overtime work performed, supplemental benefits shall include an additional seventy-five (\$0.75) cents per hour.

#### **Overtime**

Time and one half the regular rate after an 8 hour day.
Time and one half the regular rate for Saturday.
Double time the regular rate for Sunday.
Time and one half the regular rate for work on a holiday plus the day's pay.

#### Paid Holidays

New Year's Day Memorial Day Independence Day Labor Day Thanksgiving Day Christmas Day

#### **Shift Rates**

Work performed on a 4pm to 12am shift has a 15% differential. Work performed on a 12am to 8am shift has a 20% differential.

(Local #175)

#### MARBLE MECHANIC

#### **Marble Setter**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$49.19

Supplemental Benefit Rate per Hour: \$32,24

#### Marble Finisher

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.05

Supplemental Benefit Rate per Hour: \$31,43

#### **Marble Polisher**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$34.73

Supplemental Benefit Rate per Hour: \$24.60

#### Overtime Description

Supplemental Benefit contributions are to be made at the applicable overtime rates. Time and one half the regular rate after a 7 hour day or time and one half the regular rate after an 8 hour day - chosen by Employer at the start of the project and then would last for the full duration of the project.

#### Overtime

Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day **President's Day Good Friday Memorial Day** Independence Day

**Labor Day** 

**Columbus Day** 

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

**Christmas Day** 

## Paid Holidays

None

(Local #7)

#### **MASON TENDER**

### <u> Mason Tender</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$35.00

Supplemental Benefit Rate per Hour: \$25.74

#### Overtime

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement

weather.

#### Overtime Holidays

Double time the regular rate for work on the following holiday(s).

New Year's Day

**President's Day** 

**Memorial Day** 

Independence Day

**Labor Day** 

Thanksgiving Day

**Christmas Day** 

#### **Paid Holidays**

None

#### **Shift Rates**

The Employer may work two (2) shifts with the first shift at the straight time wage rate and the second shift receiving eight (8) hours paid for seven (7) hours work at the straight time wage rate.

(Local #79)

## MASON TENDER (INTERIOR DEMOLITION WORKER)

(The erection, building, moving, servicing and dismantling of enclosures, scaffolding, barricades, protection and site safety structures etc., on Interior Demolition jobs.)

## Mason Tender Tier A

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$34.07

Supplemental Benefit Rate per Hour: \$19.77

#### Mason Tender Tier B

On Interior Demolition job sites 33 1/3 % of the employees shall be classified as Tier A Interior Demolition Workers and 66 2/3 % shall be classified as Tier B Interior Demolition Workers; provided that the employer may employ more than 33 1/3 % Tier A Interior Demolition Workers on the job site. Where the number of employees on a job site is not divisible by 3, the first additional employee (above the number of employees divisible by three) shall be a Tier B Interior Demolition Worker, and the second additional employee shall be a Tier A Interior Demolition Worker.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$23.27

Supplemental Benefit Rate per Hour: \$14.08

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).
New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

## **Paid Holidays**

None

(Local #79)

#### **METALLIC LATHER**

#### **Metallic Lather**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$41.43

Supplemental Benefit Rate per Hour: \$40.15

Supplemental Note: Supplemental benefits for overtime are paid at the appropriate overtime rate.

#### **Overtime Description**

Overtime would be time and one half the regular rate after a seven (7) or eight (8) hours workday, which would be set at the start of the job.

Overtime

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Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### Overtime Holidays

Double time the regular rate for work on the following holiday(s). New Year's Day
Washington's Birthday
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Presidential Election Day
Thanksgiving Day
Christmas Day

#### Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M. 1/2 day on New Year's Eve if work is performed in the A.M.

#### **Shift Rates**

There shall be either two (2) or three (3) shifts, each shift shall be eight (8) hours with nine (9) hours pay, including one half (½) hour for lunch. Off-Hour Start shall commence after 3:30 P.M. and shall conclude by 6:00 A.M. The first consecutive seven (7) hours shall be at straight time with a differential of twelve dollars (\$12.00) per hour. Fringes shall be paid at the straight time rate.

(Local #46)

#### **MILLWRIGHT**

## <u>Millwright</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$47.69

Supplemental Benefit Rate per Hour: \$48.87

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

#### Overtime Holidays

Double time the regular rate for work on the following holiday(s).
New Year's Day
President's Day
Good Friday
Memorial Day
Independence Day

Labor Day Columbus Day Presidential Election Day Thanksgiving Day Christmas Day

#### Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M. 1/2 day on New Year's Eve if work is performed in the A.M.

#### Shift Rates

The first shift shall receive the straight time rate of pay. The second shift receives the straight time rate of pay plus fifteen (15%) per cent. Members of the second shift shall be allowed one half hour to eat, with this time being included in the hours of the workday established. There must be a first shift to work a second shift. All additional hours worked shall be paid at the time and one-half rate of pay plus fifteen (15%) per cent for weekday hours.

(Local #740)

#### **MOSAIC MECHANIC**

## Mosaic Mechanic - Mosaic & Terrazzo Mechanic

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$44.39

Supplemental Benefit Rate per Hour: \$35.11

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$46.08 per hour.

## Mosaic Mechanic - Mosaic & Terrazzo Finisher

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.78

Supplemental Benefit Rate per Hour: \$35.11

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$46.08 per hour.

## Mosaic Mechanic - Machine Operator Grinder

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.78

Supplemental Benefit Rate per Hour: \$35.11

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$46.08 per hour.

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

## **Overtime Holidays**

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Double time the regular rate for work on the following holiday(s). New Year's Day
Washington's Birthday
Good Friday
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

### **Paid Holidays**

None

(Local #7)

#### **PAINTER**

### Painter - Brush & Roller

Effective Period: 7/1/2013 - 4/30/2014

Wage Rate per Hour: \$37.50

Supplemental Benefit Rate per Hour: \$25.62 Supplemental Note: \$30.25 on overtime

Effective Period: 5/1/2014 - 6/30/2014

Wage Rate per Hour: \$39.50

Supplemental Benefit Rate per Hour: \$26.12 Supplemental Note: \$30.75 on overtime

## Spray & Scaffold / Decorative / Sandblast

Effective Period: 7/1/2013 - 4/30/2014

Wage Rate per Hour: \$40.50

Supplemental Benefit Rate per Hour: \$25.62 Supplemental Note: \$30.25 on overtime

Effective Period: 5/1/2014 - 6/30/2014

Wage Rate per Hour: \$42.50

Supplemental Benefit Rate per Hour: \$26.12 Supplemental Note: \$30.75 on overtime

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

## **Overtime Holidays**

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Time and one half the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Thanksgiving Day

Christmas Day

#### **Paid Holidays**

None

(District Council of Painters #9)

#### **PAINTER - SIGN**

### **Designer**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$36.15

Supplemental Benefit Rate per Hour: \$9.66

## <u>Journeyperson</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$33.62

Supplemental Benefit Rate per Hour: \$9.66

#### **Overtime**

Time and one half the regular rate after an 8 hour day.
Time and one half the regular rate for Saturday.
Time and one half the regular rate for Sunday.
Double time the regular rate for work on the following holiday(s).

#### **Paid Holidays**

New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Election Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

#### Shift Rates

All work performed outside the regular 8 hour work day (either 7:00 A.M to 3:30 P.M or 8:00 A.M. to 4:30 P.M) shall be paid at time and one half the regular hourly rate.

(Local #8A-28A)

#### **PAINTER - STRIPER**

### Striper (paint)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$33.00

Supplemental Benefit Rate per Hour: \$11.62

Supplemental Note: Overtime Supplemental Benefit rate - \$7.42; New Hire Rate (0-3 months) - \$0.00

### <u>Lineperson (thermoplastic)</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$37.00

Supplemental Benefit Rate per Hour: \$11.62

Supplemental Note: Overtime Supplemental Benefit rate - \$7.42; New Hire Rate (0-3 months) - \$0.00

#### **Overtime**

Time and one half the regular rate after an 8 hour day.
Time and one half the regular rate for Saturday.
Double time the regular rate for Sunday.

Time and one half the regular rate for work on the following holiday(s).

### **Paid Holidays**

New Year's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Presidential Election Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

#### Shift Rates

Employees hired before April 1, 2003: 15% night shift premium differential for work commenced at 9:00 PM or later.

#### **Vacation**

Employees with one to two years service shall accrue vacation based on hours worked: 250 hours worked - 1 day vacation; 500 hours worked - 2 days vacation; 750 hours worked - 3 days vacation; 900 hours worked - 4 days vacation; 1,000 hours worked - 5 days vacation. Employees with two to five years service receive two weeks vacation. Employees with five to twenty years service receive three weeks vacation. Employees with twenty to twenty-five years service receive four weeks vacation. Employees with 25 or more years service

receive five weeks vacation. Vacation must be taken during winter months. 2 Personal Days except employees hired after 4/1/12 who do not have 2 years of service.

(Local #917)

#### **PAINTER - STRUCTURAL STEEL**

## Painters on Structural Steel

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$47.00

Supplemental Benefit Rate per Hour: \$32.08

#### Painter - Power Tool

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$32.08

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

## **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).
New Year's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

## Paid Holidays

None

#### **Shift Rates**

Regular hourly rates plus a ten per cent (10%) differential

(Local #806)

#### **PAPERHANGER**

## <u>Paperhanger</u>

Effective Period: 7/1/2013 - 4/30/2014

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Wage Rate per Hour: \$39.00

Supplemental Benefit Rate per Hour: \$29.23

Supplemental Note: Supplemental benefits are to be paid at the appropriate straight time and overtime rate.

Effective Period: 5/1/2014 - 6/30/2014

Wage Rate per Hour: \$41.08

Supplemental Benefit Rate per Hour: \$29.23

Supplemental Note: Supplemental benefits are to be paid at the appropriate straight time and overtime rate.

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

## **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

## **Paid Holidays**

None

#### **Shift Rates**

Evening shift - 4:30 P.M. to 12:00 Midnight (regular rate of pay); any work performed before 7:00 A.M. shall be at time and one half the regular base rate of pay.

(District Council of Painters #9)

#### PAVER AND ROADBUILDER

## Paver & Roadbuilder - Formsetter

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$43.54

Supplemental Benefit Rate per Hour: \$33.55

## Paver & Roadbuilder - Laborer

Paving and road construction work, regardless of material used, including but not limited to preparation of job sites, removal of old surfaces, asphalt and/or concrete, by whatever method, including but not limited to milling; laying of concrete; laying of asphalt for temporary, patchwork, and utility paving (but not production paving); site preparation and incidental work before the installation of rubberized materials and similar surfaces; installation

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and repair of temporary construction fencing; slurry seal coating, maintenance of safety surfaces; play equipment installation, and other related work.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.67

Supplemental Benefit Rate per Hour: \$33.55

## Production Paver & Roadbuilder - Screed Person

(Production paving is asphalt paving when using a paving machine or on a project where a paving machine is traditionally used)

Adjustment of paving machinery on production paving jobs.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.12

Supplemental Benefit Rate per Hour: \$33.55

## <u> Production Paver & Roadbuilder - Raker</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$44.61

Supplemental Benefit Rate per Hour: \$33.55

## Production Paver & Roadbuilder - Shoveler

General laborer (except removal of surfaces - see Paver and Roadbuilder-Laborer) including but not limited to tamper, AC paint and liquid tar work.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$41.32

Supplemental Benefit Rate per Hour: \$33.55

## **Overtime Description**

Veteran's Day is a Paid Holiday for employees working on production paving.

If an employee works New Year's Day or Christmas Day, they receive the single time rate plus 25%.

Employees who work on a holiday listed below receive the straight time rate plus one day's pay for the holiday.

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### Paid Holidays

Memorial Day Independence Day Labor Day Presidential Election Day Thanksgiving Day

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#### **Shift Rates**

When two shifts are employed, the work period for each shift shall be a continuous eight (8) hours. When three shifts are employed, each shift will work seven and one half (7  $\frac{1}{2}$ ) hours but will be paid for eight (8) hours since only one half (1/2) hour is allowed for meal time.

When two or more shifts are employed, single time will be paid for each shift.

Night Work - On night work, the first eight (8) hours of work will be paid for at the single time rate, except that production paving work shall be paid at 20% over the single time rate for the screed person, rakers and shovelers directly involved only. All other workers will be exempt. Hours worked over eight (8) hours during said shift shall be paid for at the time and one-half rate.

(Local #1010)

#### **PLASTERER**

## <u>Plasterer</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$41.13

Supplemental Benefit Rate per Hour: \$24.95

#### **Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

#### Overtime Holidays

Double time the regular rate for work on the following holiday(s).

New Year's Day

Martin Luther King Jr. Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Christmas Day

## **Paid Holidays**

None

#### **Shift Rates**

When it is not possible to conduct alteration work during regular work hours, in a building occupied by tenants, said work shall proceed on a shift basis: however work over seven (7) hours in any twenty four (24) hour period, the time after seven (7) hours shall be considered overtime.

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The second shift shall start at a time between 3:30 p.m. and 7:00 p.m. and shall consist of seven (7) working hours and shall receive eight (8) hours of wages and benefits at the straight time rate. The workers on the second shift shall be allowed one-half ( $\frac{1}{2}$ ) hour to eat with this time being included in the seven (7) hours of work.

(Local #530)

#### **PLASTERER - TENDER**

## <u>Plasterer - Tender</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$35.00

Supplemental Benefit Rate per Hour: \$25.74

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

## Overtime Holidays

Double time the regular rate for work on the following holiday(s). New Year's Day Washington's Birthday Memorial Day Independence Day

Labor Day Presidential Election Day Thanksgiving Day

Christmas Day

## **Paid Holidays**

None

#### **Shift Rates**

When work commences outside regular work hours, workers receive an hour additional (differential) wage and supplement payment. Eight hours pay for seven hours work or nine hours pay for eight hours work.

1	(Mason	<b>Tenders</b>	District	Council)

#### **PLUMBER**

## **Plumber**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$51.76

Supplemental Benefit Rate per Hour: \$37.19

Supplemental Note: Overtime supplemental benefit rate per hour: \$74.10

## **Overtime Description**

Double time the regular rate after a 7 hour day - unless for new construction site work where the plumbing contract price is \$1.5 million or less, the hours of labor can be 8 hours per day at the employers option. On Alteration jobs when other mechanical trades at the site are working an eighth hour at straight time, then the plumber shall also work an eighth hour at straight time.

#### **Overtime**

Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

## Overtime Holidays

Double time the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

#### **Shift Rates**

Shift work, when directly specified in public agency or authority documents where plumbing contract is \$8 million or less, will be permitted. 30% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shifts Monday to Friday. 50% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shift work performed on weekends. For shift work on holidays, double time wages and fringe benefits shall be paid.

(Plumbers Local #1)

# PLUMBER (MECHNICAL EQUIPMENT AND SERVICE) (Mechanical Equipment and Service work shall include any repair and/or replacement of the present plumbing system.)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$33.46

Supplemental Benefit Rate per Hour: \$16.93

#### Overtime

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday.

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Time and one half the regular rate for Sunday.

#### Overtime Holidays

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

#### **Paid Holidays**

None

(Plumbers Local # 1)

# PLUMBER (RESIDENTIAL RATES FOR 1, 2 AND 3 FAMILY HOME CONSTRUCTION)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$37.11

Supplemental Benefit Rate per Hour: \$25.56

#### **Overtime**

Double time the regular rate after an 8 hour day. Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

## **Paid Holidays**

None

#### Shift Rates

30% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shifts Monday to Friday. 50% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shift work performed on weekends. For shift work on holidays, double time wages and fringe benefits shall be paid.

(Plumbers Local #1)

# PLUMBER: PUMP & TANK (Installation and Maintenance)

#### Plumber - Pump & Tank

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$53.01

Supplemental Benefit Rate per Hour: \$31.86

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

#### Overtime Holidays

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

## **Paid Holidays**

None

#### **Shift Rates**

All work outside the regular workday (8:00 A.M. to 3:30 P.M.) is to be paid at time and one half the regular hourly rate

(Plumbers Local #1)

# POINTER - WATERPROOFER, CAULKER MECHANIC (EXTERIOR BUILDING RENOVATION)

## Pointer - Waterproofer, Caulker Mechanic

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.41

Supplemental Benefit Rate per Hour: \$23.29

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement

weather.

#### **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

Martin Luther King Jr. Day

**President's Day** 

**Memorial Day** 

Independence Day

**Labor Day** 

**Thanksgiving Day** 

**Christmas Day** 

## **Paid Holidays**

None

#### **Shift Rates**

All work outside the regular work day (an eight hour workday between the hours of 6:00 A.M. and 4:30 P.M.) is to be paid at time and one half the regular rate.

(Bricklayer District Council)

#### **ROOFER**

#### Roofer Roofer

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.00

Supplemental Benefit Rate per Hour: \$27.37

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

#### **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s).

**New Year's Day** 

President's Day

Memorial Day

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Independence Day Labor Day Presidential Election Day Thanksgiving Day Christmas Day

#### **Paid Holidays**

None

#### **Shift Rates**

Second shift - Regular hourly rate plus a 10% differential. Third shift - Regular hourly rate plus a 15% differential.

(Local #8)

# SANDBLASTER - STEAMBLASTER (Exterior Building Renovation)

## Sandblaster / Steamblaster

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.41

Supplemental Benefit Rate per Hour: \$23.29

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

## **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day

## **Paid Holidays**

None

#### Shift Rates

All work outside the regular work day (an eight hour workday between the hours of 6:00 A.M. and 4:30 P.M.) is to be paid at time and one half the regular rate.

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(Bricklayer District Council)

#### SHEET METAL WORKER

#### **Sheet Metal Worker**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.96

Supplemental Benefit Rate per Hour: \$43.19

Supplemental Note: Supplemental benefit contributions are to be made at the applicable overtime rates.

## **Sheet Metal Worker - Duct Cleaner**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$12.90

Supplemental Benefit Rate per Hour: \$8.07

## **Sheet Metal Worker - Fan Maintenance**

(The temporary operation of fans or blowers in new or existing buildings for heating and/or ventilation, and/or air conditioning prior to the completion of the project.)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$36.77

Supplemental Benefit Rate per Hour: \$43.19

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). New Year's Day
Martin Luther King Jr. Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

## **Paid Holidays**

None

#### **Shift Rates**

Work that can only be performed outside regular working hours (seven hours of work between 7:30 A.M. and 3:30 P.M.) - First shift (work between 3:30 P.M. and 11:30 P.M.) - 10% differential above the established hourly rate. Second shift (work between 11:30 P.M. and 7:30 A.M.) - 15% differential above the established hourly rate.

For Fan Maintenance: On all full shifts of fan maintenance work the straight time hourly rate of pay will be paid for each shift, including nights, Saturdays, Sundays, and holidays. No journeyperson engaged in fan maintenance shall work in excess of forty (40) hours in any work week.

(Local #28)

# SHEET METAL WORKER - SPECIALTY (Decking & Siding)

## **Sheet Metal Specialty Worker**

The first worker to perform this work must be paid at the rate of the Sheet Metal Worker. The second and third workers shall be paid the Specialty Worker Rate. The ratio of One Sheet Metal Worker, then Two Specialty Workers shall be utilized thereafter.

Effective Period: 7/1/2013 - 7/31/2013

Wage Rate per Hour: \$41.28

Supplemental Benefit Rate per Hour: \$22.88

Supplemental Note: Supplemental benefit contributions are to be made at the applicable overtime rates.

Effective Period: 8/1/2013 - 6/30/2014

Wage Rate per Hour: \$40.78

Supplemental Benefit Rate per Hour: \$23.38

Supplemental Note: Supplemental benefit contributions are to be made at the applicable overtime rates.

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).
New Year's Day
Martin Luther King Jr. Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

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# Paid Holidays

(Local #28)

## **SIGN ERECTOR**

(Sheet Metal, Plastic, Electric, and Neon)

## Sign Erector

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.80

Supplemental Benefit Rate per Hour: \$42.17

#### **Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

Time and one half the regular rate for work on the following holiday(s).

#### **Paid Holidays**

New Year's Day
Washington's Birthday
Memorial Day
Independence Day
Labor Day
Columbus Day
Election Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

#### Shift Rates

Time and one half the regular hourly rate is to be paid for all hours worked outside the regular workday either (7:00 A.M. through 2:30 P.M.) or (8:00 A.M. through 3:30 P.M.)

(Local #137)

#### **STEAMFITTER**

#### Steamfitter I

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$52.50

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Supplemental Benefit Rate per Hour: \$50.54

Supplemental Note: Overtime supplemental benefit rate: \$100.34

#### **Overtime**

Double time the regular rate after a 7 hour day. Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

## **Paid Holidays**

None

#### **Shift Rates**

Work performed between 3:30 P.M. and 7:00 A.M. and on Saturdays, Sundays and Holidays shall be at double time the regular hourly rate and paid at the overtime supplemental benefit rate above.

## Steamfitter II

For heating, ventilation, air conditioning and mechanical public works contracts with a dollar value not to exceed \$15,000,000 and for fire protection/sprinkler public works contracts not to exceed \$1,500,000.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$52.50

Supplemental Benefit Rate per Hour: \$50.54

Supplemental Note: Overtime supplemental benefit rate: \$100.34

#### **Overtime**

Double time the regular rate after an 8 hour day. Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

## **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day Veteran's Day Thanksgiving Day Day after Thanksgiving Christmas Day

## **Paid Holidays**

None

#### **Shift Rates**

May be performed outside of the regular workday except Saturday, Sunday and Holidays. A shift shall consist of eight working hours. All work performed in excess of eight hours shall be paid at double time. No shift shall commence after 7:00 P.M. on Friday or 7:00 P.M. the day before holidays. All work performed after 12:01 A.M. Saturday or 12:01 A.M. the day before a Holiday will be paid at double time. When shift work is performed the wage rate for regular time worked is a thirty percent premium together with fringe benefits.

On Transit Authority projects, where work is performed in the vicinity of tracks all shift work on weekends and holidays may be performed at the regular shift rates.

Local #638

# STEAMFITTER - REFRIGERATION AND AIR CONDITIONER (Maintenance and Installation Service Person)

## Refrigeration and Air Conditioner Mechanic

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$36.30

Supplemental Benefit Rate per Hour: \$11.76

## Refrigeration and Air Conditioner Service Person V

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$29.82

Supplemental Benefit Rate per Hour: \$10.71

## Refrigeration and Air Conditioner Service Person IV

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$24.71

Supplemental Benefit Rate per Hour: \$9.80

## Refrigeration and Air Conditioner Service Person III

Filter changing and maintenance thereof, oil and greasing, tower and coil cleaning, scraping and painting, general housekeeping, taking of water samples.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$21.21

Supplemental Benefit Rate per Hour: \$9.12

## Refrigeration and Air Conditioner Service Person II

Filter changing and maintenance thereof, oil and greasing, tower and coil cleaning, scraping and painting, general housekeeping, taking of water samples.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$17.60

Supplemental Benefit Rate per Hour: \$8.50

## Refrigeration and Air Conditioner Service Person I

Filter changing and maintenance thereof, oil and greasing, tower and coil cleaning, scraping and painting, general housekeeping, taking of water samples.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$10.95

Supplemental Benefit Rate per Hour: \$7.90

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

## **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). New Year's Day Independence Day Labor Day Veteran's Day Thanksgiving Day Christmas Day

Double time and one half the regular rate for work on the following holiday(s). Martin Luther King Jr. Day President's Day Memorial Day Columbus Day

## **Paid Holidays**

New Year's Day
Martin Luther King Jr. Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

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(Local #638B)

#### **STONE MASON - SETTER**

## **Stone Mason - Setters**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$47.72

Supplemental Benefit Rate per Hour: \$35.28

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).
New Year's Day
Washington's Birthday
Good Friday
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

#### Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M.

#### **Shift Rates**

For all work outside the regular workday (8:00 A.M. to 3:30 P.M. Monday through Friday), the pay shall be straight time plus a ten percent (10%) differential.

(Bricklayers District Council)

#### **TAPER**

## **Drywall Taper**

Effective Period: 7/1/2013 - 12/31/2013

Wage Rate per Hour: \$44.32

Supplemental Benefit Rate per Hour: \$21.66

Effective Period: 1/1/2014 - 6/24/2014

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Wage Rate per Hour: \$44.82

Supplemental Benefit Rate per Hour: \$21.66

Effective Period: 6/25/2014 - 6/30/2014

Wage Rate per Hour: \$45.32

Supplemental Benefit Rate per Hour: \$21.66

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

#### **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s). New Year's Day
Martin Luther King Jr. Day
President's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Thanksgiving Day
Christmas Day

#### Paid Holidays

Any worker who reports to work on Christmas Eve or New Year's Eve pursuant to his employer's instruction shall be entitled to three (3) hours afternoon pay without working.

#### Shift Rates

Time and one half the regular rate outside the regular work hours (8:00 A.M. through 3:30 P.M.)

(Local #1974)

# TELECOMMUNICATION WORKER (Voice Installation Only)

## Telecommunication Worker

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$35.94

Supplemental Benefit Rate per Hour: \$13.19

Supplemental Note: The above rate applies for Manhattan, Bronx, Brooklyn, Queens. \$12.64 for Staten Island

only.

#### **Overtime**

Time and one half the regular rate after a 7 hour day.

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Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

## **Overtime Holidays**

Time and one half the regular rate for work on the following holiday(s).

New Year's Day
Lincoln's Birthday
Washington's Birthday
Memorial Day
Independence Day
Labor Day
Columbus Day
Election Day
Veteran's Day
Thanksgiving Day
Christmas Day

## **Paid Holidays**

New Year's Day
Lincoln's Birthday
Washington's Birthday
Memorial Day
Independence Day
Labor Day
Columbus Day
Election Day
Veteran's Day
Thanksgiving Day
Christmas Day

Employees have the option of observing either Martin Luther King's Birthday or the day after Thanksgiving instead of Lincoln's Birthday

#### **Shift Rates**

For any workday that starts before 8A.M. or ends after 6P.M. there is a 10% differential for the applicable worker's hourly rate.

#### Vacation

After 6 months......one week.

After 12 months but less than 7 years.....two weeks.

After 7 or more but less than 15 years.....three weeks.

After 15 years or more but less than 25 years......four weeks.

(C.W.A.)

#### **TILE FINISHER**

## Tile Finisher

Effective Period: 7/1/2013 - 6/30/2014 Wage Rate per Hour: \$38.49

Supplemental Benefit Rate per Hour: \$27.40

PUBLISH DATE: 7/1/2013 EFFECTIVE PERIOD: JULY 1, 2013 THROUGH JUNE 30, 2014 Page 77 of 81

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

## **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

#### **Paid Holidays**

None

#### **Shift Rates**

Off shift work day (work performed outside the regular 8:00 A.M. to 3:30 P.M. workday): shift differential of one and one quarter (1½) times the regular straight time rate of pay for the seven hours of actual off-shift work.

(Local #7)

#### **TILE LAYER - SETTER**

## Tile Layer - Setter

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$48.35

Supplemental Benefit Rate per Hour: \$31.44

#### **Overtime**

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

## **Overtime Holidays**

Double time the regular rate for work on the following holiday(s). New Year's Day President's Day Good Friday Memorial Day Independence Day

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Labor Day Columbus Day Veteran's Day Thanksgiving Day Day after Thanksgiving Christmas Day

#### **Shift Rates**

Off shift work day (work performed outside the regular 8:00 A.M. to 3:30 P.M. workday): shift differential of one and one quarter (1½) times the regular straight time rate of pay for the seven hours of actual off-shift work.

(Local #7)

#### **TIMBERPERSON**

## **Timberperson**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$42.63

Supplemental Benefit Rate per Hour: \$44.54

#### **Overtime**

Time and one half the regular rate after an 8 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement

weatner.

Time and one half the regular hourly rate after 40 hours in any work week.

#### **Overtime Holidays**

Double time the regular rate for work on the following holiday(s).

New Year's Day

**President's Day** 

**Memorial Day** 

Independence Day

**Labor Day** 

Columbus Day

**Presidential Election Day** 

Thanksgiving Day

**Christmas Day** 

#### Paid Holidays

None

#### **Shift Rates**

Off shift work, commencing between 5:00 P.M. and 11:00 P.M., shall work eight and one half hours allowing for one half hour for lunch but will be paid 113% of the straight time hourly wage and the straight time supplemental benefits.

(Local #1536)

#### **TUNNEL WORKER**

## Blasters, Mucking Machine Operators (Compressed Air Rates)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$54.20

Supplemental Benefit Rate per Hour: \$48.20

## **Tunnel Workers (Compressed Air Rates)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$52.31

Supplemental Benefit Rate per Hour: \$46.59

## **Top Nipper (Compressed Air Rates)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$51.35

Supplemental Benefit Rate per Hour: \$45.78

# <u>Outside Lock Tender, Outside Gauge Tender, Muck Lock Tender (Compressed Air Rates)</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$50.42

Supplemental Benefit Rate per Hour: \$44.91

## Bottom Bell & Top Bell Signal Person: Shaft Person (Compressed Air Rates)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$50.42

Supplemental Benefit Rate per Hour: \$44.92

## **Changehouse Attendant: Powder Watchperson (Compressed Air Rates)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$43.94

Supplemental Benefit Rate per Hour: \$42.55

## Blasters (Free Air Rates)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$51.72

Supplemental Benefit Rate per Hour: \$46.03

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## **Tunnel Workers (Free Air Rates)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$49.48

Supplemental Benefit Rate per Hour: \$44.06

## **All Others (Free Air Rates)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.73

Supplemental Benefit Rate per Hour: \$40.75

## Microtunneling (Free Air Rates)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$39.58

Supplemental Benefit Rate per Hour: \$35.25

#### **Overtime Description**

For Repair-Maintenance Work on Existing Equipment and Facilities - Time and one half the regular rate after a 7 hour day, or for Saturday, or for Sunday. Double time the regular rate for work on a holiday. For Small-Bore Micro Tunneling Machines - Time and one-half the regular rate shall be paid for all overtime.

#### **Overtime**

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

Double time the regular rate for work on the following holiday(s).

## Paid Holidays

New Year's Day
Lincoln's Birthday
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Election Day
Veteran's Day
Thanksgiving Day
Christmas Day

(Local #147)

#### **WELDER**

TO BE PAID AT THE RATE OF THE JOURNEYPERSON IN THE TRADE PERFORMING THE WORK.

(NO TEXT ON THIS PAGE)

## OFFICE OF THE COMPTROLLER

## CITY OF NEW YORK

## 220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

## **APPENDIX**

Pursuant to Labor Law §220 (3-e), only apprentices who are individually registered in a bona fide program to which the employer contractor is a participant and registered with the New York State Department of Labor, may be employed on a public work project.

Any employee listed on a payroll at an apprentice wage rate, who is not registered as above, shall be paid the journey person wage rate for the classification of work he actually performed.

Apprentice ratios are established to ensure the proper safety, training and supervision of apprentices. A ratio establishes the number of journey workers required for each apprentice in a program and on a job site. Ratios are interpreted as follows: in the case of a 1:1, 1:4 ratio, there must be one journey worker for the first apprentice, and four additional journey workers for each subsequent apprentice.

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## **ASBESTOS HANDLER**

(Ratio of Apprentice Journeyperson: 1 to 1, 1 to 3)

## <u>Asbestos Handler (First 1000 Hours)</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 78% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.05

## Asbestos Handler (Second 1000 Hours)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.05

## **Asbestos Handler (Third 1000 Hours)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 83% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.05

## **Asbestos Handler (Fourth 1000 Hours)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 89% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.05

(Local #78)

#### **BOILERMAKER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

## Boilermaker (First Year)

Effective Period: 7/1/2013 - 12/31/2013

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$28.75

Effective Period: 1/1/2014 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$29.74

## **Boilermaker (Second Year: 1st Six Months)**

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Effective Period: 7/1/2013 - 12/31/2013

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$30.33

Effective Period: 1/1/2014 - 6/30/2014

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$31.91

## Boilermaker (Second Year: 2nd Six Months)

Effective Period: 7/1/2013 - 12/31/2013

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$31.91

Effective Period: 1/1/2014 - 6/30/2014

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$33.05

## **Boilermaker (Third Year: 1st Six Months)**

Effective Period: 7/1/2013 - 12/31/2013

Wage Rate Per Hour: 80% of Journeyperson's rat Supplemental Benefit Rate Per Hour: \$33.49

Effective Period: 1/1/2014 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rat Supplemental Benefit Rate Per Hour: \$34.69

## **Boilermaker (Third Year: 2nd Six Months)**

Effective Period: 7/1/2013 - 12/31/2013

Wage Rate Per Hour: 85% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$35.05

Effective Period: 1/1/2014 - 6/30/2014

Wage Rate Per Hour: 85% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$36.34

## **Boilermaker (Fourth Year: 1st Six Months)**

Effective Period: 7/1/2013 - 12/31/2013

Wage Rate Per Hour: 90% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$36.63

Effective Period: 1/1/2014 - 6/30/2014

Wage Rate Per Hour: 90% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$38.00

## **Boilermaker (Fourth Year: 2nd Six Months)**

Effective Period: 7/1/2013 - 12/31/2013

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Wage Rate Per Hour: 95% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$38.20

Effective Period: 1/1/2014 - 6/30/2014

Wage Rate Per Hour: 95% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$39.65

(Local #5)

#### **BRICKLAYER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

## **Bricklayer (First 750 Hours)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$16.60

## **Bricklayer (Second 750 Hours)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$16.60

## **Bricklayer (Third 750 Hours)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 70% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$16.60

## **Bricklayer (Fourth 750 Hours)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$16.60

## **Bricklayer (Fifth 750 Hours)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 90% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$16.60

## **Bricklayer (Sixth 750 Hours)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 95% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$16.60

(Bricklayer District Council)

#### **CARPENTER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

## Carpenter (First Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$27.69

Effective 7/18/13 - Supplemental Benefit Rate Per Hour: \$30.29

## Carpenter (Second Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$27.69

Effective 7/18/13 - Supplemental Benefit Rate Per Hour: \$30.29

## Carpenter (Third Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$27.69

Effective 7/18/13 - Supplemental Benefit Rate Per Hour: \$30.29

## Carpenter (Fourth Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$27.69

Effective 7/18/13 - Supplemental Benefit Rate Per Hour: \$30.29

(Carpenters District Council)

#### **CEMENT MASON**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

## Cement Mason (First Year)

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Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's Rate

## Cement Mason (Second Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's Rate

## Cement Mason (Third Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 70% of Journeyperson's Rate

(Local #780)

#### CEMENT AND CONCRETE WORKER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

## Cement & Concrete Worker (0 - 500 hours)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$18.04

## Cement & Concrete Worker (501 - 1000 hours)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$18.87

## Cement & Concrete Worker (1001 - 2000 hours)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$24.25

## Cement & Concrete Worker (2001 - 4000 hours)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$25.07

(Cement Concrete Workers District Council)

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## **DERRICKPERSON & RIGGER (STONE)**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

## Derrickperson & Rigger (stone) - First Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 50% of Journeyperson's rate

## Derrickperson & Rigger (stone) - Second Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

## Derrickperson & Rigger (stone) - Second Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

## Derrickperson & Rigger (stone) - Third Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

(Local #197)

## DOCKBUILDER/PILE DRIVER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

## **Dockbuilder/Pile Driver (First Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 40% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$30.29

## **Dockbuilder/Pile Driver (Second Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

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Supplemental Benefit Rate Per Hour: \$30.29

## Dockbuilder/Pile Driver (Third Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$30.29

## **Dockbuilder/Pile Driver (Fourth Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$30.29

(Carpenters District Council)

#### **ELECTRICIAN**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

## Electrician (First Year - Hired before 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$15.25

Supplemental Benefit Rate per Hour: \$12.26

Overtime Wage Rate Per Hour: \$22.88

Overtime Supplemental Rate Per Hour: \$13.26

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$15.25

Supplemental Benefit Rate per Hour: \$12.51

Overtime Wage Rate Per Hour: \$22.88

Overtime Supplemental Rate Per Hour: \$13.51

## Electrician (First Year - Hired on or After 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$12.50

Supplemental Benefit Rate per Hour: \$10.86

Overtime Wage Rate Per Hour: \$18.75

Overtime Supplemental Rate Per Hour: \$11.68

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$12.50

Supplemental Benefit Rate per Hour: \$11.11

Overtime Wage Rate Per Hour: \$18.75

Overtime Supplemental Rate Per Hour: \$11.93

## Electrician (Second Year - Hired before 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$18.05

Supplemental Benefit Rate per Hour: \$13.68

Overtime Wage Rate Per Hour: \$27.08

Overtime Supplemental Rate Per Hour: \$14.87

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$18.05

Supplemental Benefit Rate per Hour: \$13.93

Overtime Wage Rate Per Hour: \$27.08

Overtime Supplemental Rate Per Hour: \$15.12

## Electrician (Second Year - Hired on or After 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$14.50

Supplemental Benefit Rate per Hour: \$11.88

Overtime Wage Rate Per Hour: \$21.75

**Overtime Supplemental Rate Per Hour: \$12.83** 

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$14.50

Supplemental Benefit Rate per Hour: \$12.13

Overtime Wage Rate Per Hour: \$21.75

Overtime Supplemental Rate Per Hour: \$13.08

## Electrician (Third Year - Hired before 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$20.15

Supplemental Benefit Rate per Hour: \$14.75

Overtime Wage Rate Per Hour: \$30.23

Overtime Supplemental Rate Per Hour: \$16.08

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$20.15

Supplemental Benefit Rate per Hour: \$15.00

Overtime Wage Rate Per Hour: \$30.23

**Overtime Supplemental Rate Per Hour: \$16.33** 

## Electrician (Third Year - Hired on or After 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$16.50

Supplemental Benefit Rate per Hour: \$12.89

Overtime Wage Rate Per Hour: \$24.75

**Overtime Supplemental Rate Per Hour: \$13.98** 

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Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$16.50

Supplemental Benefit Rate per Hour: \$13.14

Overtime Wage Rate Per Hour: \$24.75

Overtime Supplemental Rate Per Hour: \$14.23

## Electrician (Fourth Year - Hired before 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$22.10

Supplemental Benefit Rate per Hour: \$15.74 Overtime Wage Rate Per Hour: \$33.15

Overtime Supplemental Rate Per Hour: \$17.20

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$22.10

Supplemental Benefit Rate per Hour: \$15.99

Overtime Wage Rate Per Hour: \$33.15

Overtime Supplemental Rate Per Hour: \$17.45

## Electrician (Fourth Year - Hired on or After 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$18.50

Supplemental Benefit Rate per Hour: \$13.91

Overtime Wage Rate Per Hour: \$27.75

Overtime Supplemental Rate Per Hour: \$15.13

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$18.50

Supplemental Benefit Rate per Hour: \$14.16

Overtime Wage Rate Per Hour: \$27.75

**Overtime Supplemental Rate Per Hour: \$15.38** 

## Electrician (Fifth Year - Hired before 5/10/07)

Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$25.80

Supplemental Benefit Rate per Hour: \$19.21

Overtime Wage Rate Per Hour: \$38.70

Overtime Supplemental Rate Per Hour: \$20.83

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$26.30

Supplemental Benefit Rate per Hour: \$19.96

Overtime Wage Rate Per Hour: \$39.45

**Overtime Supplemental Rate Per Hour: \$21.61** 

## <u> Electrician (Fifth Year - Hired on or After 5/10/07)</u>

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Effective Period: 7/1/2013 - 5/13/2014

Wage Rate per Hour: \$22.00

Supplemental Benefit Rate per Hour: \$17.30

Overtime Wage Rate Per Hour: \$33.00

Overtime Supplemental Rate Per Hour: \$18.68

Effective Period: 5/14/2014 - 6/30/2014

Wage Rate per Hour: \$22.50

Supplemental Benefit Rate per Hour: \$18.05

Overtime Wage Rate Per Hour: \$33.75

Overtime Supplemental Rate Per Hour: \$19.46

## **Overtime Description**

For "A" rated Apprentices (work in excess of 7 hours per day) For "M" rated Apprentices (work in excess of 8 hours per day)

(Local #3)

#### **ELEVATOR CONSTRUCTOR**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)

## Elevator (Constructor) - First Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$26.87

## Elevator (Constructor) - Second Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$27.92

## Elevator (Constructor) - Third Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$29.38

## Elevator (Constructor) - Fourth Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.84

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(Local #1)

#### **ELEVATOR REPAIR & MAINTENANCE**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)

#### **Elevator Service/Modernization Mechanic (First Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Per Hour: \$26.79

## **Elevator Service/Modernization Mechanic (Second Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Benefit Per Hour: \$27.12

#### Elevator Service/Modernization Mechanic (Third Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.43

# **Elevator Service/Modernization Mechanic (Fourth Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Per Hour: \$29.74

(Local #1)

#### **ENGINEER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 5)

# **Engineer - First Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$22.49

Supplemental Benefit Rate per Hour: \$20.68

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#### **Engineer - Second Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$28.11

Supplemental Benefit Rate per Hour: \$20.68

#### **Engineer - Third Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$20.92

Supplemental Benefit Rate per Hour: \$20.68

#### **Engineer - Fourth Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$33.73

Supplemental Benefit Rate per Hour: \$20.68

(Local #15)

#### **ENGINEER - OPERATING**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 5)

# **Operating Engineer - First Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour 40% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$18.60

# **Operating Engineer - Second Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$18.60

# Operating Engineer - Third Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$18.60

(Local #14)

#### FLOOR COVERER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

#### Floor Coverer (First Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.75

# Floor Coverer (Second Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.75

#### Floor Coverer (Third Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.75

#### Floor Coverer (Fourth Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.75

(Carpenters District Council)

#### **GLAZIER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# Glazier (First Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$11.97

# **Glazier (Second Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$21.13

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## Glazier (Third Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$23.54

#### **Glazier (Fourth Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$28.34

(Local #1281)

# HEAT & FROST INSULATOR

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

# **Heat & Frost Insulator (First Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

# Heat & Frost Insulator (Second Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

# **Heat & Frost Insulator (Third Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 70% of Journeyperson's rate

# **Heat & Frost Insulator (Fourth Year)**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

(Local #12)

# HOUSE WRECKER (TOTAL DEMOLITION)

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

#### House Wrecker - First Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$20.36

Supplemental Benefit Rate per Hour: \$16.35

#### House Wrecker - Second Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$21.46

Supplemental Benefit Rate per Hour: \$16.35

#### **House Wrecker - Third Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$23.01

Supplemental Benefit Rate per Hour: \$16.35

#### House Wrecker - Fourth Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$25.36

Supplemental Benefit Rate per Hour: \$16.35

(Local #79)

#### **IRON WORKER - ORNAMENTAL**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

# <u>Iron Worker (Ornamental) - 1st Four Months - Hired on or Before 8/1/08</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$35.78

# Iron Worker (Ornamental) 5 - 10 Months - Hired on or Before 8/1/08

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$36.75

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# Iron Worker (Ornamental) 11 - 16 Months - Hired on or Before 8/1/08

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$37.72

#### Iron Worker (Ornamental) 17 - 22 Months - Hired on or Before 8/1/08

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$39.66

#### Iron Worker (Ornamental) 23 - 28 Months - Hired on or Before 8/1/08

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 85% of Journeyperson's rate

Supplemental Rate Per Hour: \$40.63

#### Iron Worker (Ornamental) 29 - 36 Months - Hired on or Before 8/1/08

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 95% of Journeyperson's rate

Supplemental Rate Per Hour: \$42.57

## Iron Worker (Ornamental) - 1st Ten Months - Hired After 8/1/08

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$33.84

# <u>Iron Worker (Ornamental) - 11 - 16 Months - Hired After 8/1/08</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$34,81

# Iron Worker (Ornamental) - 17 - 22 Months - Hired After 8/1/08

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$35.78

# <u>Iron Worker (Ornamental) - 23 - 28 Months - Hired After 8/1/08</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$37.72

# <u>Iron Worker (Ornamental) - 29 - 36 Months - Hired After 8/1/08</u>

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Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$39.66

(Local #580)

#### **IRON WORKER - STRUCTURAL**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

#### Iron Worker (Structural) - 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$24.48

Supplemental Benefit Rate per Hour: \$43.87

#### Iron Worker (Structural) - 7- 18 Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$25.08

Supplemental Benefit Rate per Hour: \$43.87

#### Iron Worker (Structural) - 19 - 36 months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$25.68

Supplemental Benefit Rate per Hour: \$43.87

(Local #40 and #361)

# LABORER (FOUNDATION, CONCRETE, EXCAVATING, STREET PIPE LAYER & COMMON)

(Ratio Apprentice to Journeyperson: 1 to 1, 1 to 3)

# <u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - First</u> <u>1000 hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$33.25

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# <u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Second 1000 hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$33.25

# <u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Third 1000 hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$33.25

# <u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Fourth 1000 hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Rate Per Hour: \$33.25

(Local #731)

#### MARBLE MECHANICS

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

# **Cutters & Setters - First 750 Hours**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

NO BENEFITS PAID DURING THE FIRST TWO MONTHS (PROBATIONARY PERIOD)

# **Cutters & Setters - Second 750 Hours**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 55% of Journeyperson's rate

# **Cutters & Setters - Third 750 Hours**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 65% of Journeyperson's rate

# Cutters & Setters - Fourth 750 Hours

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Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

#### <u>Cutters & Setters - Fifth 750 Hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 85% of Journeyperson's rate

#### **Cutters & Setters - Sixth 750 Hours**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 95% of Journeyperson's rate

## Polishers & Finishers - First 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

NO BENEFITS PAID DURING THE FIRST TWO MONTHS (PROBATIONARY PERIOD)

#### Polishers & Finishers - Second 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

#### Polishers & Finishers - Third 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

# Polishers & Finishers - Fourth 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 90% of Journeyperson's rate

(Local #7)

#### **MASON TENDER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# **Mason Tender - First Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$20.63

Supplemental Benefit Rate per Hour: \$17.06

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## Mason Tender - Second Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$21.73

Supplemental Benefit Rate per Hour: \$17.06

#### Mason Tender - Third Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$23.33

Supplemental Benefit Rate per Hour: \$17.06

#### Mason Tender - Fourth Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$25.93

Supplemental Benefit Rate per Hour: \$17.06

(Local #79)

#### **METALLIC LATHER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# Metallic Lather (First Year -Called Prior to 6/29/11)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$28.11

Supplemental Benefit Rate per Hour: \$22.79

# Metallic Lather (Second Year - Called Prior to 6/29/11)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$32.71

Supplemental Benefit Rate per Hour: \$24.44

# Metallic Lather (Third Year - Called Prior to 6/29/11)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$37.77

Supplemental Benefit Rate per Hour: \$25.59

# Metallic Lather (First Year -Called On Or After 6/29/11)

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Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$17.71

Supplemental Benefit Rate per Hour: \$19.85

## Metallic Lather (Second Year - Called On Or After 6/29/11)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$22.81

Supplemental Benefit Rate per Hour: \$19.85

#### Metallic Lather (Third Year - Called On Or After 6/29/11)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$27.91

Supplemental Benefit Rate per Hour: \$19.85

(Local #46)

#### **MILLWRIGHT**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

# Millwright (First Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$26.23

Supplemental Benefit Rate per Hour: \$31.51

# Millwright (Second Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$31.00

Supplemental Benefit Rate per Hour: \$34.77

# Millwright (Third Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$35.77

Supplemental Benefit Rate per Hour: \$39.19

# Millwright (Fourth Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$45.30

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Supplemental Benefit Rate per Hour: \$44.63

(Local #740)

#### PAVER AND ROADBUILDER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# Paver and Roadbuilder - First Year (Minimum 1000 hours)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$26.19

Supplemental Benefit Rate per Hour: \$16.20

# Paver and Roadbuilder - Second Year (Minimum 1000 hours)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$27.77

Supplemental Benefit Rate per Hour: \$16.20

(Local #1010)

#### **PAINTER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# Painter - Brush & Roller - First Year

Effective Period: 7/1/2013 - 4/30/2014

Wage Rate per Hour: \$15.00

Supplemental Benefit Rate per Hour: \$11.38

Effective Period: 5/1/2014 - 6/30/2014

Wage Rate per Hour: \$15.80

Supplemental Benefit Rate per Hour: \$11.88

#### Painter - Brush & Roller - Second Year

Effective Period: 7/1/2013 - 4/30/2014

Wage Rate per Hour: \$18.75

Supplemental Benefit Rate per Hour: \$15.23

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Effective Period: 5/1/2014 - 6/30/2014

Wage Rate per Hour: \$19.75

Supplemental Benefit Rate per Hour: \$15.73

#### Painter - Brush & Roller - Third Year

Effective Period: 7/1/2013 - 4/30/2014

Wage Rate per Hour: \$22.50

Supplemental Benefit Rate per Hour: \$18.14

Effective Period: 5/1/2014 - 6/30/2014

Wage Rate per Hour: \$23.70

Supplemental Benefit Rate per Hour: \$18.64

#### Painter - Brush & Roller - Fourth Year

Effective Period: 7/1/2013 - 4/30/2014

Wage Rate per Hour: \$30.00

Supplemental Benefit Rate per Hour: \$23.52

Effective Period: 5/1/2014 - 6/30/2014

Wage Rate per Hour: \$31.60

Supplemental Benefit Rate per Hour: \$24.02

(District Council of Painters)

#### **PAINTER - STRUCTURAL STEEL**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# Painters - Structural Steel (First Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

# Painters - Structural Steel (Second Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

# Painters - Structural Steel (Third Year)

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

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(Local #806)

#### **PLASTERER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# Plasterer - First Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$12.76

#### Plasterer - First Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$13.24

# Plasterer - Second Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$15.21

# Plasterer - Second Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$16.29

# Plasterer - Third Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$18.46

# Plasterer - Third Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$19.54

(Local #530)

#### **PLUMBER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

#### Plumber - First Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$0.71

# Plumber - First Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$2.96

#### Plumber - Second Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$17.96

Supplemental Benefit Rate per Hour: \$16.25

#### Plumber - Third Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$20.06

Supplemental Benefit Rate per Hour: \$16.25

# Plumber - Fourth Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$22.91

Supplemental Benefit Rate per Hour: \$16.25

# Plumber - Fifth Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$24.31

Supplemental Benefit Rate per Hour: \$16.25

# Plumber - Fifth Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$36.38

Supplemental Benefit Rate per Hour: \$16.25

(Plumbers Local #1)

# POINTER - WATERPROOFER, CAULKER MECHANIC (EXTERIOR BUILDING RENOVATION)

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

# Pointer - Waterproofer, Caulker Mechanic - First Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$25.00

Supplemental Benefit Rate per Hour: \$3.64

# Pointer - Waterproofer, Caulker Mechanic - Second Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$27.25

Supplemental Benefit Rate per Hour: \$8.59

# Pointer - Waterproofer, Caulker Mechanic - Third Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$32,23

Supplemental Benefit Rate per Hour: \$11.34

# Pointer - Waterproofer, Caulker Mechanic - Fourth Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$38.66

Supplemental Benefit Rate per Hour: \$11.34

(Bricklayer District Council)

#### ROOFER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)

# Roofer - First Year

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 35% of Journeyperson's Rate

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# Roofer - Second Year

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's Rate

#### Roofer - Third Year

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's Rate

#### Roofer - Fourth Year

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's Rate

(Local #8)

#### SHEET METAL WORKER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# **Sheet Metal Worker - First Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 30% of Journeyperson's rate

Supplemental Rate Per Hour: \$15.37

#### <u>Sheet Metal Worker - Second Year</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 35% of Journeyperson's rate

Supplemental Rate Per Hour: \$18.24

# Sheet Metal Worker - Third Year (1st Six Months)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$20.06

# **Sheet Metal Worker - Third Year (2nd Six Months)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$21.87

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# **Sheet Metal Worker - Fourth Year (1st Six Months)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$23.69

# **Sheet Metal Worker - Fourth Year (2nd Six Months)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.33

# **Sheet Metal Worker - Fifth Year (1st Six Months)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$27.47

## **Sheet Metal Worker - Fifth Year(2nd Six Months)**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.23

(Local #28)

#### SIGN ERECTOR

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

# Sign Erector - First Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 35% of Journeyperson's rate

Supplemental Rate Per Hour: \$5.96

# Sign Erector - First Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$6.75

# Sign Erector - Second Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$7.55

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# Sign Erector - Second Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$8.34

#### Sign Erector - Third Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$9.13

#### Sign Erector - Third Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$9.92

#### Sign Erector - Fourth Year: 1st Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$10.72

#### Sign Erector - Fourth Year: 2nd Six Months

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$11.51

# Sign Erector - Fifth Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$12.30

# Sign Erector - Sixth Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$12.30

(Local #137)

#### **STEAMFITTER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

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#### Steamfitter - First Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate and Supplemental Per Hour: 40% of Journeyperson's rate

#### **Steamfitter - Second Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate and Supplemental Rate Per Hour: 50% of Journeyperson's rate.

#### Steamfitter - Third Year

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate and Supplemental Rate per Hour: 65% of Journeyperson's rate.

#### <u> Steamfitter - Fourth Year</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate and Supplemental Rate Per Hour: 80% of Journeyperson's rate.

#### **Steamfitter - Fifth Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate and Supplemental Rate Per Hour: 85% of Journeyperson's rate.

(Local #638)

#### **STONE MASON - SETTER**

(Ratio Apprentice of Journeyperson: 1 to 1, 1 to 2)

# Stone Mason - Setters - First 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

# Stone Mason - Setters - Second 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

# Stone Mason - Setters - Third 750 Hours

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Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

#### Stone Mason - Setters - Fourth 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

#### Stone Mason - Setters - Fifth 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

# Stone Mason - Setters - Sixth 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 100% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

(Bricklayers District Council)

#### **TAPER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

# **Drywall Taper - First Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

# **Drywall Taper - Second Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

# **Drywall Taper - Third Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

(Local #1974)

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#### TILE LAYER - SETTER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

#### <u>Tile Layer - Setter - First 750 Hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

#### Tile Layer - Setter - Second 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 55% of Journeyperson's rate

#### <u>Tile Layer - Setter - Third 750 Hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 65% of Journeyperson's rate

#### <u>Tile Layer - Setter - Fourth 750 Hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

# <u>Tile Layer - Setter - Fifth 750 Hours</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 85% of Journeyperson's rate

# Tile Layer - Setter - Sixth 750 Hours

Effective Period: 7/1/2013 - 6/30/2014

Wage and Supplemental Rate Per Hour: 95% of Journeyperson's rate

(Local #7)

#### **TIMBERPERSON**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

# <u> Timberperson - First Year</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 40% of Journeyperson's rate

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Supplemental Rate Per Hour: \$30.04

## <u>Timberperson - Second Year</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.04

#### **Timberperson - Third Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.04

# **Timberperson - Fourth Year**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.04

(Local #1536)

(NO TEXT ON THIS PAGE)

#### NYC ADMINISTRATIVE CODE § 6-109 SCHEDULE OF "LIVING WAGES"

Contractors who provide the following services to the City of New York must post a copy of this Living Wage Schedule at their work site(s) as required by New York City Administrative Code § 6-109:

- Building Services,
- Day Care Services,
- Food Services.
- Head Start Services.
- Homecare Services,
- Services to Persons with Cerebral Palsy, and
- Temporary Services.

In accordance with NYC Administrative Code § 6-109, the Comptroller of the City of New York promulgated this schedule of living wages for the above services on contracts for non-emergency work in excess of the small purchase limit set by the Procurement Policy Board; contracting agencies must annex this schedule to such contracts.

A city service contractor or subcontractor that provides homecare services, day care services, head start services or services to persons with cerebral palsy must pay its covered employees that directly render such services in performance of the city service contract or subcontract no less than the living wage and must provide its employees health benefits (supplemental benefits) or must supplement their hourly wage rate by an amount no less than the health benefits supplement rate. This requirement applies for each hour that the employee works performing the city service contract or subcontract.

A city service contractor or subcontractor that provides building services, food services or temporary services must pay its employees that are engaged in performing the city service contract or subcontract no less than the living wage or the prevailing wage, whichever is greater. Where the living wage is greater than the prevailing wage, the city service contractor or subcontractor must either provide its employees health benefits or must supplement their hourly wage rate by an amount no less than the health benefits supplement rate. Where the prevailing wage is greater than the living wage, the city service contractor or subcontractor must provide its employees the prevailing wage and supplements. These requirements apply for each hour that the employee works performing the city service contract or subcontract.

The appropriate schedule of living wages must be posted at all work sites pursuant to NYC Administrative Code 6-109.

The schedule is applicable for work performed during the effective period, unless otherwise noted. You will be notified of any changes to this schedule by addenda published on our web site www.comptroller.nyc.gov. Schedules for future one-year periods will be published annually in the City Record on or about July 1<sup>st</sup> of each succeeding year and on our web site www.comptroller.nyc.gov.

The living wage rate and the health benefit supplement rate are known through June 30 of each year and those rates are listed in this schedule.

The living wage rates listed in this schedule may not include all hourly wage calculations for overtime, shift differential, Holiday, Saturday, Sunday or other premium time work. Similarly, this schedule does not set forth every living wage practice with which employers must comply.

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Some of the rates in this schedule are based on collective bargaining agreements. These agreements are available for inspection by appointment. Requests for appointments may be made by calling (212) 669-4443, Monday through Friday between the hours of 9 a.m. and 5 p.m.

Answers to questions concerning prevailing wage practices may be obtained from the Classification Unit by calling (212) 669-7974. Please direct all other compliance issues to; Bureau of Labor Law, Attn: Wasyl Kinach, P.E., Office of the Comptroller, 1 Centre Street, Room 1122, New York, N.Y. 10007; Fax (212) 669-4002.

Contractors are solely responsible for maintaining original payroll records, which delineate, among other things, the hours each employee worked within a given classification. Contractors using rates and/or classifications not promulgated by the Comptroller do so at their own risk. Additionally, prior to bid, an agency's chief contracting officer must contact the Bureau of Labor Law to obtain a wage determination for a work classification not published in this schedule.

The information listed below is intended to assist you in meeting your living wage and prevailing wage obligation. Contractors are advised to review the Comptroller's Living Wage Schedule prior to submitting a bid for City work. Any wage rate error made by the contracting agency in the contract documents will <u>not</u> preclude a finding against the contractor for an underpayment of the applicable living wage or the applicable prevailing wage.

This schedule sets forth the living wage and benefit rates required to be annexed to and form part of the contract specifications for work covered by New York City Administrative Code § 6-109. Contractors performing such work are required to pay not less that the rates specified in this schedule for the applicable trade or occupation.

Benefits are paid for **EACH HOUR WORKED** unless otherwise noted.

Wasyl Kinach, P.E.
Director of Classifications
Bureau of Labor Law

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# **BUILDING CLEANER AND MAINTAINER (OFFICE)**

For the above building service classification, see the Labor Law Section 230 Schedule.

BUILDING CLEANER AND MAINTAINER (RESIDENTIAL)

For the above building service classification, see the Labor Law Section 230 Schedule.

CLEANER (PARKING GARAGE)

For the above building service classification, see the Labor Law Section 230 Schedule.

#### **DAY CARE SERVICES**

#### **Day Care Services**

'Day Care Services' means provision of day care services through the city's center-based day care program administered under contract with the city's Administration for Children's Services. No other day care programs shall be covered, including family-based day care programs administered by city-contracted day care centers.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

#### FOOD SERVICE EMPLOYEES

# **Cook**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$15.62

Supplemental Benefit Rate per Hour: \$1.72

# Cafeteria Attendant

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$10.48

Supplemental Benefit Rate per Hour: \$1.72

#### **Counter Attendant**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$9.95

Supplemental Benefit Rate per Hour: \$1.72

#### Kitchen Helper / Dishwasher

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$9.60

Supplemental Benefit Rate per Hour: \$1.72

#### **Overtime**

Time and one half the regular hourly rate after 40 hours in any work week.

(Based on data from NYS Department of Labor Occupational Employment Statistics and US Department of Labor Bureau of Labor Statistics)

#### **GARDENER**

For the above building service classification, see the Labor Law Section 230 Schedule.

#### **HEAD START SERVICES**

#### **Head Start Services**

'Head Start Services' means provision of head start services through the city's center-based head start program administered under contract with the city's Administration for Children's Services. No other head start programs shall be covered.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

#### **HOMECARE SERVICES**

#### **Home Care Services**

'Homecare Services' means the provision of homecare services under the city's Medicaid Personal Care/Home Attendant or Housekeeping Programs, including but not limited to the In-Home Services for the Elderly Programs administered by the Department for the Aging.

For homecare services provided under the Personal Care Services program, the wage and supplemental benefit rate above shall apply only as long as the state and federal government maintain their combined aggregate proportionate share of funding and approved rates for homecare services in effect as of the date of the enactment of this section.

For contractors or subcontractors providing homecare services, the supplemental benefit rate may be waived by the terms of a bona fide collective bargaining agreement with respect to employees who have never worked a minimum of eighty (80) hours per month for two consecutive months for that covered employer, but such provision may not be waived for any employee once a minimum of eighty (80) hours for two consecutive months has been achieved.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

# **SECURITY GUARD (ARMED)**

For the above building service classification, see the Labor Law Section 230 Schedule.

# **SECURITY GUARD (UNARMED)**

For the above building service classification, see the Labor Law Section 230 Schedule.

#### SERVICES TO PERSONS WITH CEREBRAL PALSY

# Services To Person With Cerebral Palsy

'Services to Persons with Cerebral Palsy' means provision of services which enable persons with cerebral palsy and related disabilities to lead independent and productive lives through an agency that provides health care, education, employment, housing and technology resources to such persons under contract with the city or the department of education.

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

#### TEMPORARY OFFICE SERVICES

#### **Administrative Assistant**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$32.83

Supplemental Benefit Rate per Hour: None

#### <u>Cashier</u>

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$11.50

Supplemental Benefit Rate per Hour: None

# Clerk (various)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$14.86

Supplemental Benefit Rate per Hour: None

#### **Computer Assistant**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$21.23

Supplemental Benefit Rate per Hour: None

# Data Entry Operator

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$16.21

Supplemental Benefit Rate per Hour: None

#### Receptionist

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$14.88

Supplemental Benefit Rate per Hour: None

# Secretary (various)

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$18.66

Supplemental Benefit Rate per Hour: None

#### **Word Processor**

Effective Period: 7/1/2013 - 6/30/2014

Wage Rate per Hour: \$20.02

Supplemental Benefit Rate per Hour: None

#### **Overtime**

Time and one half the regular hourly rate after 40 hours in any work week.

(Based on data from NYS Department of Labor Occupational Employment Statistics and US Department of Labor Bureau of Labor Statistics or NYC Administrative Code §6-109)

#### WINDOW CLEANER

For the above building service classification, see the Labor Law Section 230 Schedule.



# THE CITY OF NEW YORK OFFICE OF THE COMPTROLLER 1 CENTRE STREET ROOM 1120 NEW YORK, N.Y. 10007-2341

TELEPHONE: (212) 669-362; FAX NUMBER: (212) 669-849!

ALAN G. HEVESI COMPTROLLER

#### MEMORANDUM

November 6, 2000

To

Agency Chief Contracting Officers

From:

Leonard A. Mancusi

Re:

Security at Construction Sites

Prior to the enactment of Administrative Code §6-109, security guards on construction sites were not subject to prevailing wages. Security guards under the New York State labor law are covered under §230 which provides that prevailing wages are to be paid for security guards in existing buildings. §6-109 of the Administrative Code which was enacted in 1996 closed this loophole by including all security guards working pursuant to a city contract as a prevailing wage trade.

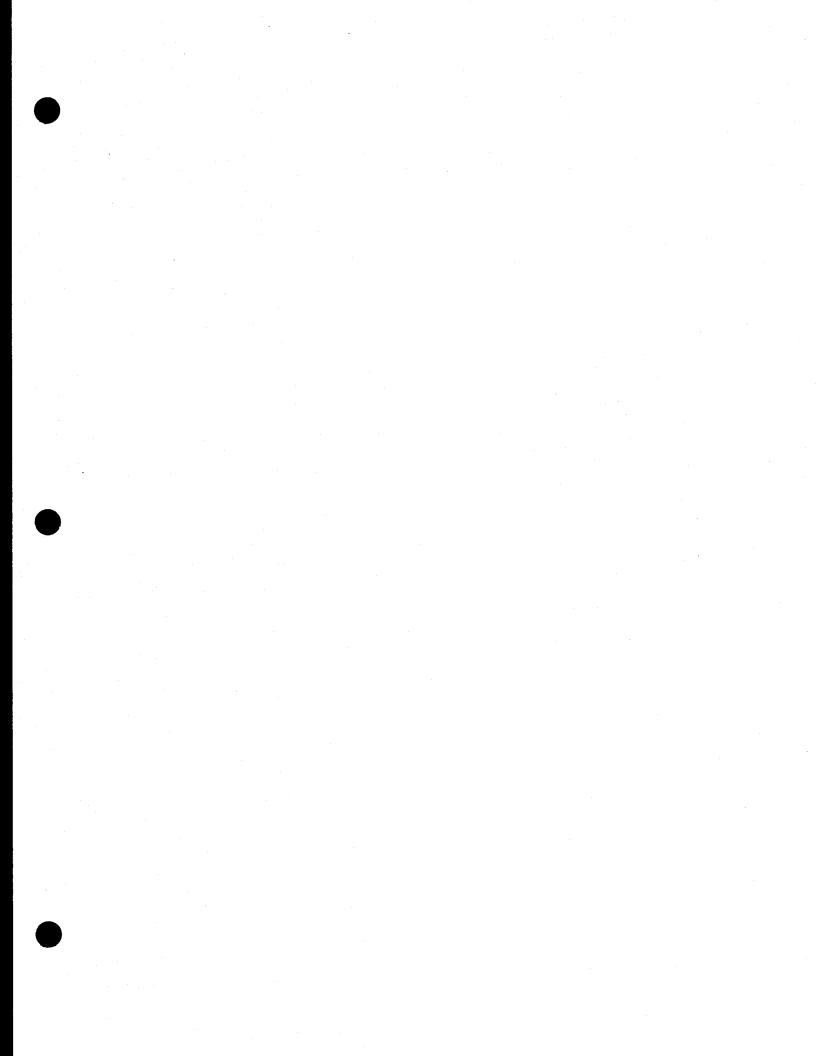
Although some construction contract boilerplate language has been amended to include §6-109, sub-contractors performing security services have advised us that they were not aware of this provision and, since traditionally, security guards were not a covered trade on construction sites, and they were not advised by a prime contractor that they would have to pay prevailing wages, they have not been doing so.

To avoid the possibility of issuing stop payments against prime contractors for the failure of their security service sub-contractors to pay

prevailing wages, we suggest-that you write to all your existing security guard sub-contractors and their primes and in the future, upon approval of a security guard sub-contractor, advise the contractors of their obligation to pay prevailing wages under §6-109 of the Administrative Code.

As always, your cooperation is appreciated.

·LAM:er acco.security at sites





# INFRASTRUCTURE DIVISION BUREAU OF DESIGN

# **VOLUME 2 OF 3**

PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS
INCLUDING RESURFACING OF THE MAIN ROADWAY
AND WIDENING OF MEDIANS
FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

BOROUGH OF THE BRONX CITY OF NEW YORK

Deboe Constructi	in Corp
850136D079D01 83	502012HWVV39C
Dated March 1D,	, 20/4
APPROVED AS TO FORM CERTIFIED AS TO LEGAL AUTHORITY	
	Acting Corporation Counsel
Dated Saly 22	, 20_/-3



# THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

30-30 THOMSON AVENUE LONG ISLAND CITY, NEW YORK 11101-3045 TELEPHONE (718) 391-1000 WEBSITE www.nyc.gov/buildnyc

**VOLUME 3 OF 3** 

SCHEDULE A ADDENDA NOS. 1 TO 6

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

BOROUGH OF THE BRONX CITY OF NEW YORK

FOR THE DEPARTMENT OF TRANSPORTATION PREPARED BY WEIDLINGER ASSOCIATES, Consulting Engineers PC

**JANUARY 2, 2013** 

NISDOIPIN $X/\sqrt{0.18}$		
Fed. Aid Project No.		
	¥	
Bid Opening 11:00 A.M. on		•
ocation 1st Floor Pid Poom 20 20 Thomson Assa Land Little	NT 37	11101





#### SPECIFICATIONS AND STANDARDS OF NEW YORK CITY

The following NYC Department of Transportation reference documents are available on-line at:

http://www.nyc.gov/html/ddc/html/pubs/pubs infrastdts.shtml or for purchase between 9:00 A.M. and 3:00 P.M. at 55 Water St., Ground Floor, NYC, N.Y. 10041. Contact: Ms Vivian Cruz, Tel. (212) 839-9434

- 1. New York City Standard Highway Specifications, November 1, 2010
- 2. New York City Standard Highway Details of Construction, July 1, 2010
- 3. New York City Division of Street Lighting Specifications
- 4. New York City Division of Street Lighting Standard Drawings
- 5. New York City Standard Specifications for Traffic Signals
- 6. New York City Standard Drawings for Traffic Signals

The following reference documents for Sewer Work are available on-line at: <a href="http://www.nyc.gov/html/ddc/html/pubs/pubs\_infrastdts.shtml">http://www.nyc.gov/html/ddc/html/pubs/pubs\_infrastdts.shtml</a> or for pick up between 8:00 A.M. and 4:00 P.M. at 30-30 Thomson Avenue, 3rd Floor, Division of Infrastructure, Long Island City, N.Y. 11101. Contact: Mr. William Patalano, Tel. (718) 391-2054

- 1. New York City DEP Standard Sewer Specifications, August 1, 2009
- 2. New York City DEP Instructions for Concrete Specifications, Jan. 92
- 3. New York City DEP General Specification 11-Concrete, November 1991
- 4. New York City DEP Sewer Design Standards, (September 2007) Revised January 2009

The following reference documents for Water Mains Work are available online at: <a href="http://www.nyc.gov/html/ddc/html/pubs/pubs\_infrastdts.shtml">http://www.nyc.gov/html/ddc/html/pubs/pubs\_infrastdts.shtml</a> or for pick up between 8:00 A.M. and 4:00 P.M. at 30-30 Thomson Avenue, 3rd Floor, Division of Infrastructure, Long Island City, N.Y. 11101. Contact: Mr. Robert Kuhlmann, Tel. (718) 391-2145

- 1. New York City Department of Environmental Protection, Standard Water Main Specifications, dated August 1, 2009
- 2. New York City Department of Environmental Protection Water Main Standard Drawings
- 3. Specifications for Trunk Main Work, dated February 2010

The water main work material specifications are available at the Department of Environmental Protection, 59-17 Junction Boulevard, 3rd Floor Low-Rise Building, Flushing, N.Y. 11373-5108.

Contact: Mr. Tarlock Sahansra, P.E., Tel. (718) 595-5302 E-mail: TSAHANSRA@DEP.NYC.GOV

Standard Specifications and Drawings for Fire Department Communications facilities of New York City are available at 87 Union Street, Engineering Office, Brooklyn, N.Y. 11231-1416.
Contact: Mr. Ed Durkin, Tel. (718) 624-3752

Tree Planting Standards of the City of New York Parks & Recreation are available at the following Department of Parks & Recreation website: http://www.nycgovparks.org/sub\_permits\_and\_applications/images\_and\_pdfs/TreePlantingStandards.pdf

#### SPECIFICATIONS AND STANDARDS OF PRIVATE UTILITIES

The Following reference document for Private Utility Work is available for pick up between 8:30 A.M. and 4:00 P.M. at 30-30 Thomson Avenue, First Floor Bid Procurement Room, L.I.C., N.Y. 11101.

1. CET SPECIFICATIONS AND SKETCHES dated November 2010

(NO TEXT ON THIS PAGE)

# **SCHEDULE A**

REFERENCE	<u>ITEM</u>	REQUIREMENTS	
Section 26 Information	Bid Security	See Attachment 1 (page A-1 of the Bid Booklet).	
for Bidders	Performance Security Payment Security	See Attachment 1 (page A-1 of the Bid Booklet).	
Article 14 Contract	Date for Substantial Completion	See Page SA-2	
Article 15 Contract	Liquidated Damages	For Each Consecutive Calendar Day Over Completion Time: \$1500.00	
Article 17 Contract	Subcontracts	Not to Exceed 50% of Contract Price	
Article 24 Contract	Maintenance Period	Eighteen (18) Months, excluding Trees  Twenty-four (24) Months for Tree Planting	
	<u> </u>	Twenty-loci (24) Months for Tree Flanting	
Article 77 Contract	M/WBE Program	See Subcontract Utilization Plan in the Bid Booklet	
Section 6.40 Standard Highway	Liquidated Damages For Engineer's Field Office	For Each Calendar Day of Deficiency \$250.00	
Specifications			
Section 6.70 Standard Highway Specifications	Liquidated Damages For Maintenance and Protection of Traffic	For each instance of failure to comply with the Maintenance and Protection of Traffic requirements within three (3) hours after written notice from the Engineer: \$250.00	
		For each and every hour of failing to open the entire width of roadway to traffic the morning following a night/weekend work operation:  \$500.00	

Section 7.13 Standard Highway	Liquidated Damages For Maintenance of Site	For Each Calenda Occurrence:	r Day, For Each \$250.00
Specifications If the Contractor fails to notice from the Engineer, Site, the Contractor shall complied with or rescinder		the requirements of <b>Sec</b> to the City of New York ne sum specified above	secutive hours after written tion 7.13 - Maintenance of , until such notice has been per calendar day, for each not as a penalty, for such

## Date for Substantial Completion (Reference: Article 14)

The Contractor shall substantially complete the Work within the Final Contract Duration determined in accordance with the terms and conditions set forth herein.

The Base Contract Duration for this project is 730 consecutive calendar days ("ccds").

The Final Contract Duration shall be the Base Contract Duration when a check mark is indicated before the word "NO", below, and shall be the Base Contract Duration adjusted by the table set forth below when a check mark is indicated before the word "YES", below.

J	YES	NO
V	150	NU

When the Final Contract Duration is indicated above to be adjusted by the table below, the table may increase the Base Contract Duration depending on the date of scheduled substantial completion of the Work during the winter months. The date of scheduled substantial completion shall be determined by adding the Base Contract Duration to the date specified to commence work in the written Notice to Proceed. The Final Contract Duration shall then be determined as follows:

- (a) Find the row that corresponds to the month of substantial completion based on the Base Contract Duration added to the date specified to commence work in the written Notice to Proceed.
- (b) Find the number of days to be added to the Base Contract Duration in the table below. Add that number of days to the Base Contract Duration to obtain the Final Contract Duration in consecutive calendar days.

Month of Substantial Completion based on the Base Contract Duration	Number of Days of adjustment
January	150
February	120
March	90
April	60
May	30
June	0
July	0
August	0
September	0
October	0
November –December 15	0
December 16 – December 31	180

In addition, should Item No. 9.30, "Storm Water Pollution Prevention," exist in the Contract and the required Storm Water Pollution Prevention Plan (SWPPP) does not conform to NYSDEC's recommended Standards, an additional 60 ccd shall be added to the above Final Contract Duration.

(05/19/08)

SA-2

# **SCHEDULE A**

# (RELATING TO ARTICLE 22 – INSURANCE)

# PART I. MINIMUM LIMITS AND SPECIAL CONDITIONS

Types of Insurance (per Article 22 in its entirety, including listed paragraph)	Minimum Limits and Special Conditions
■ Commercial General Liability Art. 22.1.1	\$3,000,000 per occurrence
— Commercial General Liability Art. 22.1.1	\$6,000,000 aggregate (applicable separately to this Project)  Additional Insureds:  1. City of New York, including its officials and employees, and  2. New York State, including its officials and employees; and,  3. FHWA, including its officials and employees; and,  4. The New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operation Authority (MaBSTOA), Staten Island Rapid Transit Operation Authority (SIRTOA), Metropolitan Transportation Authority (MTA), its
	subsidiaries and affiliated companies. The Contractor shall furnish two (2) certificates of insurance to and the policy shall be endorsed to provide thirty (30) days advance notice to the Director, Risk Management, MTA Risk and Insurance Management Standards, Enforcement and Claims Unit, 2 Broadway, 21st Floor, New York, NY 10004, of any material change and/or cancellation.  5. Consolidated Edison

#### **SCHEDULE A**

# (RELATING TO ARTICLE 22 – INSURANCE)

# (PART I CONTINUED)

Types of Insurance (per Article 22 in its entirety, including	listed paragraph)	Minimum Limits and Special Conditions
<ul><li>Workers' Compensation</li><li>Disability Benefits Insurance</li></ul>	Art. 22.1.2 Art. 22.1.2	Workers' Compensation: Statutory per New York State law without regard to jurisdiction
<ul><li>■ Employers' Liability</li><li>□ Jones Act</li><li>□ U.S. Longshoremen's and Harbor W</li><li>Compensation Act</li></ul>	Art. 22.1.3 Art. 22.1.4 Vorkers Art. 22.1.4	Disability Benefits Insurance: Statutory per New York State law without regard to jurisdiction Employers' Liability: \$2,000,000 each accident
		■ Additional Requirements:  (1) Two (2) certificates of such insurance or authority for self-insurance shall be furnished to the Director, Risk Management, MTA Risk and Insurance Management Standards, Enforcement and Claims Unit, 2 Broadway, 21st Floor, New York, NY 10004
☐ Builders' Risk	Art. 22.1.5	% of total value of Work City of New York and the Contractor named as Loss Payee for the Work in order of precedence, as their interests may appear

# **SCHEDULE A**

# (RELATING TO ARTICLE 22 – INSURANCE)

# (PART I CONTINUED)

Types of Insurance (per Article 22 in its entirety, including listed paragraph)	Minimum Limits and Special Conditions
■ Comprehensive Business Auto Coverage Art. 22.1.6	\$2,000,000 per accident
	If vehicles are used for transporting hazardous materials, the Contractor shall provide pollution liability broadened coverage for covered autos (endorsement CA 99 48) as well as proof of MCS 90.
	Additional Insureds:
	(1) City of New York, including its officials and employees, and
	(2). New York State, including its officials and employees; and,
	(3). FHWA, including its officials and employees; and,
	(4) The New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operation Authority (MaBSTOA), Staten Island Rapid Transit Operation Authority (SIRTOA), Metropolitan Transportation Authority (MTA), its subsidiaries and affiliated companies.
☐ Pollution/Environmental Liability Art. 22.1.7	\$per occurrence \$aggregate
	Additional Insureds:  1. City of New York, including its officials and employees, and  2
☐ Marine Protection and Indemnity Art. 22.1.8(a)	\$per occurrence \$aggregate
	Additional Insureds: 1. City of New York, including its officials and employees, and 2

## **SCHEDULE A**

# (RELATING TO ARTICLE 22 – INSURANCE)

# (PART I CONTINUED)

Types of Insurance (per Article 22 in its entirety, including listed paragraph)	Minimum Limits and Special Conditions
☐ Ship Repairers Legal Liability Art. 22.1.8(b)	\$each occurrence [Contracting agency to fill in total value of City vessels involved]
☐ Collision Liability/Towers Liability Art. 22.1.8(c)	\$ per occurrence
	\$aggregate
	Additional Insureds:
	1. City of New York, including its officials and employees, and
	2
	3
☐ Marine Pollution Liability Art. 22.1.8(d)	\$each occurrence
	Additional Insureds: 1. City of New York, including its officials and employees, and
	2.       3.

# **SCHEDULE A**

# (RELATING TO ARTICLE 22 – INSURANCE)

# (PART I CONTINUED)

Types of Insurance (per Article 22 in its entirety, including listed paragraph)	Minimum Limits and Special Conditions
[OTHER] Art. 22.1.9	
Railroad Protection Liability Policy	\$2,000,000 per occurrence
(ISO-RIMA or equivalent form) approved by Permittor covering the work to be performed at the designated site and affording protection for damages arising out of bodily injury or death, physical damage to or destruction of property, including	\$6,000,000 annual aggregate
	Named Insureds:
damage to the Insured's own property and conforming to the following:	1. New York City Transit Authority (NYCTA), the Manhattan and Bronx
<ul> <li>Policy Endorsement CG 28 31 - Pollution         Exclusion Amendment is required to be endorsed onto the policy when environmental-related work and/or exposures exist.     </li> </ul>	Surface Transit Operation Authority (MaBSTOA), the Staten Island Rapid Transit Operation Authority (SIRTOA), MTA Capital Construction Co., the Metropolitan Transportation Authority
• Indicate the Name and address of the Contractor to perform the work, the Contract # and the name of the railroad property where the work is being performed and the Agency Permit.	(MTA) including its subsidiaries and affiliates, the City of New York (as Owner) and all other indemnified parties.
• Evidence of Railroad Protective Liability Insurance, must be provided in the form of the Original Policy. A detailed Insurance Binder (ACORD or Manuscript Form) will be accepted pending issuance of the Original Policy, which must be provided within 30 days of the Binder Approval.	

## **SCHEDULE A**

# (RELATING TO ARTICLE 22 – INSURANCE)

# (PART I CONTINUED)

Minimum Limits and Special Conditions		
Art. 22.1.9		
A. The Contractor's Professional Engineer shall maintain and submit evidence of Professional Liability Insurance in the minimum amount of \$1,000,000 per claim. The policy or policies shall include an endorsement to cover the liability assumed by the Contractor under this Contract arising out of the negligent performance of professional services or caused by an error, omission or negligent act of the Contractor's Professional Engineer or anyone employed by the Contractor's Professional Engineer.		
B. Claims-made policies will be accepted for Professional Liability Insurance. All such policies shall have an extended reporting period option or automatic coverage of not less than two (2) years. If available as an option, the Contractor's Professional Engineer shall purchase extended reporting period coverage effective on cancellation or termination of such insurance unless a new policy is secured with a retroactive date, including at least the last policy year.		
Fire insurance, extended coverage and vandalism, malicious mischief and burglary, and theft insurance coverage in the amount of \$40,000		

#### **SCHEDULE A**

## (RELATING TO ARTICLE 22 – INSURANCE)

#### PART II. BROKER'S CERTIFICATION

[Pursuant to Article 22.3.1(a) of the **Contract**, every Certificate of Insurance must be accompanied by either the following certification by the broker setting forth the following text and required information and signatures or complete copies of all policies referenced in the Certificate of Insurance. In the absence of completed policies, binders are acceptable.]

#### **CERTIFICATION BY BROKER**

The undersigned insurance broker represents to the City of New York that the attached Certificate of Insurance is accurate in all material respects, and that the described insurance is effective as of the date of this Certification.

	[Name of broker (typewritten)]
	[Address of broker (typewritten)]
	[Signature of authorized official or broker]
	[Name and title of authorized official (typewritten)]
oworn to before me this, 200_	
•	
NOTARY PUBLIC	

(05/19/08)

#### **SCHEDULE A**

# (RELATING TO ARTICLE 22 – INSURANCE)

## PART III. ADDRESS OF COMMISSIONER

Wherever reference is made in Article 7 or Article 22 to documents to be sent to the Commissioner (e.g., notices, filings, or submissions), such documents shall be sent to the address set forth below or, in the absence of such address, to the Commissioner's address as provided elsewhere in this Contract.

DDC Director, Insurance Risk Manager	· · · · · · · · · · · · · · · · · · ·
30 – 30 Thomson Avenue, 4th Floor (IDCNY Building)	
Long Island City, NY 11101	

#### ATTACH TO CONTRACT DOCUMENTS

THE CITY OF NEW YORK
DEPARTMENT OF DESIGN AND CONSTRUCTION
INFRASTRUCTURE DIVISION
BUREAU OF DESIGN

PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS
INCLUDING RESURFACING OF THE MAIN ROADWAY
AND WIDENING OF MEDIANS
FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

BOROUGH OF THE BRONX CITY OF NEW YORK

ADDENDUM NO. 1

DATED: May 24, 2013

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS

The New York City Department of Transportation Standard Highway Specifications, dated November 1, 2010, (which include, but are not limited to, "General Conditions", "Basic Materials of Construction", "Combined Materials of Construction", "Construction Methods", "Inspection and Testing of Materials, Adjustments for Deficiencies, and Maintenance", and "Supplemental Construction Methods"), as modified by addenda issued prior to the opening of bids, shall apply to and become a part of the contract.

All references contained herein are to the New York City Department of Transportation, Standard Highway Specifications, dated November 1, 2010. The said Specifications are hereby revised. Included hereunder are the following REVISIONS:

- Amendments to Standard Highway Specifications, Volume I
- 2. Amendments to Standard Highway Specifications, Volume II, including Section 7.88 (Revised)
- 3. New Sections
- 4. Special Provisions

1. AMENDMENTS TO STANDARD HIGHWAY SPECIFICATIONS, VOLUME I

The following amendments to the Contract Requirements shall become a part of and apply to the contract:

#### [Added 12-09-2010]

1. Refer to Page 15, Subsection 1.06.23.(C) CONFORMANCE WITH FEDERAL, STATE AND CITY AGENCIES;

Add the following new paragraphs:

"The Contractor is notified that all vehicles that are owned, leased or operated by the Contractor or its subcontractors and used in connection with the Project shall comply with the following requirement:

Every truck, tractor, and tractor-trailer or semitrailer combination, having a gross vehicle weight rating of twenty-six thousand pounds or more, and a conventional cab configuration in which more than half of the engine length is forward of the foremost point of the windshield base, and the steering wheel hub is in the forward quarter of the vehicle length shall be equipped with a convex mirror on the front of such vehicle or combination of vehicles. Such convex mirror shall be adjusted so as to enable the operator of such vehicle or combination of vehicles to see all points on an imaginary horizontal line which is three feet above the road, is one foot directly forward from the midpoint of the front of such vehicle or combination of vehicles, and extends the full width of the front of such vehicle or combination of vehicles.

Any vehicle that does not comply with this provision may be prohibited from entering the Project site and/or supplying equipment or materials to the Project. The Contractor shall not be entitled to any damages as a result of such prohibition."

#### [Added 01-09-2011]

2. Refer to Page 240, Subsection 4.16.5.(B) STUMP REMOVAL;

Delete Subsection 4.16.5.(B) STUMP REMOVAL, in its entirety:

Substitute the following revised Subsection 4.16.5.(B):

#### "(B) STUMP REMOVAL

- 1. Tree stumps designated to be removed and their roots shall be completely excavated to a minimum depth of three (3) feet below the existing grade. A portable stump cutter may be required in some locations. It may be necessary to remove concrete, asphalt, pavers, and/or other types of material surrounding the base of the stump. All excess debris, including chips from tree stumps, shall be removed and disposed of by the Contractor, away from the site prior to backfilling and the area shall be restored by completion of the workday, to the satisfaction of the Engineer. The disposal of tree stumps by burning in open fires will not be permitted.
- 2. All voids and excavations left after the removal of the stump and roots shall be backfilled to grade with clean earth fill. Fill shall be placed and compacted to a minimum of 95 percent of Standard Proctor Maximum Density by acceptable methods to the satisfaction of the Engineer. Where paving blocks exist, they are to be reset to the existing grade as directed.
- 3. Maximum safety and care must be used by Contractor during stump removal. The Contractor shall carefully protect against damage all existing trees, plants, curbs, sidewalks and utilities and other features to remain. The Contractor is responsible for locating and protecting underground utilities from damage during stump removal procedures. During stump grinding operations, plywood must be used to protect adjacent vehicles, real property, and pedestrians. If, when removing stumps, existing sidewalks or curbs are disturbed, the Contractor shall restore and/or reset these sidewalks and curbs, at no additional cost to the City. Restoration work shall be done to match the existing, to the satisfaction of the Engineer. All damaged trees, curbs, sidewalks, real property, vehicles and utilities must be addressed within three (3) days."

#### [Added 04-18-2011]

3. Refer to Pages 218 and 219, Subsection 4.13.4.(H) PIGMENT;

Delete the first three (3) paragraphs on page 219:

Substitute the following revised three (3) paragraphs.

"Where the color of the concrete is required to simulate the color of dark gray bluestone, the concrete shall be integrally pigmented to produce a gray color equivalent to: Davis Colors No. 884-3%; Lansco Color No. 437 "Strong Black" 5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; L.M. Scofield "Cool Black No. 4"; Bayferrox Limestone 330, 2 lbs. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified.

Where the color of the concrete is required to simulate the color of light to medium gray granite, the concrete shall be integrally pigmented to produce a gray color equal to: Davis Colors No. 884-1%; Lansco Color No. 437 "Strong Black" 2.5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; L.M. Scofield "Cool Black No. 1"; Bayferrox Silver 330, 1 lb. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified.

Where the sidewalk is designated to have a saw cut joint finish the color of the concrete shall be integrally pigmented to produce a gray color equivalent to L.M. Scofield "Landmarks Grey" K-157-4; L.M. Scofield "Cool Black No. 4"; Davis Colors No. 884-3%; Lansco Color No. 437 "Strong Black" 5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; Bayferrox NYC Landmark Commission Gray, 3.5 lbs. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified."

#### [Added 07-01-2011]

- 4. Refer to Page 14, Subsection 1.06.23.(A) PERMITS;

  Delete line (b) under the first paragraph;

  Substitute the following text:
  - "(b) Any planned work requiring a DOT Construction Permit that may potentially be within 100 feet of a bridge structure will be placed on a Bridge Hold. If any proposed work is within 100 feet of a bridge structure, permittees must submit a scaled drawing showing the work and exact location, along with the following:
    - Plan layout of the project area.
    - The scope of work.
    - The contractor's means and methods.
    - Indicate if work will be done of the bridge itself or its abutments, and the type of work.

If the work is more than 100 feet away from the bridge structure, permittees may send a certification by e-mail stating so. Either response must be sent to the Division of Bridges at bridgeshold@dot.nyc.gov for review and release prior to commencing work. Emergency work will not be placed on hold and shall proceed in accordance with the New York City Highway Rules, section 2-11 (g);

(c) Permits from the Department of Sanitation for use of City landfills;"

#### [Added 07-27-2011]

- 5. Refer to Page 37, Subsection 1.06.46.(A) 6. Sign Graphics;

  Delete article "a." beginning with the words "All visual

  components of the sign are in an Adobe \*.pdf file, . . ." and
  ending with the words ". . . DDC to the Contractor (on a CD or
  via E-mail) for printing.", in its entirety;
  Substitute the following revised article "a":
  - "a. All visual components of the sign are in an Adobe \*.pdf file, which is provided by the Commissioner's representative. The file is not to be altered for composition, type font or image from the version provided by DDC. The Commissioner's representative shall provide a complete file with data and image. The digital file shall be provided by DDC to the Contractor (on a CD or via E-mail) for printing."

#### [Added 09-27-2012]

6. Refer to Page 36, Subsection 1.06.46. Project Sign;

Delete the words "Unless otherwise specified in the Special

Provisions of the contract, the following shall apply:";

Substitute the following revised text:

"The Contractor is notified that he shall be required to furnish, install, maintain, and remove, when directed, Construction Project Information Signs (CPIS) as per Sec. 2-02(c)(4) and (5) of the NYC DOT Highway Rule and the cost shall be deemed included under all scheduled items of the contract. In addition, unless otherwise specified in the Special Provisions of the contract, the following Project Sign shall also apply:"

#### [Added 04-08-2013]

7. Refer to Page 200, Subsection 4.11.2.(B), first paragraph, sixth line;

Delete the word "porcelain.".

8. Refer to Page 201, Subsection 4.11.3.(B) FILL AND BACKFILL, second and third paragraphs;

Delete the second and third paragraphs under Subsection 4.11.3.(B), in their entirety; Substitute the following revised two paragraphs:

"Glass or Recycled Porcelain Aggegate (RPA) from recycling facilities that meets the requirements of **Subsection 4.11.3.(E)** for Glass and **Subsection 4.11.3.(F)** for RPA shall be considered suitable material for mixing with fill provided the Contractor maintains the gradations specified herein. However, glass shall not be placed in contact with synthetic liners, geogrids, geotextiles or other geosynthetics.

Glass and/or RPA incorporated into fill shall be thoroughly mixed with other suitable material so that glass, RPA or combination of both constitutes no more than 30 percent by volume anywhere in the fill as visually determined by the Engineer."

- 9. Refer to Page 202, Subsection 4.11.3.(E) GLASS;
  Add the following new Subsection 4.11.3.(F) RECYCLED PORCELAIN
  AGGREGATE (RPA):
  - "(F) RECYCLED PORCELAIN AGGREGATE (RPA)

All porcelain to be used as RPA shall be crushed by a New York City Department of Environmental Protection (NYCDEP) approved recycling facility to a maximum particle size of 3/8 inch and graded to meet the gradation specified above for use in either fill, backfill or select fill, as may be required. RPA from any other source will not be permitted. The NYCDEP approved recycling facility will also certify that the RPA being furnished is free from organic material and other unsuitable material.

Should the Contractor desire to use RPA in his fill or backfill material, he shall contact Mr. Vasyl Kravchyk at NYCDEP (Tel. No. 718-595-7512) to determine the availability of RPA and from which recycling facility it can be obtained.

The Contractor shall be required to make arrangement with the recycling plant, at least two (2) weeks in advance of when he would need the material, to schedule the time, date and quantity available for pickup. The Contractor shall be required to furnish the recycling facility with a complete list of his trucks involved in transporting the material, which shall include the name of the registered owner (Contractor), Consumer Affairs or DOS Permit numbers, body license plate number, and truck volume. This information must be supplied to the facility prior to the start of picking up the RPA.

Weight ticket receipt slips given by the recycling facility to each truck driver picking up RPA shall be collected by the Contractor and given to the Engineer upon delivering fill or backfill material to the site that contains RPA, and the Contractor agrees and warrants that in obtaining the RPA that such material has originated only from a NYCDEP approved recycling plant and it has not been mixed with porcelain material from any other source.

The Contractor shall be required to transport said material from the approved recycling facility to his yard for storage and mixing with his fill material; however, there is not guarantee that the material will actually be available.

The Contractor is advised that there is no guarantee that RPA will in fact be available for his use from a NYCDEP approved recycling plant and he shall make no claim against the City for loss of anticipated profits should the material not be available upon request by the Contractor.

All excess RPA not used in the fill or backfill shall remain the property of the DDC Contractor.

The Contractor must comply with all rules and regulations of the Department of Transportation and the Department of Environmental Protections governing the use of RPA in its fill and backfill material."

10. Refer to Pages 218 and 219, Subsection 4.13.4.(H) PIGMENTING, first four paragraphs;

Delete the first four paragraphs under Subsection 4.13.4.(H), in
 their entirety;
Substitute the following revised four paragraphs:

"Where pigmenting is specified, the concrete sidewalks shall be pigmented with an admixture complying with the requirements of **Section 2.19** and the following requirements:

'Commercial Gray': In commercial districts C4–4 through C4–7, C5 and C6, as defined in the Zoning Resolution of the City of New York, and in areas under the jurisdiction of the Lower Manhattan Development Corporation the color of the concrete shall be integrally pigmented to produce a gray color equivalent to L.M. Scofield 'Landmarks Grey' K-157-4; L.M. Scofield 'Cool Black No. 4'; Davis Colors No. 884-3%; Lansco Color No. 437 'Strong Black' 5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; Bayferrox NYC Landmark Commission Gray, 3.5 lbs. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified.

'Bluestone': Where the color of the concrete is required to simulate the color of dark gray bluestone, the concrete shall be integrally pigmented to produce a gray color equivalent to: Davis Colors No. 884-3%; Lansco Color No. 437 'Strong Black' 5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; L.M. Scofield 'Cool Black No. 4'; Bayferrox Limestone 330, 2 lbs. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified.

'Granite': Where the color of the concrete is required to simulate the color of light to medium gray granite, the concrete shall be integrally pigmented to produce a gray color equal to: Davis Colors No. 884-1%; Lansco Color No. 437 'Strong Black' 2.5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; L.M. Scofield 'Cool Black No. 1'; Bayferrox Silver 330, 1 lb. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified."

#### [Added 05-24-2013]

- 11. Refer to Page 14, Subsection 1.06.23.(A) PERMITS, first paragraph as modified by Article 4 on page Al-lb;
  Add the following new text:
  - "(d) All necessary permits from the Department of Environmental Protection which may include, but are not limited to, permits for use of City water."
- 12. Refer to Page 14, Subsection 1.06.23.(A) PERMITS, second paragraph;

  Add the following as the third paragraph:

"No fee permits for use of City water necessary to complete roadway pavement reconstruction project in conjunction with installation of sewers and/or water mains, will be issued by the Department of Environmental Protection. However, for all other type projects (such as installation of sidewalks, installation of pedestrian ramps, pavement milling, resurfacing, rehabilitation of retaining walls, and bridge reconstruction type projects) the Contractor will be required to obtain the water use permit at its own cost."

2. AMENDMENTS TO STANDARD HIGHWAY SPECIFICATIONS, VOLUME II

#### [Added 01-25-2012]

1. Refer to Pages 365 and 366, Subsection 6.40.2.(C)(c)(1) Personal Computer(s) - Workstation Configuration;

Delete the text under Subsections (a), (b), (c), (d), (h), (i), and (m), in their entirety;

Substitute the following revised text:

"(a) Make and Model: Dell; HP; Gateway; Acer; or, an approved equivalent. (Note: an approved equivalent requires written approval of the Assistant

Commissioner of ITS.)

(b) Processor: i5-2400 (6MB Cache, 3.1GHz) or

faster computer - Single Processor.

(c) System Ram: Minimum of 4GB (Gigabytes) Dual

Channel DDR3 SDRAM at 1333MHz – 2 DIMMSs

(d) Hard Disk Drive(s): 500 GB (Gigabytes) Serial ATA

(7200RPM) w/DataBurst Cache, or

larger."

"(h) Video Display Card: HD Graphics (VGA, HDMI) with a

minimum of 64 MB of RAM.

(i) Monitor: 22" W, 23.0 Inch VIS, Widescreen,

VGA/DVI LCD Monitor."

"(m) Software Requirements: Microsoft Windows 7 Professional

SP1, 64 bit; Microsoft Office Professional 2010; Microsoft Project 2010; Adobe Acrobat reader; Anti-Virus software package with 2 year updates subscription; and, either Auto Cad 2012 LT or Microsoft Visio 2010 Standard Edition, as directed by

the Engineer."

2. Refer to Page 366, Subsection 6.40.2.(C)(c)(b);

Delete the text under Subsection (b), which begins with the words

"(b) One (I) 600 DPI HP Laser Jet . . ", in its entirety;

Substitute the following revised text:

"(b) One (1) 600 DPI HP Color Laser Jet all-in-one
Printer/Scanner/Copier/Fax (twelve (12) pages per minute or
faster) with one (1) Extra Paper Tray (Legal Size) networked
to all office computers "

3. Refer to Page 367, Subsection 6.40.3. SPECIFIC REQUIREMENTS FOR ENGINEERS FIELD OFFICE (TYPE A, B, C, CU, D OR DU), first paragraph;

Delete the text in the first paragraph of Subsection 6.40.3., in

<u>Delete</u> the text in the first paragraph of **Subsection 6.40.3.**, in its entirety;

Substitute the following revised text:

6.40.3. SPECIFIC REQUIREMENTS FOR ENGINEER'S FIELD OFFICE (TYPE A, B, C, CU, D, OR DU). In addition to the general requirements, each type of Field Office shall have the minimum floor area indicated in Table 6.40-I calculated based on usable area only, excluding any loss factors. Loss factors are defined as those areas such as lobby, sidewalk window ledge, elevator shafts and stairways. The Contractor shall provide and maintain furnishings for each type of Field Office in the quantity specified in Table 6.40-I. The furnishings shall be new or used equipment satisfactory to the Engineer:

Refer to Page 368, TABLE 6.40-I, ADDITIONAL REQUIREMENTS SPECIFIC REQUIREMENTS; Delete the requirements for a Photocopy Machine shown in the 15th row of TABLE 6.40-I, in its entirety; Substitute the following revised requirements: Photocopying Machine - Stand-alone, heavy duty, electric, dry-1 1 1 process color photocopying type with a minimum production rate of 70 pages per minute and an adequate supply of copy paper. toner, etc. The machine shall be capable of duplex copying paper sizes of 8-1/2 x 11 inches, 8-1/2 x 14 inches and 11 x 17 inches, and have separate travs for each paper size. It shall have a document feeder, collator, stapler, and the capability to reduce/enlarge copies between each paper size. The supply of each size copy paper, toner etc. shall be replenished and the machines shall be maintained for the duration of the contract by the Contractor as required by the Engineer. Make and model can be Minolta Canon, IBM, Epson, or an approved equivalent, and shall be networked to the office computers.

5. Refer to Page 368, TABLE 6.40-I, ADDITIONAL REQUIREMENTS SPECIFIC REQUIREMENTS;
Insert the following two additional requirements:

Heavy duty commercial grade diamond cut shredder with automatic start. The shredder shall be able to receive 8-1/2 inch wide paper and shred a minimum of 15 sheets simultaneously along with CDs and staples.	1	1	1	1	1	1
Projector – 1080p LCD with a min. of 2200 ANSI Lumins, 1920 x 1080, 16:9, 40,000:1 contrast ratio, HDMI, VGA, USB, and a 10 feet diagonal, 16:9 Projection Screen.	-	-	1	1	1	1

6. Refer to Page 496, Subsection 7.20.4. METHODS, last paragraph beginning with the words "When directed by the Engineer, due to the original conditions . . .";

Add the following sentence to the end of the last paragraph under Subsection 7.20.4:

"However, if the owner at his own expense supplies the replacement frame and doors or hatch covers the Contractor shall install the replacement frame and doors or hatch covers under this Item 7.20, as a basement access reset, in lieu of the steel safety closure plate."

#### [Added 07-16-2012]

7. Refer to Page 365, Subsection 6.40.2.(C)(c)(1) "Personal Computer(s) - Workstation Configuration";

Delete the text under Subsections (g) and (k), in their entirety;
Substitute the following revised text:

"(g) I/O Ports:

Must have at least one (1) Serial

Port, one (1) Parallel Port; and

three (3) USB Ports.

(k) Network Interface:

Integrated 10/100/1000 Ethernet

card."

- 8. Refer to Page 366, Subsection 6.40.2.(C)(c)(2) "All field offices requiring computers shall be provided with the following:";

  Delete the text under Subsection (a), in its entirety;
  Substitute the following revised text:
  - "(a) One (1) broad-band internet service account. Wideband Internet connectivity at a minimum throughput of 15 Mbps download and 5 Mbps upload is required at each field office location with 1-5 staffers. For larger field offices see table below for minimum required upload speeds. Telephone service should be bundled together with Internet connectivity. Because of throughput requirements Verizon FIOS is the preferred connectivity provider where available.

Office Personnel #	Upload Speeds (Minimum)
1 - 5	5 Mbps
6 - 10	10 Mbps
11 - 15	15 Mbps
16 - 20	20 Mbps

This account will be active for the life of the project. The e-mail name for the account shall be the DDC Field Office/project Id (e.g. FLD K HWK666 McGuinness@earthlink.com)."

#### [Added 08-09-2012]

- 9. Refer to Page 366, Subsection 6.40.2.(C)(c)(d)(b), as amended by Article 2 on page A1-2 of this Addendum;

  Delete the text under Subsection (b), in its entirety;

  Substitute the following words: "(b) (No Text)."
- 10. Refer to Page 368, TABLE 6.40-I, ADDITIONAL REQUIREMENTS SPECIFIC REQUIREMENTS;

Delete the requirements for a Photocopy Machine shown in the 15th row of TABLE 6.40-I, as modified by Article 4 on page A1-2a of this Addendum, in its entirety;

Substitute the following revised requirements:

Photocopying Machine – Stand-alone, heavy duty, electric, dry- process color photocopying type with color scan and send	1	1	1	1	1	1
capability via e-mail, a minimum production rate of 70 pages per minute and an adequate supply of copy paper, toner, etc. The machine shall be capable of duplex copying paper sizes of 8-1/2					-	
x 11 inches, 8-1/2 x 14 inches and 11 x 17 inches, and have separate trays for each paper size. It shall have a document					·	
feeder, collator, stapler, and the capability to reduce/enlarge copies between each paper size. The supply of each size copy						
paper, toner, etc. shall be replenished and the machines shall be maintained for the duration of the contract by the Contractor as						
required by the Engineer. Make and model can be Minolta, Canon, IBM, Epson, or an approved equivalent, and shall be						
networked to the office computers.						

#### [Added 11-26-2012]

11. Refer to Pages 504 through 508, SECTION 7.88 - Rodent and Waterbug Pest Control;

Delete Section 7.88, in its entirety;

Substitute SECTION 7.88 (Revised), as contained on the following pages A1-2d through A1-2i.

#### [Added 02-08-2013]

12. Refer to Page 394, Subsection 6.52.3. METHODS;

Insert the following new sentence to the end of the third paragraph:

"However, on Federally Funded Projects all uniformed full-time flagpersons paid under this item, irrespective of where they are used in Examples #1 and #2, shall be deemed to be Laborers and shall not be paid less than the highest minimum hourly rate as set forth by Federal, State or City laws."

# SECTION 7.88 (Revised) Rodent and Waterbug Pest Control

- **7.88.1. DESCRIPTION.** The Contractor shall provide all labor, materials, plant and equipment, and incidentals required to survey and monitor rodent activity and control any infestation or outbreak of rodents and waterbugs (American cockroaches) within the project limit.
- **7.88.2. MATERIALS.** All materials shall be approved by the New York State Department of Environmental Conservation and comply with the New York City Health Code for the intended usage.

Rodenticide weatherproof bait blocks shall be multiple dose anticoagulants such as Chlorophacinone or Dephacinone, or single feed rodenticides such as ContraMeal, ContracBait block, Quintox pellets or TalonG pellets, or an approved equivalent.

Tamper proof bait station boxes shall be designed to exclude other mammals and shall be used with poisoned bait to attract rats. Information on "tamper proof bait station boxes" is available from the NYC Bureau of Regulatory & Environmental Health Services, Pest Control Office (718-956-7103/4).

Live traps shall be of proper dimensions for trapping rats and shall <u>not</u> be used with poisoned bait.

Insecticide bait shall be a residual type such as phenol methyl carbamate (2%) bait or an approved equivalent.

#### (A) SUBMITTALS

Prior to commencement of construction activities the Contractor shall submit to the Engineer manufacturer's installation instructions for all materials required for rodent and waterbug pest control work and product data which shall include illustrations, catalog data, product characteristics, typical use, performance, and limitation criteria of all rodent and waterbug pest control materials required.

- **7.88.3. PERSONNEL.** The Contractor shall employ two independent licensed exterminators: one to engage in survey and monitoring work to establish the level of infestation of rodents and insects and provide recommendations for specific Integrated Pest Management (IPM) actions, and one to execute the rodent and waterbug pest control work to deal with such infestations. All pest control personnel employed by each exterminator company must be supervised by an exterminator licensed in categories 7A & 8. The Contractor shall submit the names and license credentials of the two exterminator companies to the Engineer for approval prior to the commencement of any work under this section.
- **7.88.4. METHODS.** Application and dosage of all materials shall be done in strict compliance with the manufacturer's recommendations. All surveying, monitoring, baiting, and/or live trapping work shall be performed in the presence of the Engineer, without which no payment will be made under this Section.

#### (A) GENERAL

The Contractor's construction activity is expected to disturb any established rodent and/or waterbug population that may exist within the project limits, possibly causing their dispersion. The Contractor shall take all appropriate action to eliminate and/or control these populations within the construction corridor: the construction corridor shall be defined as being the full width of streets under the contract and intersecting streets up to the limits of construction, from property line to property line, excluding buildings and under sidewalk building vaults.

Under the Maintenance of Site requirements for the contract, any unsanitary conditions, such as uncollected garbage or debris, resulting from the Contractor's activities which will provide food and shelter to the resident rodent population shall be corrected by the Contractor immediately after notification of such condition by the Engineer. Non-compliance shall be subject to the application of the "Nonconformance" provisions of the Item for Maintenance of Site, and no payment will be made for any additional application of rodenticide or insecticide needed to control resultant infestations.

#### (B) SURVEY AND MONITORING WORK

- (1) Prior to Construction The Contractor's designated survey and monitoring exterminator shall execute a survey of the project area and estimate the level of rodent (Norway rat, House mouse) infestation and the waterbug population within the construction corridor. An appropriate sample of utility manholes (sewer, electrical, telephone, etc.) and catch basins should be opened and surveyed to the satisfaction of the Engineer. Contractor shall maintain all survey records in the manner described in 7.88.6., Records and Reports.
- (2) <u>During Construction</u> The Contractor shall monitor the rodent activity through trapping (snap, glue traps or live traps), fecal count methods, and inspection of the conditions of all installed baits every week during construction activity or as otherwise directed by the Engineer. Contractor shall maintain all monitoring records in the manner described in 7.88.6., Records and Reports.

#### (C) RODENT CONTROL WORK

- (1) Wetlands, Woodlands and Areas Within Seventy-five (75') feet of a Stream. In wetlands, woodlands and areas adjacent to a stream, special precautions must be taken to protect water quality and to ensure the safety of other wildlife. To prevent poisoned bait from entering streams, no poisoned bait shall be used in areas within seventy-five (75') feet of either streambank. Live traps must be used in these seventy-five (75') feet buffer zone areas and within wetland and woodland areas.
- (2) <u>Outside Wetland Areas, Woodland Areas and Beyond Seventy-five (75')</u> feet of a Stream. In areas outside the seventy-five foot zone of protection adjacent to streams, and areas outside wetlands and woodlands, tamper proof bait stations with poisoned bait shall be established during the period of construction and any consumed or decomposed bait shall be replenished as directed.

Rodent control shall be achieved in two stages as follows:

At least one month prior to initiation of the construction work, and periodically thereafter, live traps and/or rodenticide bait, as directed above, shall be placed at locations [e.g., burrows, utility manholes (sewer, electrical, phone, etc.), and catch basins] that are inaccessible to pets, human beings, children and other non-target species, particularly wildlife (e.g., birds) in the construction corridor. Locations of initial bait placement and quantities of bait shall be determined by the survey and monitoring exterminator's written report of his survey and monitoring results, or as otherwise directed by the Engineer.

Stage II. <u>During Construction</u> - Infested sites as determined by the survey and monitoring exterminator's monitoring report shall be baited and/or rebaited, and live traps shall be collected and replaced, the rates and quantities of which shall be determined by the written monitoring reports submitted weekly or as otherwise directed by the Engineer in consultation with the City's Office of Pest Control.

The baiting exterminator shall be responsible for collecting and disposing of all trapped and poisoned rodents found in live traps and tamper proof bait stations. The baiting exterminator shall also be responsible for posting and maintaining signs announcing the baiting of each particular location.

The Contractor, under his maintenance of site operations, shall be responsible for the immediate collection and disposal of any visible rodent remains found on streets or sidewalk within the project limits. Any visible remains shall be placed into double plastic bags. No more than five (5) carcasses shall be placed into each bag. Each bag shall be a minimum of 3 mils thick, black plastic. No additional payment will be made for this work.

It is anticipated that public complaints will be addressed to the Engineer's Field Office. The Contractor, where directed by the Engineer, shall take appropriate Integrated Pest Management (IPM) actions, such as baiting, trapping, proofing, etc., to remedy the source of a complaint within the next six (6) hours of normal working time, which is defined herein, for the purposes of this section, as 7 A.M. to 6 P.M. on Mondays through Saturdays.

# (D) WATERBUG (AMERICAN COCKROACH) CONTROL

Infested sites (e.g., sewers) shall be baited at least 2 times per month with insecticides, or as directed by the Engineer in consultation with the exterminator monitoring the work and the City's Office of Pest Control.

**7.88.5. EDUCATION & TRAINING.** The Contractor shall post notices in all Construction Bulletin Boards advising workers, employees, and residents to call the Engineer's Field Office to report rodent and waterbug infestations. The Contractor shall provide and distribute literature pertaining to IPM techniques of rodent control to affected businesses and superintendents of nearby residential buildings to ensure their participation in maintaining their establishments free of unsanitary conditions, harborage removal and rodent proofing.

Prior to application of any chemicals, the Contractor shall furnish copies or sample labels for each pesticide, antidote information, and Material Data Safety Sheets (MSDS) for each chemical used.

#### 7.88.6. RECORDS AND REPORTS.

#### (A) GENERAL

The Contractor shall be responsible for assigning within the construction corridor an identifying number to each manhole, catch basin, and other location where bait and/or live trap placement and/or waterbug control work is proposed by the survey and monitoring exterminator. The Contractor shall then provide that list of locations and corresponding reference numbers along with a drawing showing the locations, as a reference for the exterminator(s) performing the work, to indicate locations of bait placement and waterbug control work and rodent and waterbug activity (droppings, bait consumed, dead rodents, etc.).

#### (B) SURVEY AND MONITORING WORK

- (1) Prior to Construction Contractor shall submit to the Engineer, for approval, a written survey report including proposed IPM procedures, including specific materials, quantities, locations, methods, and time schedule for the implementation of the exterminating work. The written report shall also include a survey with a drawing (provided by the Contractor) marked with locations indicating all signs of rodent (Norway rat, House mouse) infestation and waterbug activity discovered during the execution of the survey indicating that rodent and waterbug pest control work is necessary.
- (2) <u>During Construction</u> Based on monitoring results, Contractor shall submit to the Engineer a weekly written monitoring report identifying all locations and conditions of installed bait and/or other rodent control work. The monitoring report shall also include any other recommended IPM techniques, such as baiting, trapping, proofing, etc., proposed for rodent and waterbug pest control.

The survey and monitoring exterminator shall keep a record of all rodent and waterbug infestation surveys s/he has conducted. The Contractor shall be required to submit a copy of all survey and monitoring reports to the Engineer each week, prior to payment.

#### (C) RODENT AND WATERBUG CONTROL WORK

The baiting exterminator shall maintain records of all locations baited along with the type and quantity of rodenticide and insecticide bait used. These records will be kept by the City Inspector. A weekly report shall be prepared, signed and certified by the approved licensed exterminator, and such reports shall be submitted to the Engineer each week, prior to payment.

**7.88.7. NONCONFORMANCE.** If the Contractor fails to perform as directed to control the rodent and/or waterbug population at any location within the project limits for a period of more than one week, the Engineer will correct the adverse conditions by any means he deems appropriate, including but not limited to, the use of "outside services" and shall deduct the cost of the corrective work from any monies due to the Contractor. The deducted cost of this work shall be in addition to the non-payment for rodent and waterbug pest control.

#### 7.88.8. MEASUREMENT.

#### (A) RODENT INFESTATION SURVEY AND MONITORING

The quantity to be measured for payment under Item No. 7.88 AA, RODENT INFESTATION SURVEY AND MONITORING, shall be a Lump Sum measurement.

#### (B) RODENT BAIT STATIONS

The quantity to be measured for payment under Item No. 7.88 AB, RODENT BAIT STATIONS, shall be the number of tamper-proof rodent bait station boxes and/or live traps satisfactorily installed or reinstalled after inspection within the construction corridor, as approved by the Engineer. However, the initial baiting, and subsequent rebaiting as may be required, of any bait station will be paid for under Item 7.88 AC.

#### (C) BAITING OF RODENT BAIT STATIONS

The quantity to be measured for payment under Item No. 7.88 AC, BAITING OF RODENT BAIT STATIONS, shall be the number of tamper-proof rodent bait station boxes, utility manholes, catch basins, or other locations approved by the Engineer, satisfactorily baited or rebaited to replenish consumed or decomposed bait within the construction corridor, as approved by the Engineer.

## (D) WATERBUG BAIT APPLICATION

The quantity to be measured for payment under Item No. 7.88 AD, WATERBUG BAIT APPLICATIONS, shall be the number of blocks satisfactorily treated with insecticide bait within the construction corridor, as approved by the Engineer. A block shall be defined as the area of street, measured between property lines, from intersection to intersection. Each rebaiting of any block shall be considered as a new block for measurement purposes.

#### 7.88.9. PRICES TO COVER.

#### (A) RODENT INFESTATION SURVEY AND MONITORING

Payment will be made at the lump sum price bid for RODENT INFESTATION SURVEY AND MONITORING which shall include the cost of furnishing all the labor, materials, plant, equipment (traps, etc.), insurance, and other incidentals required, including but not limited to providing all required maintenance of traffic equipment, to perform a rodent infestation survey of the project area and then monitor the site each week for rodent activity, all in accordance with the specifications and the directions of the Engineer.

Ten (10%) percent of the lump sum price bid will be paid when the initial survey of the project area has been completed and the written survey report has been submitted to the satisfaction of the Engineer. The remainder will be paid in proportion to the percentage of contract completion.

#### (B) RODENT BAIT STATIONS

The Contract price bid for RODENT BAIT STATIONS shall be a unit price per each tamper proof bait station box and/ or live trap installed or reinstalled after inspection and shall cover the cost of furnishing all labor, materials, plant, equipment (bait stations, etc.), insurance, and other incidentals, including but not limited to providing all required maintenance of traffic equipment, required to control the rodent population found within the project limits in accordance with the specifications and the directions of the Engineer.

In addition to the payment for Rodent Bait Stations installed or reinstalled under this Item 7.88 AB, the Contractor will also be paid for each baiting or rebaiting, when required, of each bait station, under Item No. 7.88 AC.

## (C) BAITING OF RODENT BAIT STATIONS

The Contract price bid for BAITING OF RODENT BAIT STATIONS shall be a unit price per each bait station, utility manhole, catch basin or other location approved by the Engineer satisfactorily baited or rebaited, when required, and shall cover the cost of furnishing all labor, materials, plant, equipment (bait), insurance, and other incidentals, in accordance with the specifications and directions of the Engineer. Installation or resetting of the bait station will be paid for under Item 7.88 AB.

#### (D) WATERBUG BAIT APPLICATION

The Contract price bid for WATERBUG BAIT APPLICATION shall be a unit price per block treated by the exterminator and shall include the cost of furnishing all the labor, materials, plant, equipment (bait, etc.), insurance, and other incidentals, including but not limited to providing all required maintenance of traffic equipment, necessary to control the waterbug population found within the project limits for the duration of the contract in accordance with the specifications and the directions of the Engineer.

#### Payment will be made under:

Item No.	Item	Pay Unit
7.88 AA 7.88 AB 7.88 AC 7.88 AD	RODENT INFESTATION SURVEY AND MONITORING RODENT BAIT STATIONS BAITING OF RODENT BAIT STATIONS WATERBUG BAIT APPLICATION	L.S. EACH EACH BLOCK

#### [Added 05-24-2013]

- 13. Refer to Page 366, Subsection 6.40.2.(C)(c)(1)(m) Software
  Requirements, as modified by Article 1 on page A1-2;
  Delete the text under Subsection (m), in its entirety;
  Substitute the following revised text:
  - "(m) Software Requirements: Microsoft Windows 7 Professional SP1, 32 bit; Microsoft Office Professional 2010; Microsoft Project 2010; Adobe Acrobat reader; Anti-Virus software package with 2 year updates subscription; and, either Auto Cad LT or Microsoft Visio Standard Edition, as directed by the

Engineer."

(NO TEXT ON THIS PAGE)

#### 3. NEW SECTIONS

#### SECTION 4.06 SC Self-Consolidating Concrete in Structures

**4.06SC.1. INTENT.** This section describes Self-Consolidating Concrete in Structures.

**4.06SC.2. DESCRIPTION.** Self-Consolidating Concrete in Structures under this section shall refer to all concrete used in the median wall structure. Finish, color and design shall be as specified. The concrete shall be a highly workable concrete that can flow through densely reinforced or complex structural elements under its own weight and adequately fill voids without segregation or excessive bleeding without the need for vibration.

**4.06SC.3. MATERIALS.** All materials shall comply with the requirements of **Subsection 4.06.3** in the Standard Highway Specifications, with the following modifications and additions:

- (A) Concrete for deposit as a concrete structure shall be a Class A-40 concrete in compliance with the requirements of **Section 3.05** in the Standard Highway Specifications, with the following modifications:
  - (1) Concrete shall be a Self-Consolidating Concrete (SCC) with a minimum compressive strength of not less than 4,000 psi at 28 days as determined by not less than three (3) cylinders. Air-entrainment shall be from 4 to 7 percent, with 6.5 percent desired.
  - (2) Portland Cement: ASTM C150, Type II.
  - (3) Aggregates:

Fine Aggregates shall be sand – Type 1A, complying with the requirements of **Section 2.21**, **Fine Aggregate – Sand (For Asphalt, Concrete, Mortar and Plaster)** in the Standard Highway Specifications.

Coarse aggregate – Type 1, Grade B, or Type 2, Size No. 67, comply with the requirements of **Section 2.02, Aggregates Coarse (Broken stone and Gravel)** in the Standard Highway Specifications.

- (4) Admixtures: Furnish from one manufacturer, except for the Viscosity Modifier Admixture (VMA) which may be furnished from another manufacturer provided it is compatible with all other admixtures.
  - a. Characteristics: Compatible with each other and free of intentionally added chlorides.
  - b. Air Entraining shall comply with the requirements of **Subsection 2.09.3 (A)**, **Admixtures** in the Standard Highway Specifications and shall be added at the time concrete ingredients are mixed with water.
  - High-Range Water-Reducing Admixture shall conform to ASTM C 494, Type F.
  - d. Accelerating Admixture shall comply with the requirements of ASTM C 494, Type C or E.
  - e. VMA shall comply with the requirements of ASTM C 494, Type S.
  - f. Other admixtures shall be as approved by the Engineer.
- (5) Supplementary Cementing Materials:

- a. The substitution of supplementary cementitious materials for cement shall be made on the basis of weight, except for Silica Fume which shall be an addition not substitution.
- b. Fly Ash shall conform to ASTM C 618, Class F.
- c. Ground Granulated Blast-Furnace Slag (GGBFS) shall conform to ASTM C989
- d. Silica Fume shall conform to ASTM C 1240.
- (B) Mixture Specifications:
  - Water-to-cementitious materials ratio shall not exceed 0.50 by weight.
  - (2) Supplemental Cementitious Materials (SCM): Concrete mixture shall meet ACI 318 requirements for concrete exposed to deicing chemicals. Fly ash or GGBFS shall not exceed 25% of the weight of the total cementitious materials. Silica Fume shall range from 8% to 15% by weight of cement as an addition to and not a replacement for cement.
- (C) Slump Flow:
  - (1) Slump flow shall be measured in the form of spread with slump cone inverted.
  - (2) The design slump flow of the SCC mixture shall be established by the Engineer.
  - (3) The slump flow of SCC used on the project shall be the design slump flow plus or minus two (2") inches.
- (D) Visual Stability Index (VSI): VSI Rating shall not exceed 1.
- (E) Before the Contractor begins to manufacture concrete, he shall secure the Engineer's approval of the mix design he proposes to use for the SCC.
  - (1) Proportion mixture according to project specific criteria (Compressive Strength, Air Content, Slump Flow and VSI.
- **4.06SC.4. METHOD.** All work shall be done in accordance with the applicable requirements of **Subsections 4.06.4** through **4.06.11** in the Standard Highway Specifications, excluding **Subsection 4.06.7.(D), COMPACTING CONCRETE**.
- **4.06SC.5. MEASUREMENT.** In determining the volume of concrete to be paid for, deductions will be made for the spaces occupied by pile heads, timbers and drains. Deductions will not be made for the spaces occupied by steel reinforcement, structural steel or water-proofing. Other deductions will or will not be made, as specified.

The measured volume of concrete will be adjusted for payment in accordance with the strength requirements under **Section 5.04** of the Standard Highway Specifications.

**4.06SC.6. PRICES TO COVER.** The contract price per cubic yard for Self-Consolidating Concrete in Structures, measured in place, shall cover the cost of all labor, materials, equipment, insurance, and incidentals required to furnish and construct the concrete structure complete in full compliance with the requirements of the specifications, exclusive of steel reinforcement, and to furnish such samples for testing and to provide such testing equipment, laboratory space and facilities as may be required.

Payment will be made under:

Item No. Item

Pay Unit

4.06 SC

SELF-CONSOLIDATING CONCRETE IN STRUCTURES

C.Y.

# SECTION 6.02 P Pneumatic Excavation Around Trees

#### 6.02P.1. DESCRIPTION.

Under this Section, the Contractor shall be required to perform pneumatic excavation work at locations where trees exist within the work area and are required to remain. This work requires the Contractor to protect tree roots during excavation and implement, as needed, a temporary excavation support system. Work covered under this section shall be performed at the locations indicated on the Plans, in accordance with the contract documents, and as directed by the Engineer, in consultation with the Tree Consultant (Item 4.21).

#### 6.02P.2. CONSTRUCTION DETAILS.

The work shall be performed where shown on the Plans and as directed by the Engineer. Prior to any pneumatic excavation work, the following shall be performed:

#### (A) WORK SITE SAFETY

In addition to the Department of Design and Construction's Safety Requirements policy and responsibilities, the pneumatic excavation shall be performed in accordance with the manufacturer's operating instructions. The Contractor shall be responsible to provide adequate equipment and perform pneumatic excavation techniques properly to preclude movement of any air-borne soils onto adjacent roadways or other areas beyond the designated work zone limits. Failure to contain and/or collect the excavated soil will result in the immediate termination of pneumatic excavation until soil containment and/or collection procedures are determined adequate by the Engineer. The Contractor shall keep the public at a safe distance from the work zone at all times by means approved by the Engineer.

#### (B) TREE CONSULTANT

Unless otherwise directed by the Engineer, all pneumatic excavation work shall be performed under the direction of the Engineer, in consultation with the Tree Consultant (Item 4.21).

#### (C) PRE-PNEUMATIC EXCAVATION MEETING

Prior to the start of such excavation, the Contractor and its approved Operator for pneumatic excavation shall attend a meeting arranged by the Engineer, with the Tree Consultant (Item 4.21) and other parties as appropriate, to review the requirements of this item including the schedule of operations, the mandatory presence of the Tree Consultant, safety measures, reporting, etc. The Contractor is required to submit a schedule of his anticipated pneumatic excavations at this meeting.

#### (D) SUBMITTAL OF SHOP DRAWINGS

Where required, the Contractor shall submit design shop drawings for any temporary excavation support system to be used during the pneumatic excavation work. The shop drawings shall be prepared, signed, and sealed by a Professional Engineer currently licensed in the State of New York. The shop drawings shall be submitted to the Engineer at least two (2) weeks before commencement of excavation. Excavation work may not commence until the shop drawings are approved by the Engineer.

#### 6.02P.3. RESPONSIBILITIES OF THE CONTRACTOR.

Prior to bidding, the Contractor shall examine the site and available information, and formulate methods of construction that will not result in any damage to existing trees during excavation. In any event, the Contractor will be held liable for irreparable and/or irreversible damage to any trees harmed due to the Contractor's methods and shall replace those trees as directed by the Department of Parks and Recreation, at no additional cost to the City.

#### 6.02P.4. MATERIALS.

Materials shall meet the following requirements, as modified by any supplemental landscape specifications or special notes included in the contract documents. Where indicated, refer shall be to the latest revision/edition of Standard Specifications of the New York State Department of Transportation (NYSDOTSS):

- (1) PNEUMATIC EXCAVATING TOOL. Excavation shall be performed through the use of a pneumatic excavation tool with the following requirements:
  - (a) The high air velocity excavation tool shall be specifically designed to fracture, pulverize, and displace porous and semi-porous soils without harming or causing damage to tree roots, existing subsurface utilities or other non-porous objects.
  - (b) The Contractor shall submit catalog cuts from the manufacturer verifying that the Pneumatic excavation tool meets the following criteria:

Rated Operating Pressure: 6.2 – 7.0 bar
Air Stream Velocity at Cutting Head: 2,200 – 2,500 km/hr
Air Displacement: 4,000 – 5,000 L/min

- (2) AIR COMPRESSOR. The air compressor may be either a portable or truck-mounted unit and shall be adequately sized as required to power the pneumatic excavation tool in accordance with the manufacturer's recommendations for the pneumatic excavating tool.
- (3) VACUUM TRUCK. A vacuum truck should be used to collect excavated spoil directly from the trench or pit.
- (4) CONTAINMENT STRUCTURE. To prevent the spread of excavated soil onto adjacent roadways and areas beyond the designated work zone limits, the Contractor shall provide a mobile structure or barrier to contain the material dislodged by the pneumatic excavation tool from the trench or pit. Timber or corrugated metal shields, tents supported on tubular frames or other structures as approved by the Engineer may be used.
- (5) ROOT PROTECTION. The following are required for root protection:

<u>Item</u> <u>NYSDOTSS Articles</u> Quilted Covers 711-02

Burlap 711-02

#### 6.02P.5. EXCAVATION PROCEDURES.

#### (A) DUST CONTROL

The work area shall be watered thoroughly at least twenty-four (24) hours in advance of, but no more than forty-eight (48) hours, prior to the start of any pneumatic excavation in order to reduce the incidence of airborne dust resulting from the pneumatic excavation operation.

#### (B) EXCAVATION - GENERAL

All excavation using the pneumatic excavation tool shall be performed in accordance with the manufacturer's recommendations in order to remove soil without causing damage to the roots of trees, buried structures, and/or utilities either in or adjacent to the excavation. The Contractor shall excavate within limits designated for pneumatic excavation shown on the Contract Plans or as directed by the Engineer, in consultation with the Tree Consultant (Item 4.21), using the pneumatic excavating tool. When working near utilities, the Contractor shall be responsible to locate underground facilities as required under 16 NYCRR Part 753 and Section 1.06.28 of the Standard Highway Specifications.

# (C) EXCAVATION - TEMPORARY EXCAVATION SUPPORT SYSTEM

Approved sheeting and bracing shall be used where necessary to support the sides of the excavation, in order to: prevent damage to subsurface structures and adjacent buildings; safeguard persons and property; minimize inconvenience to traffic and the public; protect the structure to be installed; support the adjacent tree(s); and, provide suitable and safe working conditions. Except as otherwise provided, deviations from the above will be permitted only where, in the judgment of the Engineer, such exception will not result in any of the hazards described above.

In cases where sheeting and bracing will not adequately protect adjacent structures from damage and settlement, the Contractor will be required to use such measures as are necessary to safely support and maintain adjacent and abutting property and structures, support the tree without causing damage to the tree, and to maintain the work safe to life, limb, and property.

All sheeting and bracing systems that the Contractor elects to use or that are ordered to use by the Engineer shall comply with the requirements of **Section 4.05**, "SHEETING AND BRACING," of the NYC Department of Design and Construction, Division of Infrastructure, Standard Sewer Specifications, and must receive the approvals stated therein.

Unless otherwise specified in the Contract Drawings or these Specifications or specifically permitted in writing by the Engineer, the Contractor shall be required to withdraw and remove all sheeting and bracing simultaneously with the backfilling of the excavation.

# (D) ROOT PROTECTION

The Contractor shall place wet burlap or cotton mats upon both the fibrous and structural roots immediately after they have been exposed by the pneumatic excavating tool. The burlap or cotton covering may be removed to perform inspection or construction operations, but the Contractor shall be required to keep the burlap or cotton towels wet and the roots moist until backfilling is complete.

The Engineer shall be immediately informed of any damaged tree roots. No tree roots may be pruned except as specifically authorized by the Tree Consultant (Item 4.21). In case the concentration of roots obstructs the placement of utilities, footings or other structures, limited pruning may be necessary as directed by the Tree Consultant (Item 4.21). Tree roots in excess of one (1) inch in diameter, measured at the edge of the excavation, shall be cut cleanly at the edge of excavation using a sharp cutting tool. All root pruning shall be performed under the direction of the Tree Consultant (Item 4.21).

# (E) TREE CONDITION REPORT

The Contractor shall supply the Tree Consultant (Item 4.21) with information as needed for the Tree Consultant to prepare periodic reports to the Engineer summarizing the number, type, and condition of trees adjacent to each area of pneumatic excavation. These reports shall also indicate the duration of open excavation and identify any root damage and mitigation actions taken.

# 6.02P.6. MEASUREMENT.

The quantity to be measured for payment hereunder shall be the number of cubic yards of soil and fill material removed by pneumatic excavation, completed, as described herein and to the satisfaction of the Engineer. The volume to be obtained by vehicle measurement.

In determining the vehicle measurement, only water level loads that have been raked by the Contractor to a flat exposed surface will be accepted by the Engineer and no allowance will be made for any crown or peak of the load.

#### 6.02P.7. PRICE TO COVER.

The contract price for "PNEUMATIC EXCAVATION AROUND TREES" shall be the unit price bid per cubic yard of material excavated as described herein, at the locations and to the limits indicated on the

Plans or directed by the Engineer, in consultation with the Tree Consultant (Item 4.21). The unit price bid shall include the cost of all labor, materials, plant, equipment, professional engineering design services, insurance, and all other work incidental thereto needed to perform the excavation work, all in accordance with the Plans, the specifications and the directions of the Engineer. Disposal of excess and unsuitable (excluding contaminated) materials shall also be deemed included in the unit price bid for Item 6.02 PA "PNEUMATIC EXCAVATION AROUND TREES."

No separate payment will be made for replacement trees required by NYCDPR that the Contractor shall acquire and plant as a result of damage to trees caused by the Contractor's excavation methods.

PNEUMATIC EXCAVATION AROUND TREES

Payment will be made under:

6.02 PA

Item No. Item

C.Y.

Pay Unit

# SECTION 8.32 Bark Chip Mulch

- 8.32.1. <u>DESCRIPTION</u>. Under this section, the Contractor shall furnish and place Bark Chip Mulch in accordance with the plans and specifications and as directed by the Engineer.
- 8.32.2. MATERIAL. Bark Chip Mulch shall be a natural forest product of 98% bark containing less than 2% wood or other debris. It shall be of white or Red Fir and/or Pine bark of a uniform grade with no additives or any other treatment. Size of bark shall be from 5/8" to 1-1/4". The ph factor should range from 5.8 to 6.2.
- 8.32.3. <u>METHODS</u>. Bark Chip Mulch shall be applied where required on the plans or directed by Engineer as a ground cover to the surface of beds and tree pits after the planting is completed. Mulch shall be applied to a uniform depth of three (3") inches and shall be so distributed as to create a smooth, level cover over the exposed soil. Plants shall not be covered.
- 8.32.4. MEASUREMENT. The quantity of Bark Chip Mulch to be paid for will be the number of square yards of ground surface area that has been satisfactorily covered with bark chip mulch within limits of enlarged tree pits surrounding existing trees as indicated on the plans and where directed by the Engineer.
- 8.32.5. PRICE TO COVER. The unit price bid per square yard for Bark Chip Mulch shall cover the cost of all labor, materials, plant, equipment, insurance, and incidentals necessary to complete the work under this section in accordance with the plans, the specifications and the directions of the Engineer.

No payment will be made under this item for furnishing and placing mulch in tree pits around newly planted or transplanted trees.

Payment will be made under:

Item No. Item

Pay Unit

8.32 BARK CHIP MULCH

S.Y.

#### **SECTION 9.07**

# Non-woven Geotextile, Weed Barrier and Root Barrier

- 9.07.1. <u>INTENT</u>. This section describes the installation of non-woven geotextile that is to be furnished and installed as part of this project as WEED BARRIER and installation of High Density Polyethylene geomembrane that is to be furnished and installed as part of this project as ROOT BARRIER.
- 9.07.2. <u>DESCRIPTION</u>. Under these Items, the Contractor shall furnish and install WEED BARRIER and ROOT BARRIER in accordance with the plans and specifications, as directed by the Engineer.
- 9.07.3. <u>MATERIALS</u>, <u>WEED BARRIER</u>: All WEED BARRIER shall be non-woven geotextile and shall be synthetic and rot proof. It shall be manufactured for the purpose of providing a weed protection barrier.
  - (A) Definition: Weed protection application is defined as the horizontal placement of a flexible porous geotextile under pavers and/or landscape mulch to inhibit weed growth at the landscape surface.
  - (B) Weed Barrier shall be a one hundred percent (100%) polypropylene woven or non woven spun bond fabric with UV inhibitors. The fabric shall prevent weed germination and reduce maintenance while allowing water, herbicides and fertilizers to pass through. The fabric shall demonstrate the following minimum characteristics: having a minimum ASTM D-4491 water permeability of 12 gallons per minute per square foot; ASTM D-4632 Tensile Strength of 95; and an ASTM D-4355 Ultraviolet Exposure of 70% strength retained after 150 hours of exposure.
  - (C) PRODUCT SUPPLIERS:
    - 1) Architect's Choice 295 Series; Ground Cover Industries, Inc.; Warnerville, IL 1-800-550-4424
    - 2) WB Pro Black 3 oz Fabric; DeWitt Company, Sikesone, MO 63801 1-800-888-9669
    - Mirafi MSCAPE Geosynthetic; TenCate Co. Pendergrass, GA 800-685-9990; www.mirafi.com;
- 9.07.4. <u>MATERIALS</u>, <u>ROOT BARRIER</u>: All ROOT BARRIER shall be High Density Polyethylene geomembrane and shall be synthetic and rot proof. It shall be suitable for the purpose of providing a root protection barrier.
  - (A) Definition: Root protection application is defined as the horizontal or vertical placement of a High Density Polyethylene (HDPE) geomembrane under or alongside planting areas to inhibit root growth and penetration beyond the designated planting area especially where such growth would interfere with structures.
  - (B) High Density Polyethylene (HDPE) geomembrane Root Barrier. Thickness (minimum average): 40 mil/1.00 mm. HDPE Root Barrier specifications to meet or exceed GRI GM 13.
  - (C) PRODUCT SUPPLIERS:

- 1) GPS HDPE Root Barrier 40 mil; Global Plastic Sheeting, 1331 Specialty Drive, Vista, CA 92081 (760) 597-9298;
- 2) Root Barrier VR; Tremco, 3735 Green Road, Beachwood, OH 44122 (800) 562-2728;
- 3) 40 mil Root Barrier; Americover Inc, 2067 Weinridge Place, Escondio, CA 09029 (800) 747-6095.

# 9.07.5. **SUBMITTALS**.

- (A) Submittals: All submittals shall be submitted in accordance with the requirements of the contract. The Contractor shall submit the following for the Engineer's review and approval prior to purchase:
  - 1. Manufacturer's Data: The Contractor shall submit manufacturer's data with sufficient detail to demonstrate compliance with the requirements of this specification.
    - 1. Samples: The Contractor shall furnish the required number of samples of the weed or root protection material for use in the work for approval and the Engineer's use, but not less than two samples 8" x 8". The label shall include the manufacturer's product name, the type of fabric, and the weight of grade of the material.
    - 2. Certification: Provide the manufacturer's certificate stating the name, product name, style number, chemical composition and other pertinent information to fully describe the product.
    - 3. Manufacturer's installation guidelines.
    - 4. Material Safety Data Sheet for active ingredients.

# 9.07.6. DELIVERY, STORAGE AND HANDLING

- (A) Delivery, Storage and Handling:
  - 1. Deliver materials to site in manufacturer's original, unopened packaging, with labels clearly identifying product name and manufacturer, style number and roll number and including a compliance statement certifying that all ingredients and inspection standards for the product have been met.
  - 2. Materials shall be protected from damage due to shipment, water, sunlight, and contaminants. The protective wrapping shall be maintained during periods of shipment and storage.
  - 3. During storage, product shall be elevated off the ground and out of direct sunlight.

- 4. Handling: Protect materials during handling and installation to prevent damage.
- 5. Either mislabeling or misrepresentation of materials shall be reason to reject those products.

# (B) Examination:

1. Examine subgrade areas to receive weed barrier or root barrier. Notify Engineer if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

# (C) Installation Weed Barrier:

- 1. Install non-woven, geotextile in accordance with manufacturer's instructions at locations indicated on the Drawings.
- 2. Areas where weed barrier fabric is to be installed shall be smooth, firm, stable and free of rocks, clods, foliage, roots, trash, debris or other material that will prevent the matting from lying in direct contact with the soil surface. The landscape fabric shall be placed where shown in the contract documents and as required by the manufacturer. Fabric shall overlap by six inches and be pinned into position using landscape wire stables 3" long with stables placed a minimum of six feet on center.
- 3. The woven or non-woven geotextile shall be rolled directly on the ground. All seams shall be overlapped approximately six (6") inches. When joining two pieces of geotextile, be sure they do not become separated at any point.
- 4. Seaming can be accomplished by using construction adhesive and/or overlapping. Sod pins may also be used for seams, but make sure there are no gaps.
- 5. Secure fabric with pins every six feet on center.
- 6. Do not allow gaps in fabric during installation or backfilling.
- 7. No equipment, materials or machinery shall be placed on or be transported over exposed geotextile.

# D) Installation Root Barrier:

- 1. Install High Density Polypropylene in accordance with manufacturer's instructions at locations indicated on the Drawings.
- 2. Areas where root barrier material is to be installed shall be smooth, firm, stable and free of rocks, clods, foliage, roots, trash, debris or other material that will prevent the geomembrane from lying in direct contact with the subgrade surface. The material shall be placed where shown in the contract documents and as required by the manufacturer.
- 3. The material shall be rolled directly on the ground. All seams shall be overlapped approximately six (6") inches. When joining two pieces of geomembrane, be sure they do not become separated or form gaps at any point.

- 4. Place topsoil and/or structural soil as shown on the plans and as directed by the Engineer shall then be carefully placed to prevent dislocation of the geomembrane. If the material is damaged during installation, the rupture shall be removed and the damaged area shall be covered with a patch of new material that will overlap the undamaged fabric approximately six (6") inches in all directions. All repaired material surface costs will be deemed part of the price bid.
- 5. Cost of the Topsoil shall pay separately under Item No.4.15 and the cost of Structural Soil shall pay separately under Item No. 4.15 SS.

9.07.7. <u>MEASUREMENT</u>. The quantity of WEED BARRIER and ROOT BARRIER to be paid for shall be the number of SQUARE YARDS of each type required, measured in its final position, furnished and installed in accordance with the plans and specifications and the directions of the Engineer.

9.07.8. <u>PRICE TO COVER.</u> The price bid shall be a unit price per SQUARE YARD of each type installed and shall include the cost of furnishing all labor, material, equipment, insurance, submittals, and incidental expenses necessary to complete the work in accordance with the plans and specifications and to the satisfaction of the Engineer.

# Payment will be made under:

Item No.	Item	Pay Unit
9.07 AWB	NON-WOVEN GEOTEXTILE – WEED BARRIER	S.Y.
9.07 ARB	NON-WOVEN GEOTEXTILE – ROOT BARRIER (HDPE)	S.Y.

# SECTION HW-907 ALLOWANCE FOR INCIDENTAL ASBESTOS ABATEMENT

#### 1.1. General

The Contractor shall be required to hire an Asbestos Abatement Subcontractor to remove asbestos containing materials as needed to perform this work when discovered during the course of the contract work.

# 1.1.1 Attachments:

- a) SECTION 028013.
- b) FINAL REPORT OF ASBESTOS SERVEY SERVICES.

# 1.2. Work Included

The work includes the furnishing and installing of all materials as specified in the attached Sections 028013 – GENERAL CONSTRUCTION WORK ALLOWANCE FOR INCIDENTAL ASBESTOS ABATEMENT.

# 1.3. Post-Bid Submittals

The successful low bidder shall be required to submit the following within 30 days of award:

- Evidence of meeting the qualifications described in the attached Section 028013.
- This information shall, in sufficient detail, demonstrate that the Contractor or Subcontractor who will be performing this work fully understands the equipment requirements and nature of the work to be performed under this contract. All submissions made by the Contractor will be subject to review and approval by the Engineer.

# 1.4. Measurement and Payments:

The quantities to be measured for payment shall be in accordance with the attached SECTION 0280313 – GENERAL CONTRACTOR WORK, ALLOWANCE FOR INCIDENTAL ASBESTOS ABATEMENT.

# 1.5. Method of Payment

Payment will be made under:

Item No. Item Pay Unit

HW-907 ALLOWANCE FOR INCIDENTAL ASBESTOS ABATEMENT F.S.

# SECTION 028013 – GENERAL CONTRACTOR WORK ALLOWANCE FOR INCIDENTAL ASBESTOS ABATEMENT

# 1.01 SCOPE FOR ASBESTOS ABATEMENT WORK

- A. The "General Conditions" apply to the work of this Section.
- B. The Asbestos abatement contractor shall remove asbestos containing materials as needed to perform the other work of this Contract when discovered during the course of work. When required, the Asbestos abatement contractor shall replace the ACM with non-asbestos containing materials. An allowance of \$15,000.00 for the General Contractor is herein established for this incidental work when so ordered and authorized by the Commissioner.
- C. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE RULES AND REGULATIONS OF THE ASBESTOS CONTROL PROGRAM AS PROMULGATED BY TITLE 15 CHAPTER I OF RCNY AND NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE 56 CITED AS 12 NYCRR, PART 56 WHICHEVER IS MORE STRINGENT AS PER LATEST AMENDMENTS TO THESE LAWS AND AS MODIFIED HEREIN BY THESE SPECIFICATIONS.
- D. ALL DISPOSAL OF ASBESTOS CONTAMINATED MATERIAL SHALL BE PER LOCAL LAW 70/85.
- E. THE ASBESTOS ABATEMENT CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT CERTAIN METHODS OF ASBESTOS ABATEMENT ARE PROTECTED BY PATENTS. TO DATE, PATENTS HAVE BEEN ISSUED WITH RESPECT TO "NEGATIVE PRESSURE ENCLOSURE" OR "NEGATIVE-AIR" OR "REDUCED PRESSURE" AND "GLOVE BAG".
- F. THE ASBESTOS ABATEMENT CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND SHALL HOLD THE DEPARTMENT OF DESIGN AND CONSTRUCTION AND THE CITY HARMLESS FROM ANY AND ALL DAMAGES, LOSSES AND EXPENSES RESULTING FROM ANY INFRINGEMENT BY THE ASBESTOS ABATEMENT CONTRACTOR OF ANY PATENT, INCLUDING BUT NOT LIMITED TO THE PATENTS DESCRIBED ABOVE, USED BY THE ASBESTOS ABATEMENT CONTRACTOR DURING PERFORMANCE OF THIS AGREEMENT.
- G. "Asbestos" shall mean any hydrated mineral silicate separable into commercially usable fibers, including but not limited to chrysotile (serpentine), amosite (cumingtonite-grunerite), crocidolite (riebeckite), tremolite, anthrophyllite and actinolite.

**DECEMBER 2012 VERSION** 

028013-1

H. Prior to starting, the Asbestos abatement contractor must notify the Commissioner of the Department of Design and Construction if he/she anticipates any difficulty in performing the Work as required by these Specifications. The Asbestos abatement contractor is responsible to prepare and submit all filings, notifications, etc. required by all City, State and Federal regulatory agencies having jurisdiction.

The Asbestos abatement contractor is responsible for submitting the Asbestos Project Notification Form (ACP-7 Form) to the Department of Environmental Protection, Asbestos Control Program, as per Title 15, Chapter I of RCNY and to the NYSDOL as per Industrial Code Rule 56.

The Asbestos abatement contractor is responsible for preparing, and submitting Asbestos Variance Application (ACP-9). If a Variance is required, the Asbestos abatement contractor is responsible to retain a NYSDOL Asbestos Project Designer, as defined in Title 15, Chapter 1 of the RCNY to prepare and submit the required variance.

The Asbestos abatement contractor is responsible for preparing and submitting an Asbestos Abatement Permit and/or Work Place Safety Plans (WPSP) that may be required for the completion of the Contract or incidental work. If such plans are required, the Asbestos abatement contractor is responsible to retain a NYSDOL Licensed Design Professional as defined in Title 15, Chapter 1 of the RCNY to prepare and submit the required plans.

The Asbestos abatement contractor is responsible for the submission of all required documents to the NYCDEP to acquire the appropriate Asbestos Project Conditional Closeout (ACP-20) and/or Asbestos Project Completion Forms (ACP-21) on a timely basis for the completion of the incidental work encountered under this contract.

The Asbestos abatement contractor will be required to attend an on-site job meeting with the Construction Project Manager prior to the start of work to examine conditions and plan the sequence of operations, etc.

The Asbestos abatement contractor shall have a NYSDOL/NYCDEP Asbestos Supervisor onsite to oversee the work and conduct a final visual inspection as required by both Title 15, Chapter 1 of the RCNY and NYSDOL Industrial Code Rule 56.

I. All work shall be done during regular working hours unless the Asbestos abatement contractor requests authorization to work in other then regular working hours and such authorization is granted by the Commissioner. (Regular work hours are those hours during which any given facility, in which work is to be done, is customarily open and functioning, normally between the hours of 8:00 A.M. and 4:00 P.M. Monday - Friday.) If such work schedule is authorized by the Commissioner, the work shall be done at no additional cost to the City.

**DECEMBER 2012 VERSION** 

028013-2

J. The Commissioner may <u>order</u> that work be done in other than regular working hours as herein by defined and this order may require the Asbestos abatement contractor to pay premium or overtime wages to complete the work. If the Commissioner orders work in other than regular working hours, the Asbestos abatement contractor shall multiply the unit price for that portion of the work requiring premium wages by 1.50 when computing payment in accordance with Paragraph 1.09. All requests for premium payment must be supported by certified payroll sheets and field sheets approved by the Construction Project Manager.

# 1.02 QUALIFICATIONS OF ASBESTOS ABATEMENT CONTRACTOR

- A. Requirements: The asbestos abatement contractor must demonstrate compliance with the special experience requirements set forth in subparagraphs (1) through (5) below. The asbestos abatement contractor must, submit documentation demonstrating compliance with all listed requirements. Such documentation shall include without limitation, all required licenses, certificates, and documentation.
  - The asbestos abatement contractor must, whether an individual, corporation, partnership, joint venture or other legal entity, must demonstrate for the three year period prior to the work, that it has been licensed by the New York State Department of Labor, as an "Asbestos abatement contractor".
  - 2. The asbestos abatement contractor must, for the three year period prior to the work, have been in the business of providing asbestos abatement services as a routine part of its daily operations.
  - 3. The asbestos abatement contractor proposing to do asbestos abatement work must be thoroughly experienced in such work and must provide evidence of having successfully performed and completed in a timely fashion at least five (5) asbestos abatement projects of similar size and complexity. The aggregate cost of these projects must be at least \$250,000.00 in each of the three years.
  - 4. For each project submitted to meet the experience requirements set forth above, the asbestos abatement contractor must submit the following information for the project; name and location of the project; name title and telephone number of the owner or the owner's representative who is familiar with the asbestos abatement contractor's work, brief description of the work completed as a prime or sub-asbestos abatement contractor; amount of contract or subcontract and the date of completion.
  - 5. The asbestos abatement contractor must demonstrate that it has the financial resources, supervisory personnel and equipment necessary to carry out the work and to comply with the required performance schedule, taking into consideration other business commitments. The asbestos

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abatement contractor must submit such documentation as may be required by the Department of Design and Construction to demonstrate that it has the requisite capacity to perform the required services of this contract.

- B. Insurance Requirements: The asbestos abatement contractor must provide asbestos liability insurance in the following amount: 1 million dollars per occurrence, 2 million dollars aggregate (combined single limit). The City of New York shall be named as an additional insured on such insurance policy.
- C. Throughout the specifications, reference is made to codes and standards which establish qualities and types of workmanship and materials, and which establish methods for testing and reporting on the pertinent characteristics thereof.

# 1.03 <u>ASBESTOS ABATEMENT CONTRACTOR RESPONSIBILITIES</u>

The Asbestos abatement contractor will visit the subject location within one (1) working day of notification to ascertain actual work required. If the project is identified as being "urgent", then work shall commence no later than 48 hours from the time of notification. In this event, the asbestos abatement contractor shall immediately notify when applicable EPA NESHAPS Coordinator, NYSDOL Asbestos Control Bureau and NYCDEP Asbestos Control Program of start of the work and file the necessary Asbestos Notifications and any applicable Variance Applications with the regulatory agencies cited above.

In the event that the project is not classified as "urgent" the Asbestos abatement contractor shall notify the EPA NESHAPS Coordinator, NYSDOL and NYCDEP by submitting the requisite asbestos project notification forms, postmarked 10 days before activity begins if 260 linear feet or more and/or 160 square feet or more of asbestos containing material will be disturbed.

The following information must be included in the notification:

- Name and address of building City or operator;
- B. Project description:
  - 1. Size square feet, number of linear feet, etc;
  - 2. Age date of construction and renovations (if known);
  - 3. Use i.e., office, school, industrial, etc.
  - 4. Scope repair, demolition, cleaning, etc.
- Amount of asbestos involved in work and an explanation of techniques used to determine the amount;

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- D. Building location/address, including Block and Lot numbers;
- E. Work schedule including the starting and completion dates;
- F. Abatement methods to be employed;
- G. Procedures for removal of asbestos-containing material;
- H. Name, title and authority of governmental representative sponsoring project.

# 1.04 WORK INCLUDED IN UNIT PRICE

The Asbestos abatement contractor will be paid a basic unit price of \$25.00 per square feet for the removal and disposal of asbestos containing material and replacement of the same with non-asbestos containing materials.

Unit price shall include all costs necessary to do the work of this Contract, including but not limited to: labor, materials, equipment, utilities, disposal, insurance, overhead and profit.

# 1.05 AIR MONITORING - ASBESTOS ABATEMENT CONTRACTOR

- A. "Air Sampling" shall mean the process of measuring the fiber content of a known volume of air collected during a specific period of time. The procedure utilized for asbestos follows the N1OSH Standard Analytical Method 7400 or the provisional transmission electron microscopy methods developed by the USEPA and/or National Institute of Standard and Technology which are utilized for lower detectability and specific fiber identification.
- B. Air monitoring of Asbestos abatement contractor's personnel will be performed in conformance with OSHA requirements, (All costs associated with this work are deemed included in the unit price.).
- C. Qualifications of Testing Laboratory:

The industrial hygiene laboratory shall be a current proficient participant in the American Industrial Hygiene Association (AIHA) PAT Program. The laboratory identification number shall be submitted and approved by the City. The laboratory shall be accredited by the AIHA and New York State Department of Health Environmental Laboratory Approval Program (ELAP).

Note: Work area air testing and analysis before, during and upon completion of work (clearance testing) will be performed by a Third Party Air Monitor under separate Contract with the City.

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# 1.06 THIRD PARTY MONITORING AND LABORATORY

- A. The NYCDDC, at its own expense, will employ the services of an independent Third Party Air Monitoring Firm and Laboratory. The Third Party Air Monitor will perform air sampling activities and project monitoring at the Work Site.
- B. The Laboratory will perform analysis of air samples utilizing Phase Contrast Microscopy (PCM) and/or Transmission Electron Microscopy (TEM).
- C. The Third Party Air Monitoring Firm and the designated Project Monitor shall have access to all areas of the asbestos removal project at all times and shall continuously inspect and monitor the performance of the Asbestos abatement contractor to verify that said performance complies with this Specification. The Third-Party Air Monitor shall be on site throughout the entire abatement operation.
- D. The NYCDDC will be responsible for costs incurred with the Third Party Air Monitoring Firm and laboratory work. Any subsequent additional testing required due to limits exceeded during initial testing shall be paid for by the Asbestos abatement contractor.

# 1.07 PAYMENT REQUEST DOCUMENTATION

- B. The following information shall be included for each payment request:
  - 1. Description of work performed.
  - Linear footage and pipe sizes involved.
  - 3. Square footage for boiler & breaching insulation removed.
  - 4. Square footage of non pipe and boiler areas removed, patched, enclosed, sealed, or painted.
  - 5. Square footage of encapsulation, sealing, patching, and painting involved.
  - 6. Total cost associated with compliance with the assigned task.
  - Architectural, Electrical, HVAC, Plumbing, etc. work incidental to the Asbestos Abatement Work.
  - 8. A certified copy (in form 4312-39) to the Comptroller or Financial Officer of the New York City to the effect that the financial statement is true.
  - 9. A signed copy (in form 6506q-6) of certificate of compliance with non-discriminatory provisions of the Contract.

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- 10. Attach a copy of valid workmen compensation insurance.
- 11. Valid asbestos insurance per occurrence.
- 12. General liability insurance when required.
- C. Each payment request shall include a grand total for all work completed that billing period, the landfill waste manifests and a copy of waste transporter permit. The Department of Design and Construction will inspect the work performed, review the cost and approve or disapprove requests for payment.
- D. EXPOSURE LOG: With this final payment, the Asbestos abatement contractor shall submit a listing of the names and social security numbers of all employees actively engaged in the abatement work of this Contract. This list shall include a summary showing each part of the abatement work in which the employee was engaged and the dates thereof.

# 1.08 QUANTITY CALCULATIONS

In order to determine the square footage involved for the various pipe sizes of pipe insulation that might be encountered, the following table is to be used.

PIPE INSULATION	PIPE SIZE	SQUARE FOOTAGE
SIZE O.D.	O.D.	PER LINEAR FOOT
2-1/2"	1/2"	0.65
2-3/4"	3/4"	0.72
3"	1"	0.79
3-1/4"	1-1/4"	0.85
3-1/2"	1-1/2"	0.92
4"	2"	1.05
4-1/2"	2-1/2"	1.18
5"	3"	1.31
6"	3-1/4"	1.57
7"	3-1/2"	1.83
8"	4"	2.09
9"	5"	2.36
10"	6"	2.62
12"	8"	3.14
14"	10"	3.67
16"	12"	4.19
18"	14"	4.71
		1. / A

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# 1.09 METHOD OF PAYMENT

Payment shall be made in accordance with Items A through R below. Payment shall be calculated based on the actual quantity of the item performed by the asbestos abatement contractor, times the unit price specified below. Credits may apply to certain times, as specified below.

A. REMOVAL, DISPOSAL AND REPLACEMENT OF ASBESTOS CONTAINING PIPE INSULATION: Actual linear footage, multiplied by the square footage factor listed for the respective pipe size in Section 1.09, multiplied by the unit price in Section 1.05.

EXAMPLE: 100 lin.ft. of 1/2" pipe and 100 lin.ft. of 6" pipe, including elbows, tees. Flanges, etc.

 $100 \times 0.65 = 65 \text{ sq.ft.}$ 

65 x unit price = Payment

100 X 2.62 = 262 sq.ft.

262 x unit price = Payment

B. REMOVAL, DISPOSAL AND REPLACEMENT OF BOILER INSULATION: (all types including Silicate Block and including the removal/replacement of metal jacketing) Payment shall be made at 1.5 times the unit price per square foot.

EXAMPLE: Item B. removal and replacement of 1000 S.F. of boiler insulation (incl. Silicate block)

1000 S.F. X (1.5) X the Unit Price = Payment

- C. REMOVAL, DISPOSAL AND REPLACEMENT OF TANK INSULATION: (all types including removal/replacement of metal jacketing) Payment shall be made at 1.5 times the unit price per square foot.
- D. REMOVAL, DISPOSAL AND REPLACEMENT OF BOILER UPTAKE, & BREACHING INSULATION: (all types including stiffening angles and wire lath) Payment shall be made at 2.0 times the unit price per square foot.
- E. REMOVAL, DISPOSAL AND REPLACEMENT OF DUCT INSULATION: Payment shall be made at 1.0 times the unit price per square foot.
- F. REMOVAL, DISPOSAL AND REPLACEMENT OF SOFT ASBESTOS CONTAINING MATERIAL: (Including sprayed-on fire proofing and sound proofing) Payment shall be made at 1.0 times the unit price per square foot of surface area. Area of irregular surfaces must be calculated and confirmed with DDC representative.
- G. ACOUSTIC PLASTER REPAIR AND/OR ENCAPSULATION: Payment shall be made at 0.5 times the unit price per square foot.

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- H. PATCHING OR REPAIR of items listed in A through F will be paid at 0.33 times the unit price per square foot.
- I. REMOVAL, DISPOSAL AND REPLACEMENT OF WATERPROOFING ASBESTOS CONTAINING MATERIAL: (including friable and non-friable waterproofing material from interior and exterior walls, floors, foundations, penetrations, louvers, vents and openings other than windows, doors and skylights) Payment shall be made at 0.5 times the unit price per square foot.
- J. REMOVAL, DISPOSAL AND REPLACEMENT OF ASBESTOS CONTAINING ELECTRICAL WIRING INSULATION: (including friable and non-friable wiring insulation) Payment shall be made at 0.33 times the unit price per square foot.
- K. PAINTING: Payment shall be made at 0.05 times the unit price per square foot.
- L. REMOVAL AND DISPOSAL OF ASBESTOS-CONTAINING PLASTER: from ceilings and walls, including any wire lath and disposal as asbestos containing waste. Payment shall be made at 0.80 times the unit price per square foot.
- M. REMOVAL AND DISPOSAL OF ASBESTOS-CONTAINING FLOOR TILES, CEILING TILES, TRANSITE PANELS: (including any adhesive, glue, mastic and/or underlayment) and disposal as asbestos containing waste. Payment shall be made at 0.40 times the unit price per square foot. If multiple layers are discovered, each additional layer shall be paid at 0.20 times the unit price per square foot.
- N. ADDITIONAL CLEAN UP/HOUSEKEEPING OF WORK AREA: (excluding pre-cleaning of work area required by regulations) HEPA vacuuming and wet cleaning of asbestos contaminated surface. Payment shall be made at 0.20 times the unit price per square foot. When GLOVE BAG is employed to remove ACM, cost of HEPA vacuuming and wet cleaning of floor area up to 3 feet on each side of glove-bag shall be included in unit price and no extra payment will be made.
- O. REMOVAL, DISPOSAL OF ASBESTOS-CONTAINING ROOFING MATERIAL: including mastic, flashing and sealant compound and provide temporary asbestos-free roof covering consisting of one layer of rolled roofing paper sealed with asphaltic roofing compound. Payment shall be made at 0.8 times the unit price per square foot. Credit at a rate of 0.33 times the unit price will be taken for each square foot of temporary roof covering which the Asbestos abatement contractor is directed not to install.
- P. PICK-UP AND DISPOSAL OF GROSS DEBRIS: (excluding any waste generated from abatement under Item A-R) at a rate of \$150 per cubic yard for asbestos contaminated waste and \$75 per cubic yard for non-asbestos

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contaminated waste. This cost includes all labor and material cost associated with work.

- Q. REMOVAL OF ASBESTOS-CONTAINING BRICK, BLOCK, MORTAR, CEMENT OR CONCRETE: along with all surfacing materials including wire lath and/or other supporting structures and disposal as ACM waste. Payment shall be made at a rate of \$25.00 per cubic foot of material removed.
- R. REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING WINDOW/DOOR CAULKING: including friable and non-friable caulking, weather-stripping, glazing, sealants or other waterproofing materials applied to windows, doors, skylights, etc. Payment shall be made at the rate of \$400.00 per opening regardless of size or configuration. This cost includes labor, consumable materials, set-up/breakdown, removal and disposal, as required.

Note 1: CREDIT: For items listed in A through F, a credit at a rate of 0.33 times the unit price, times the respective multiplier (for each item) will be taken for each square foot of insulation which the asbestos abatement contractor is not directed to reapply.

Note 2: MINIMUM PAYMENT: The minimum payment per call at any individual job sites or various job sites during the same day will be eight hundred dollars (\$800.00).

Note 3: All payments shall be made as described in paragraph 1.09 herein.

Note 4: WORKING HIGHER THAN 12 FEET ABOVE FLOOR LEVEL OR WORK REQUIRING COMPLEX SCAFFOLDING OR CONSTRUCTION WORK PLATFORMS: Provisions are made in this Contract to compensate the Asbestos abatement contractor for work performed in locations that are difficult to access due to work at elevations that are significantly higher than the normal work level. The unit price for these items will be paid at 1.20 times the unit price described in Paragraphs 1.09, A through R for those portions of the work that are more than twelve (12) feet above the grade for that would be judged as the normal working level.

#### 1.10 GUARANTEE

- A. Work performed in compliance with each task shall be guaranteed for a period of one year from the date the completed work is accepted by the Department of Design and Construction.
- B. The Commissioner of The Department of Design and Construction will notify the Asbestos abatement contractor in writing regarding defects in work under the guarantee.

# 1.11 OCCUPANCY OF SITE NOT EXCLUSIVE

Attention is specifically drawn to the fact that contractors, performing the work of other Contracts, may be brought upon any of the work sites of this Contract. Therefore, the

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Asbestos abatement contractor shall not have exclusive rights to any site of his work and shall fully cooperate and coordinate his work with the work of other contractors who may be brought upon any site of the work of this Contract. This paragraph applies to those areas outside the regulated Work Area as defined by Title 15, Chapter I of RCNY.

# 1.12 SUBMITTALS

# A. Pre-Construction Submittals:

- Attend a pre-construction meeting scheduled by the City of New York
  Department of Design and Construction. This meeting shall also be
  attended by a designated representative of the City of New York third party
  air monitoring firm, facility manager and the Construction Project
  Manager. At this meeting, the Asbestos abatement contractor shall present
  three copies of the following items:
  - Asbestos abatement contractor's scope of work, work plan and schedule.
  - b. Asbestos project notifications, approved variances and plans to Government Agencies.
  - c. Copies of Permits, clearance and licenses if required.
  - d. Schedules: the Asbestos abatement contractor shall provide to the Construction Project Manager a copy of the following schedules for approval. Once approved, schedules shall be maintained and updated as received. Asbestos abatement contractor shall post a copy of all schedules at the site:
    - (1) A construction schedule stating critical dates of the project including, but not limited to, mobilization, Work Area preparation, demolition, gross removal, fine cleaning, encapsulation, inspections, clearance monitoring, and phase of refinishing and final inspections. The schedule shall be updated biweekly, at a minimum.
    - (2) A schedule of staffing stating number of workers per shift per activity, name and number of supervisor(s) per shift, shifts per day, and total days to be worked.
    - (3) Submit all changes in schedule or staffing to the Construction Project Manager prior to implementation.

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- e. Written description of emergency procedures to be followed in case of injury or fire. This section must include evacuation procedures, source of medical assistance (name and telephone number to nearest hospital) and procedures to be used for access by medical personnel (examples: first aid squad and physician). NOTE: Necessary Emergency Procedures Shall Take Priority Over All Other Requirements of These Specifications.
- f. Material Safety Data Sheets (MSDS) for encapsulants, sealants, firestopping foam, cleaners/disinfectants, spray adhesive and any and all potentially hazardous materials that may be employed on the project. No work involving the aforementioned will be allowed to proceed until MSDS are reviewed.
- g. Worker Training and Medical Surveillance: The Asbestos abatement contractor shall submit a list of the persons who will be employed by him /her to perform the removal work. Present evidence that workers have received proper training required by the regulations and the medical examinations required by OSHA 29 CFR 1926.1101.
- Logs: Specimen copies of daily progress log, visitor's log, and disposal log.
  - (1) The Asbestos abatement contractor shall provide a permanently bound log book of minimum 8-1/2" x 11" size at the entrance to the Worker and Waste Decontamination enclosure system as hereinafter specified. Log book shall contain on title page the project name, name, address and phone number of the Asbestos abatement contractor; name, address and phone number of Asbestos abatement contractor and City's third party air monitoring firm; emergency numbers including, but not limited to local Fire/Rescue Department. Log book shall contain a list of personnel approved for entry into the Work Area.
  - (2) All entries into the log shall be made in non-washable, permanent ink and such pen shall be strung to or otherwise attached to the log to prevent removal from the log-in area. Under no circumstances shall pencil entries be permitted. Any significant events occurring during the abatement project shall be entered into the log. Upon completion of the job, the Asbestos abatement contractor shall submit the logbook containing a day-to-day record of personnel log entries countersigned by the Construction Project Manager every day.

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 Worker's Acknowledgments: Submit statements signed by each employee that the employee has received training in the proper handling of ACM, understands the health implications and risks involved; and understands the use and limitations of the respiratory equipment to be used.

# B. During Construction Submittals:

- Security and safety logs showing names of person entering workspace, date and time of entry and exit, record of any accident, emergency evacuation, and any other safety and/or health incident.
- Progress logs showing the number of workers, supervisors, hours of work and tasks completed shall be submitted daily to the Construction Project Manager.
- Floor plans indicating Asbestos abatement contractor's current work progress shall be submitted for review by the Construction Project Manager.
- 4. All Asbestos abatement contractors' air monitoring and inspection results.

# C. Project Closeout Submittals:

Upon completion of the project and as a condition of acceptance, the Asbestos abatement contractor shall present two copies of the following items, bound and indexed:

- 1. Lien Waivers from Asbestos abatement contractor, Sub-Asbestos abatement contractors and Suppliers,
- 2. Daily OSHA air monitoring results,
- All Waste Manifests (Asbestos and Construction Debris), seals and disposal logs,
- 4. Field Sign-In/Sign-Out Logs for every shift,
- 5. Copies of all Building Department Forms and Permits,
- A Letter of Compliance stating that all the work on this project was performed in accordance with the Specifications and all applicable Federal, State and Local regulations,
- 7. All Warranties as stated in the Specifications,
  - Fully executed disposal certificates and transportation manifest.

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- 8. Project Record: The Asbestos abatement contractor shall maintain a project record for all small and large asbestos projects. During the project, the project record shall be kept on site at all times. Upon completion of the project, the project record shall be maintained by the building owner. The project record shall be submitted to DDC as part of the close out documents. The project record shall consist of:
  - a. Copies of licenses of all asbestos abatement contractors involved in the project;
  - b. Copies of NYCDEP and NYSDOL supervisor and handler certificates for all workers engaged in the project;
  - Copies of all project notifications and reports filed with NYCDEP, NYSDOL and USEPA for the project, with any amendments or variances;
  - d. Copies of all asbestos abatement permits, including associated approved plans and work place safety plan;
  - e. A copy of the air sampling log and all air sampling results;
  - f. A copy of the abatement asbestos abatement contractor's daily log book;
  - g. Copies of all asbestos waste manifests;
  - h. A copy of all Project Monitor's Reports (ACP-15).
  - A copy of each ATR-1 Form completed for the asbestos project (if required).
  - A copy of each Asbestos Project Conditional Closeout Report (ACP-20) if required.
  - k. A copy of the Asbestos Project Completion Form (ACP-21).

# 1.13 PROTECTION OF FURNITURE AND EQUIPMENT

Cover all furniture and equipment that cannot be removed from Work Areas. Movable furniture and equipment will be removed from Work Areas by the Asbestos abatement contractor prior to start of work. At the conclusion of the work (after final air testing), the Asbestos abatement contractor will remove all plastic covering on walls, floors, furniture, equipment and reinstall furniture and equipment. He shall remove and store all sheaths, curtains and drapes, and reinstall same following final clean up.

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# 1.14 <u>UTILITIES</u>

#### A. General:

All temporary facilities shall be subject to the approval of the Commissioner. Prior to starting work at any site, locations and/or sketches (if required) of temporary facilities must be submitted to the Construction Project Manager for the required approval.

#### B. Water:

The Department of Design and Construction will furnish all water needed for construction, at no cost to the Asbestos abatement contractor in buildings under their jurisdiction. However, it is the responsibility of the Asbestos abatement contractor to ensure that hot water is provided for showering in the decontamination unit. The Asbestos abatement contractor shall furnish, install and maintain any needed equipment to meet these requirements at his own expense.

#### C. Electricity:

The Department of Design and Construction will furnish all electricity needed for construction, at no cost to the Asbestos abatement contractor in a building, under their jurisdiction. The Asbestos abatement contractor is responsible for routing the electric power to the abatement Work Area.

All temporary lighting and temporary electrical service for Work Area shall be in weatherproof enclosures and be ground fault protected.

D. In leased spaces, arrangements for water supplies and electricity must be made with the landlord. However, all such arrangements must be made through and are subject to approval of the Department of Design and Construction. Utilities will be provided at no cost to the Asbestos abatement contractor. However, it is the Asbestos abatement contractor's (or the General contractor's) responsibility to furnish and install a suitable distribution system to the Work Area. This system will be provided at no cost to the City.

# 1.15 **FEES**

The Asbestos abatement contractor shall be responsible for any and all fees or charges imposed by Local, State or Federal Law, Rule and Regulation applicable to the work specified herein, including fees or charges which may be imposed subsequent to the date of the Bid opening.

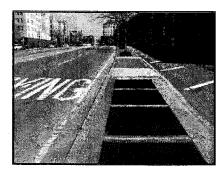
#### **END OF SECTION**

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# FINAL REPORT OF ASBESTOS SURVEY SERVICES

# RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS GRAND CONCOURSE BETWEEN 166<sup>TH</sup> AND 171<sup>ST</sup> STREET BRONX, NY 10452



# Prepared For:



# Bureau of Environmental & Geotechnical Services 30-30 Thomson Avenue, 5<sup>th</sup> Floor Long Island City, New York 11101

# Prepared By:



Louis Berger & Assoc., P.C. 48 Wall Street, 16<sup>th</sup> Floor New York, New York 10005

Final Submission Date: 05/20/13

DDC Capital Project Number: HWXP136A Work Order Letter Number: 8889-LBA-3-8452

Task No. 8889

LBA's Project Number: SPC870V3

Contract Registration Number: 20101417626 Contract Registration Date: April 15, 2010





Louis Berger & Assoc., PC
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May 20, 2013

Mr. Jean M. Jean-Louis
Director
Bureau of Environmental & Geotechnical Services
City of New York Department of Design and Construction
30-30 Thomson Avenue, 5<sup>th</sup> Floor
Long Island City, New York 11101

Subject:

Final Report of Asbestos Survey Services Reconstruction of Grand Concourse Service Roads Grand Concourse between 166<sup>th</sup> and 171<sup>st</sup> Street

**Bronx, NY 10452** 

LBA's PROJECT NO. SPC870V1

Dear Jean-Louis:

Louis Berger & Assoc., P.C. (LBA) has completed a building material survey for the Reconstruction of Grand Concourse Service Roads, located at Grand Concourse between 166th and 171st Street, Bronx, NY 10452. The survey included visual observation, material sampling, and laboratory sample analysis of suspect ACM materials.

The attached report presents descriptions and results of the material sampling procedures, and analysis. Relevant general project information is provided, followed by our findings, assessments and recommendations. Laboratory analysis data and certifications are provided in the Appendices.

If you have any questions concerning this report or if we may be of further assistance to you, please contact us.

Sincerely,

LOUIS, BERGER & ASSOC., P.C. (LBA)

Prakash K. Saha

Manager, Environmental Services



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## 1.0 EXECUTIVE SUMMARY

Louis Berger & Assoc., P.C. (LBA) has performed a renovation specific inspection for the presence or absence of Asbestos-Containing Materials (ACM) for the Reconstruction of Grand Concourse Service Roads, located at Grand Concourse between 166th and 171st Street, Bronx, NY 10452. The survey was conducted at the request of the City of New York Department of Design and Construction (NYC DDC) for the Reconstruction of Grand Concourse Service Roads Project. The intent of this survey was to locate, identify and quantify asbestos containing materials that will be impacted during the Reconstruction of Grand Concourse Service Roads between 166<sup>th</sup> and 171<sup>st</sup> Street project.

Josue Garcia performed this survey on April 30, 2013. Josue Garcia holds certifications from the New York City Department of Environmental Protection as an Asbestos Investigator (NYC DEP #119168) and the New York State Department of Labor as an Asbestos Inspector (NYSDOL #-01-04292). The results of the visual inspection, review of past surveys and bulk sample analysis determined that the following materials may be impacted by the project:

- Sidewalk Expansion Joint Tar, Black
- Sidewalk Expansion Joint Caulking, Gray
- Sidewalk Expansion Joint Caulking, Light Gray

Analytical results of bulk samples collected by LBA on 04/30/13 indicate the following materials contain asbestos (greater than 1%):

# Grand Concourse Service Road between 166th and 171st Street:

Sidewalk Expansion Joint Tar, Black

Analytical results of the bulk samples collected by LBA on 04/30/13 indicate that the following materials did not contain asbestos (1% or less):

Grand Concourse Service Road between 166th and 171st Street:

- Sidewalk Expansion Joint Caulking, Gray
- Sidewalk Expansion Joint Caulking, Light Gray

# 2.0 FIELD SURVEY PROCEDURES AND SAMPLE ANALYSIS METHODS

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, Doc 560/5-85-024, and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA)

Field information was organized in accordance with the AHERA methodology of

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homogenous area (HA). During the survey, reasonable effort was made to identify all locations and types of ACM materials associated with the scope of work. Sampling has included multiple samples of the same materials chosen at random. However, due to inconsistencies of a manufacturer's processes and the contractor's installation methods, materials of similar construction may contain various amounts of asbestos. Furthermore, some materials that were not originally specified to contain asbestos may in fact contain this mineral. For example, cementitious pipe insulation and plaster were frequently mixed with asbestos at the construction site for ease of application. Locating all asbestos materials can only be definitively achieved by conducting exploratory demolition and sampling every section of pipe insulation, fitting or valve covering, fireproofing, and other suspect ACM.

Bulk samples of suspect ACM are analyzed using polarized light microscopy (PLM) coupled with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAPS). NESHAPS is the standard industry protocol for the determination of asbestos in building materials. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The color displays that result are compared to a standardized atlas whereby the specific variety of asbestos is determined. It should also be recognized that PLM is primarily a qualitative identification method whereby asbestos percentage, if any, is estimated. While EPA, New York State, and New York City regulations governing ACM consider materials containing greater then 1-percent as asbestos, accurately quantifying asbestos content below 5-percent has been shown to be unreliable.

The New York State Department of Health has recently revised the PLM Stratified Point Counting Method. The March 25, 2011 method, "Polarized Light Microscopy Methods for Identifying and Quantifying Asbestos in Bulk Samples" can be found as Item 198.1 in the Environmental Laboratory Approval program (ELAP) Certification manual. Whereas the procedure of analysis for bulk samples that falls into the category of "Non-friable Organically Bound" (NOB) can be found in the March 25, 2011 method "Polarized-Light Microscope Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples", Item 198.6 in the ELAP Certification Manual. This category includes any sample in a flexible to rigid asphalt or vinyl matrix (floor tiles, mastic, roofing shingles, roofing felt, etc.). These samples must be "ashed" in a muffle furnace at 480-degrees Celsius (to remove organic matrix), treated with acid (to remove any mineral carbonate), and filtered through a 0.4-micron polycarbonate filter before being analyzed by PLM. The sample must be weighted between each of these steps to track the percent loss of organic matrix.

ELAP has determined that analysis of NOB materials is not reliably performed by PLM. Therefore, if PLM analysis yields results of 1-percent asbestos or less, the result must be confirmed by TEM. For bulk samples that undergo TEM analysis, the March 25th, 2011 method "Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable organically Bound Bulk Samples" must be used

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and can be found as Item 198.4 in the ELAP Certification Manual. ELAP certified laboratories must include the following statement with their PLM analysis results for each "negative" (1-percent or less asbestos) NOB sample: "Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-ACM, confirmation must be made by quantitative transmission electron microscopy".

All samples are initially analyzed by Polarized Light Microscopy in accordance with Item 198.1 and 198.6 of the ELAP Certification Manual. Samples which yielded a negative PLM result and which are classified as a "non-friable" material are then re-analyzed utilizing TEM methodology in accordance with Item 198.4 of the ELAP Certification Manual. The laboratory performing both these analysis procedures is EMSL located at 307 West 38th Street, New York, NY 10018. The laboratory has received accreditation from the following agencies:

- National Voluntary Laboratory Accreditation Program (Lab Code 101048-9)
- New York State Environmental Laboratory Approval Program (Lab No. 11506)
- American Industrial Hygiene Association Accredited Laboratory (Lab No. 102581)

# 3.0 INSPECTION RESULTS

The asbestos inspection involved a thorough visual examination of all areas impacted by the Reconstruction of Grand Concourse Service Roads. The following table presents inspection results:

Homogenous Area No.	Location	Material	Results	
	SAMPLES COLL	ECTED BY LBA ON 04/30/13		
	SW Corner of 167 <sup>th</sup> Street; SW Corner of	Sidewalk Expansion Joint Tar,	1.4% Chrysotile	
01	171 <sup>st</sup> Street; East Sidewalk near 1150 Grand Concourse	Black		
02	East Sidewalk near 1398 Grand Concourse; 167 <sup>th</sup> Street East Sidewalk; East Sidewalk near 1150 Grand Concourse	Sidewalk Expansion Joint Caulking, Gray	Non-ACM	
03	West Sidewalk near 1185 Grand Concourse; 167 <sup>th</sup> Street west Sidewalk near 1215 Grand Concourse; SW Corner of Elliot Place	Sidewalk Expansion Joint Caulking, Light Gray	Non-ACM	

Laboratory analysis results, in tabular form, are included in Appendix A.

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#### AREAS NOT ACCESSIBLE

During the survey the following areas were not accessible:

· Spaces below concrete sidewalks: Destructive sampling was not performed in concealed spaces. It should be assumed that asbestos containing materials may exist in these areas and should be tested to prior to the commencement of construction activities.

#### **ASBESTOS ABATEMENT COST ESTIMATE** 5.0

The unit costs listed in this section are based on projects of similar size, location and complexity. The cost estimate has been prepared with the following assumptions:

- Union labor or prevailing wage
- Insurance, profit and overhead costs have been estimated and will vary among
- All work areas may not be able to be abated in a continuous fashion and down time may occur for varying periods.
- Electric power and water to be provided by others
- Prices do not include air monitoring costs
- Reinstallation work has not been factored into the cost estimates

The following chart is an approximation illustrating the cost for removal of one type of ACM throughout the Reconstruction of Grand Concourse Service Roads, located at Grand Concourse between 166th and 171st Street, Bronx, NY 10452:

NYC DEP Section § 1-106 Tent Procedures.......\$15.00/ Ln, Ft.

The unit costs listed in this section are based on projects of similar size, location and complexity.

# Grand Concourse between 166th and 171st Street

Subtotal\$4,125.00						
Sidewalk Expansion Joint Tar, Black	275 Ln. Ft. (23 Sq. Ft.)	\$15.00/Ln. Ft.	\$4,125.00			
ACM Material	Quantity	Unit Rate	Total			

Overhead & Profit (15-Percent) ...... \$618.75 Total......\$4,743.75

NOTE: In accordance NYCDEP Section 1-26, this project may require an Asbestos Abatement Permit and/or a Work Place Safety Plan and the Asbestos Abatement Contractor must include this in the total cost.

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#### 6.0 CONCLUSIONS AND RECOMMENDATIONS

One type of ACM material has been identified in our survey effort that may be impacted as part of the Reconstruction of Grand Concourse Service Roads. This material, reported in Section 3.0 of this report, will require complete abatement prior to the start of the Reconstruction Project.

This asbestos survey was based on the Reconstruction of Grand Concourse Service Roads between 166<sup>th</sup> and 171<sup>st</sup> Street project as indicated by NYC DDC. Any change in the scope of work will require further investigation to accurately classify any additional ACM resulting from the modified or updated scope of work.

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### 7.0 REPORT CERTIFICATIONS

This report, and the supporting data, findings, conclusions, opinions, and recommendations it contains represent the result of LBA's efforts for the asbestos survey work was based on the Reconstruction of Grand Concourse Service Roads between 166<sup>th</sup> and 171 st Street project.

Opinions and recommendations presented in this report apply to site conditions and features as they existed at the time of LBA's site visits, and those reasonably foreseeable. They cannot necessarily apply to conditions and features of which LBA is unaware and has not had the opportunity to evaluate.

The conclusions presented in this report are professional opinions solely upon LBA's visual observations of accessible areas, laboratory test data, and current regulatory requirements. These conclusions are intended exclusively for the purpose stated herein, at the site indicated, and based upon the scope of work received from the Department of Design and Construction, for the project indicated.

Prepared by:

Josue Garcia NYS DOL Inspector

NYC DEP Investigator

Ada

Reviewed by:

Prakash Saha Project Manager

NYC DEP Investigator Seal



# **APPENDIX A:**

SAMPLE ANALYSIS RESULTS IN TABULAR FORM



APPENDIX A
RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS
GRAND CONCOURSE BETWEEN 166<sup>TH</sup> AND 171<sup>ST</sup> STREET, BRONX, NY 10452
LBA PROJECT NO.: SPC870V3
DDC PROJECT NO.: HWXP136A

TEM Result		NA/PS	NA/PS	NA/PS	NAD	NAD	NAD	NAD	NAD	NAD
PLM Result		1.4% Chrysotile	NA/PS	NAPS	NAD	NAD	NAD	NAD	NAD	NAD
Material	SAMPLES COLLECTED BY LBA ON 04/30/13		Sidewalk Expansion Joint Tar, Black			Sidewalk Expansion Joint	Cauling, Glay		Sidewalk Expansion Joint Caulking, Light Gray	
Location	SAMPLES COLLECT	SW Corner of 167 <sup>th</sup> Street, Sidewalk	SW Corner of 171st Street, Sidewalk	East Sidewalk near 1150 Grand Concourse ES	East Sidewalk near 1398 Grand Concourse ES	167th Street East Sidewalk	East Sidewalk near 1150 Grand Concourse ES	West Sidewalk near 1185 Grand Concourse WS	167" Street west Sidewalk near 1215 Grand Concourse	SW Corner of Elliot Place, Sidewalk
Sample No.		10	02	03	04	හ	90	20	80	60
Homogeneous Area No.			6			8			83	

Notes: Bold = Positive for ACM

NAD = No Asbestos Detected

NA/PS = Not Analyzed / Positive Stop

GRAND CONCOURSE SERVICE ROADS CAPIS ID#: HWXP136A

WOL NO: 8889-LBA-3-8452 FINAL DATE: 05/20/2013

Page - 1

A1-40



# APPENDIX B:

BULK SAMPLE FIELD DATA SHEETS
WITH CHAIN OF CUSTODY
AND LABORATORY RESULTS



# EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

http://www.emsl.com manhattanlab@emsl.com

EMSL Order: CustomerID: 031317448 LBAP78

CustomerPO:

ProjectID:

NYC DDC

Attn: Prakash Saha

Louis Berger & Associates, PC 48 Wall St.

New York, NY 10005

Phone: . Fax: (212) 612-7900

Received: Analysis Date:

05/03/13 12:47 PM

Collected:

5/6/2013 4/3/2013

Project: SPC870V3/ NYC DDC / CAPIS ID# HWXP136A/ RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROAD / 166 AND 171ST

# Test Report: Asbestos Analysis of Bulk Material

	Analyzed		Non Asbestos	
Test	Date	Color	Fibrous Non-Fibrous	Asbestos
Sample ID 01		Description	SW CORNER OF 167TH STREET SIDEWALK	
031317448-00	01	Homogeneity	Heterogeneous	
PLM NYS 198.1 Friable			W/ W	Not Analyzed
PLM NYS 198.6 NOB	5/6/2013	Black		Inconclusive : <1%Chrysotile
				Inconclusive - <1% Total
TEM NYS 198.4 NOB	5/6/2013	Black`		1.4% Chrysotile
				1.4% Total
Sample ID 02		Description	SW OF 171ST STREET SIDEWALK	
031317448-00	02	Homogeneity	Heterogeneous	
PLM NYS 198.1 Friable			11.00	Not Analyzed
PLM NYS 198.6 NOB	5/6/2013	Black		Inconclusive: None Detected
TEM NYS 198.4 NOB	5/6/2013			Positive Stop (Not Analyzed)
Sample ID 03		Description	EAST SIDEWALK NEAR 1150 GRANDCOURSE	
031317448-00	03	Homogeneity	Heterogeneous	
PLM NYS 198.1 Friable	- A #	ā*		Not Analyzed
PLM NYS 198.6 NOB	5/6/2013	Black		Inconclusive: None Detected
TEM NYS 198.4 NOB	5/6/2013			Positive Stop (Not Analyzed)
Sample ID 04		Description	EAST SIDEWALK NEAR 1398 GRANDCOURSE	
031317448-00	04	Homogeneity	Heterogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 NOB	5/6/2013	Gray	- 7 % tis %	Inconclusive: None Detected
TEM NYS 198.4 NOB	5/6/2013	Gray		None Detected
Sample ID 05		Description	167TH STREET EAST SIDE SIDEWALK	
031317448-00	05	Homogeneity	Heterogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 NOB	5/6/2013	Gray /Black		Inconclusive: None Detected
TEM NYS 198.4 NOB	5/6/2013	Gray /Black		None Detected
Sample ID 06		Description	EAST SIDE WALK NEAR 1150 GRAND COURSE E.S	
031317448-00	06	Homogeneity	Heterogeneous	
PLM NYS 198.1 Friable			190	Not Analyzed
PLM NYS 198,6 NOB	5/6/2013	Gray /Black		Inconclusive: None Detected
TEM NYS 198.4 NOB	5/6/2013	Gray /Black		None Detected

-	Initial Report	From	05/06/2013	19:23:44

Test Report 1982013/S/-7.28.0 Printed: 5/6/2013 7:31:15 PM

Page 1



#### EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.emsl.com manhattanlab@emsl.com

EMSL Order:

ProjectID:

031317448

NYC DDC

CustomerID: CustomerPO: LBAP78

#### Test Report: Asbestos Analysis of Bulk Material

#### Non Asbestos

Test			Color	Fibrous	Non-Fibrous	Asbestos
			Description	WEST SD1185 GRAND	COURSE W.S	
			Homogeneity	Heterogeneous		
PLM NYS 1	98.1 Friable					Not Analyzed
PLM NYS 1	98.6 NOB	5/6/2013	Gray /Black			Inconclusive: None Detected
TEM NYS 1	98.4 NOB	5/6/2013	Gray /Black			None Detected
Sample ID	08		Description	167TH STREET SIDEWA	ALK NEAR 1215 GRANDCOURSE	
	031317448-0	008	Homogeneity	Heterogeneous		
PLM NYS 1	98,1 Friable	4			and the same of the State of th	Not Analyzed
PLM NYS 1	98.6 NOB	5/6/2013	Gray /Black			Inconclusive: None Detected
TEM NYS 1	98.4 NOB	5/6/2013	Gray /Black			None Detected
Sample ID	09		Description	SW CORNER ELIOT PLA	ACE SIDEWALK	
	031317448-0	009	Homogeneity	Heterogeneous		
PLM NYS 1	98.1 Friable			<u> </u>		Not Analyzed
PLM NYS 1	98.6 NOB	5/6/2013	Gray /Black			Inconclusive: None Detected
TEM NYS 1	98.4 NOB	5/6/2013	Gray /Black			None Detected

Initial Report From 05/06/2013 19:23:44

Test Report 1982013/S/-7.28.0 Printed: 5/6/2013 7:31:15 PM

Page 2



#### EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

http://www.emsl.com

manhattanlab@emsl.com

EMSL Order: CustomerID:

031317448 LBAP78

CustomerPO:

ProjectID:

NYC DDC

#### Test Report: Asbestos Analysis of Bulk Material

Non Asbestos

Color

Fibrous

Non-Fibrous

Asbestos

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

#### Report Comments:

Scope: JEOL / JEM-100CX II #03-01(41)

Sample Receipt Date::

5/3/2013

Sample Receipt Time:

12:47 PM

Analysis Completed Date:

5/6/2013

Analysis Completed Time:

9:18 AM

Analyst(s):

Madisen Nnaoji PLM NYS 198.6 NOB (9)

Sean Scales TEM NYS 198.4 NOB (7)

Samples reviewed and approved by:

James Hall, Laboratory Manager or other approved signatory

NOB = Non Friable Organically Bound N/A = Not Applicable

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing. In New York State, 1EM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.

-NYS Guidelines for Vermiculitie containing samples are available at <a href="http://www.wadsworth.org/labcert/elapcert/forms/Vermiculitie%20Guidance\_Rev082712.pdf">http://www.wadsworth.org/labcert/elapcert/forms/Vermiculitie%20Guidance\_Rev082712.pdf</a>

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL.

EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

mples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Centeral No.		PARCE			20	and the state of t		0)	and the control of th		0	F	LOUIS BERGI TELEPHONE ADDRESS: 48	PROJECT SITE: PROJECT ADDR	CLIENT:	PROJECT NO.:	( <u>)</u>
San Made	3	And the second section of the second	09	86	9	06	8,	2	20	20	0/	SAMPLE NO.	ER & ASSOC., I N0 : (212) 612 Wall Street 16	122 1	NAS		LOUIS BERGER & ASSOC, P.C.
General Notes: All inconclusive NOBs to be analyzed by TEM. Please stop at 1 <sup>th</sup> positive in any homogeneous group:			Corner of Eliot Plus, Sidewalk	167 Street week 5. Nowy 18 were 1215 Ga	Siterally have 1/85 from concernse his	Sibough May 1150 Grand Concertse E.S	that that s	Siderwif need 1398 (Stand Concesting	Sidewalk near 1150 Good Contacts & E	04 1717	Corner of 167 + Street Sidewalk	SAMPLE LOCATION	LOUIS BERGER & ASSOC., P.C. TELEPHONE NO : (212) 612-7900 FAX NO.: (212) 363-4341 ADDRESS: 46 Wall Street 16 <sup>th</sup> Floor, New York, NY 10005	PROJECT SITE: Reconstruction of Grand Concourse Service Koad PROJECT ADDRESS: 166 <sup>th</sup> and 171 <sup>st</sup> Streets, Branx, NY	NYC DDC CAPIS ID# HWXP136A	SPC870V3	GER & ASBESTOS SURVEY DATA
osifive in any homogeneous group.	Man 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			a production of the second section of the secti	is. Show K Expersion Don't Golkes Light Go			ESSIDENTIA EXPANSION SONT GOLKICS G			Sidewalk Expension Soint Tool Bluce	MATERIAL DESCRIPTION	RESULTS TO, jgarcia@louisberger.com, pasha@louisberger.com	Inspectoris): Josue Garcia	Project Manager Plakasu salia	ECT	WEY DATA SHEET / CHAIN OF
	astreet by (Supri)				·3/N°	 						QUANTITY FIELD	D4HR 12HR 124HR				F CUSTODY PAGE
	WAN.					IEO3 INWY	4 781					FIELD NOTES	24 HR × 48 HR		And the second s		0F /



## **Final Report of Asbestos Survey Services**

### **APPENDIX C**:

LABORATORY ACCREDITATIONS
AND
PERSONNEL CERTIFICATIONS

## NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2014 Issued April 01, 2013

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR: JAMES HALL EMSL ANALYTICAL, INC 307 WEST 38TH STREET NEW YORK, NY 10018 NY Lab Id No: 11506

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material EPA 600/M4/82/020

Item 198.1 of Manual

Asbestos in Non-Friable Material-PLM litem 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM Item 198.4 of Manual

Lead in Dust Wipes

EPA 7000B

Lead in Paint

EPA 7000B

Sample Preparation Methods

APP. 14.2, HUD JUNE 1995

EPA 3050B

Serial No.: 48689

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued acceptation depends on successful origining participation in the Program. Consumers are urged to call (\$18) 485-5570 to verify the laboratory's acceptication status.

Page 1 of 1

United States Department of Commerce National Institute of Standards and Technology



## Certificate of Accreditation to ISO/IEC 17025:2005

**NVLAP LAB CODE: 101048-9** 

#### EMSL Analytical, Inc.

New York, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

#### **BULK ASBESTOS FIBER ANALYSIS**

This laboratory is accredited in accordance with the recognized international Standard ISO/IEC 17025:2005.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates



For the National Institute of Standards and Technology



### National Voluntary Laboratory Accreditation Program



#### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.

307 W. 38th Street New York, NY 10018

Jim Hall

Phone: 212-290-0051 Fax: 212-290-0058

E-Mail: ssiegel@emsl.com URL: http://www.emsl.com

**BULK ASBESTOS FIBER ANALYSIS (PLM)** 

**NVLAP LAB CODE 101048-9** 

NVLAP Code

Designation / Description

18/A01

EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation

Samples

2012-07-01 through 2013-06-30

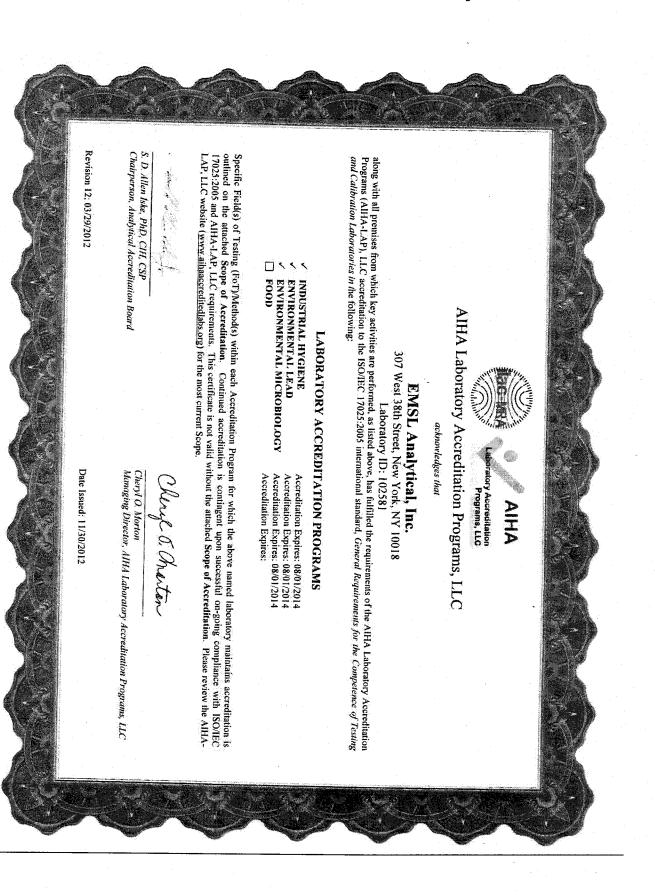
Effective dates

Page 1 of 1

Man & Macy

For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

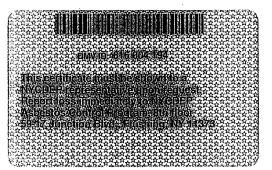


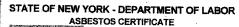
#### NYC DEP Asbestos Control Program Asbestos Certificate



GARCIA, JOSUE INVESTIGATOR 119168 EXPIRES: 8/1/2014 DOB: 8/1/1976 M 5' 05"

Must be carried on all asbestos projects







JOSUE (GARCIA CLASS(EXPIRES) CATEC(08/13) DINSP(08/13) H PM (08/13)/I PD (08/13)

CERT# 01-04292 DMV# 816004194 MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLK HAIR BLK HGT 5' 06" IF FOUND RETURN TO: NYSDOL - L&C UNIT ROOM 161A BUILDING 12 STATE OFFICE CAMPUS ALBANY NY 12240



## Final Report of Asbestos Survey Services

## APPENDIX D:

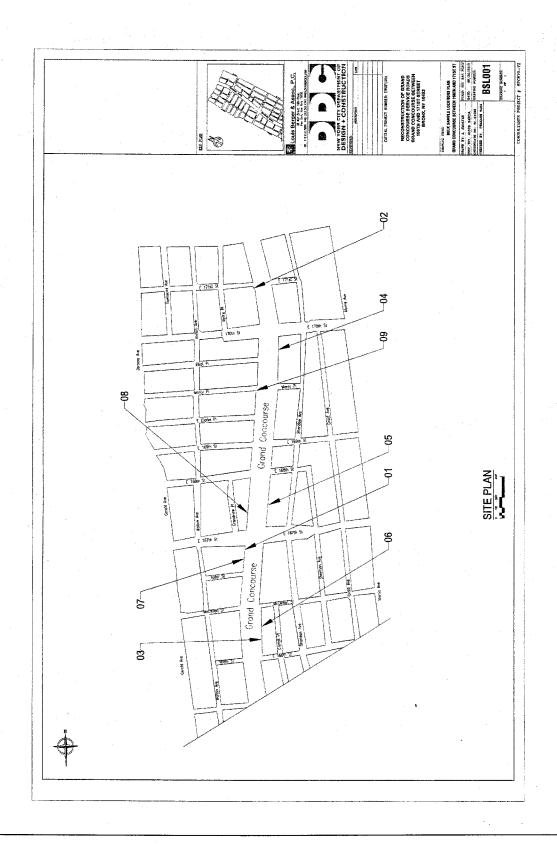
**BULK SAMPLE LOCATION DRAWINGS** 

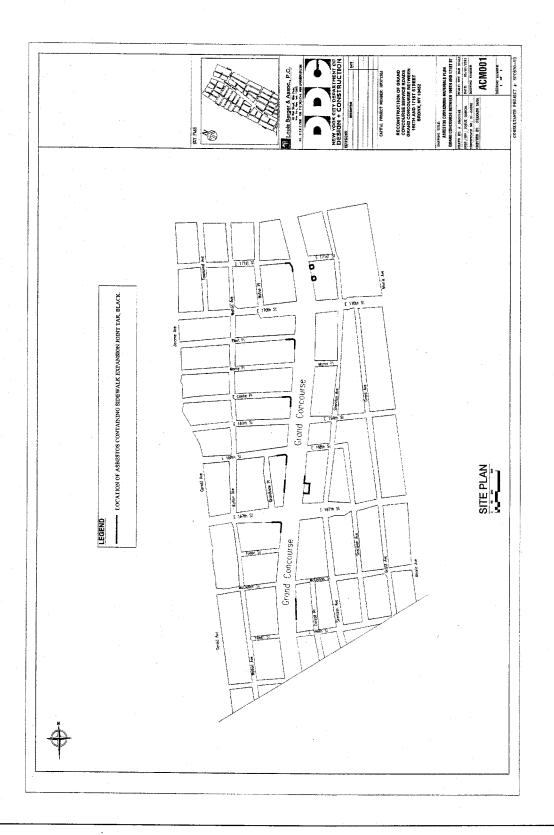


## Final Report of Asbestos Survey Services

### APPENDIX E:

**DRAWINGS WITH ACM LOCATIONS** 





#### SECTION: NYC-665.16000011 - FURNISH AND INSTALL BOLLARDS

#### **DESCRIPTION**

Under item NYC-665.16000011, the Contractor shall furnish and install the new cast iron bollards and pipe supports in locations shown on the plans, in accordance with the Contract Drawings, these specifications and as directed by the Engineer.

#### **MATERIALS**

Materials shall meet the following requirements:

Cast Iron Bollards ASTM A48 Grade 30-B Gray Cast Iron in color selected

for this project. Bollard shall have a minimum wall thickness of 0.37 in and a minimum weight, 220 lb.

Pipe, Carbon Steel, Seamless ASTM A106, Extra Strength, galvanized, 6 in. outside

diameter, concrete filled.

Steel Plate Subsection 715-01

Concrete Subsection 501, Class A

Portland Cement Subsection 701-01

Paint Subsections 708-03 and 708-08

#### **CONSTRUCTION DETAILS**

Bollards shall be furnished and installed according to the details and at locations shown on the plans, complete with pipe supports, base plates and anchor bolts.

Pipe supports and base plates shall be coated with dull orange primer and asphalt-base emulsion prior to setting.

Install pipe supports, anchor bolts, base plates and bollards and foundations as detailed on the drawings and as directed by the Engineer. The Contractor shall carefully coordinate the inner dimensions of the bollard with the outside diameter of the pipe support.

#### **METHOD OF MEASUREMENT**

The quantity to be paid for under this item will be the number of bollards actually installed at the site, to the satisfaction of the Engineer.

#### ITEM NYC-665.16000011 - FURNISH AND INSTALL BOLLARDS

#### **BASIS OF PAYMENT**

The price bid for Bollard shall be a unit price per EACH and shall include the cost of all labor, materials, equipment, insurance, and incidental expenses including, but not limited to, furnishing and installing the bollards, complete with pipe supports, anchor bolts, base plates and concrete foundations necessary to complete the work; all in accordance with Contract Drawings, the specifications and the direction of the Engineer.

#### Payment will be made under:

Item No. Item Pay Unit

NYC-665.16000011 FURNISH AND INSTALL BOLLARDS EACH

## SECTION T-60000B Cable spec. for 120 volt power supply

#### Cable Name

This cable shall be called 2c-10 B (breakdown 2c-10 B= 2 number 10awg conductors with a third wire for grounding.)

#### Intended use

This cable is to be used for 120 volt power systems in NYC.

The cable shall be rated for 600 Volts and have a polyethylene—insulated, jacketed cable for use in underground conduit or for aerial use (must have strain relief's built in for aerial use without a messenger cable). The outer jacket shall be a black in color and be UV resistant and made to endure extreme outdoor usage unprotected without deterioration of insulation or outer jacket fading. This cable shall be rated for direct burial without conduit covering or other protection.

#### Construction

The conductors shall be round annealed copper conforming to ASTM designation b-3. This cable shall be a 3 conductor type with two number ten AWG wire size conductors one white solid wire and one black solid wire with the third conductor number 8 AWG bare stranded wire.

#### Insulation

The insulation shall be a heat-stabilized polyethylene conforming to the requirements of ASTM designation D 1248 for type 1 category 5 grade E4 materials. This insulation shall be concentrically applied about the conductor. This installation shall meet the following requirements when tested in accordance with the procedures of ASTM designation D 2633 and D 1351.

This cable shall meet all other requirements as listed in the NYC DOT traffic specifications 3/95.

Payment will be made under:

Item No. Item Pay Unit

T-60000B FURNISH 2 C #10B (BREAKDOWN=2#10 WITH 3RD

WIRE FOR GROUNDING) L.F.

ITEM NO. SL-22.16.07 - FURNISH AND INSTALL PENDANT TYPE (TEAR DROP) LED FIXTURE

# CITY OF NEW YORK DEPARTMENT OF TRANSPORTATION BUREAU OF TRAFFIC DIVISION OF STREET LIGHTING

#### **SPECIFICATIONS NO. 472**

#### **SPECIFICATIONS FOR**

#### **LED PENDANT TYPE LUMINAIRE**

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#### I. <u>REVISIONS</u>

REV	DESCRIPTION	DATE	APP'D
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LED PENDANT TYPE LUMINAIRE

#### II. GENERAL

The luminaire shall be of Lighting Emitting Diode (LED) type designed for pendent mounting. The luminaire shall be UL listed for wet location and IP66 classified for LED optic enclosure. The enclosure shall be cast aluminum with integral weather tight LED driver compartments and high performance heat sinks specifically designed for LED lighting applications.

The luminaire shall be 150 Watt, equipped with a built-in power driver, and shall be designed for operation on a 120 volt, 60 Hz, with LED amperage 700 MA max., and shall operate normally in temperatures from -20 degrees Celsius to 50 degrees Celsius.

The luminaire shall consist of housing with electrical components and an optical system.

The luminaire shall provide efficient even illumination, be optically sealed, mechanically strong, and easy to maintain. The driver components shall be mounted in a structurally sound manner within the housing of the luminaire, with provision made for optimum heat dissipation. The driver components and the LED optical assembly shall be sealed against the entry of moisture, dirt, and insects, IP66 for driver and optical assembly.

The luminaire shall withstand severe outdoor conditions due to seasonal changes in temperature and shall be structurally capable of operating satisfactorily in winds of 80 miles per hour with 50% gust.

The whole luminaire assembly shall be completely prewired, requiring only the connection of the primary circuit wires for its operation.

Hereafter in these specifications the expression "Subject to Approval" shall mean "Subject to Approval of Director, Division of Street lighting".

Any material may be substituted for a material specified herein provided that the substitute material is equal to or better than the material specified herein subject to approval.

All equipment shall be as specified herein or approved equal.

#### III. HOUSING

The Luminaire shall consist of housing with top opening containing the electrical components and optical system with refractor and reflector, as per DSL drawing # H-5271, latest revision or approved equal.

All materials inside the housing shall be corrosion resistant, and shall have a protective coating providing a corrosion resistant finish. Metals in contact shall be compatible to prevent corrosion due to contact of dissimilar metals. The fastening arrangement shall be of corrosion resistant material, shall be such as to prevent relative motion between fastener members, and shall permit easy opening and closing of the power driver compartment assembly with snap action. A means shall be provided to prevent accidental opening of the fastening arrangement.

The fastening arrangement shall be simple but positive in the operation of keeping the power driver compartment assembly in closed position.

If rivets are used in hinge or fastening arrangement, rivets shall be stainless steel or bronze.

LED PENDANT TYPE LUMINAIRE

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#### IV. MOUNTING HARDWARE

The mounting hardware required for attaching the luminaire to the pole top shall be as specified on standard drawings, and shall be adequately support the luminaire in winds of 80 miles per hour with 50% gust.

#### V. LENSES

Each LED board shall have a lens that will direct the output light in a way that the luminaire shall give the light distribution and luminaire efficiency as described under "PHOTOMETRIC REQUIREMENTS". Lenses shall be of a material that will not attract dirt, withstand outdoor weather and ultra-violet stabilized with smooth outside surface. Lenses shall be completely sealed and shall be moisture proof and dirt proof.

#### VI. <u>CASTINGS, HARDWARE, AND PAINTING</u>

See standard drawings and original specifications for details.

All screws, washers, and nuts shall be stainless steel, or steel of a corrosion finish.

#### VII. <u>ELECTRICAL COMPONENT</u>

The electrical components in the luminaire shall include a 10 KV minimum surge protector, electronic power driver that to be prewired and tested at the point of manufacture. The LED power driver shall be 120- 277 Volt, 50 / 60 HZ, class 1, LED driver, with power factor more than 90% and THD less than 20% of full load. Integral weather-tight electrical box for easy power hook-up. Voltage dips up to 30% below the nominal line volts of 120 shall not affect LED board power or cause luminaire to dim or fail.

The whole luminaire assembly shall be completely prewired requiring only the connection of the primary circuit wires for its operation.

Wiring shall be #16 stranded wires, with silicone rubber insulation, fiberglass sheath and lacquer finish, or cross-linked polyethylene insulation of 105° Celsius rating.

#### VIII. PHOTOMETRIC REQUIREMENTS

The luminaire shall have a total delivered light efficiency of not less than 90% of initial delivered lumens at 25000 hours of life of LEDS, and 70% of initial delivered lumens at 50000 hours of life of LEDS, measurements shall be done at 25 degrees Celsius.

Luminaire initial delivered lumens at 25 degree Celsius shall be 10200 minimum, with color temperature range 4000-4500 degrees Kelvin. Color Rendering Index shall be more than 71 % (CRI > 71%) at 25 degree Centigrade.

Luminaire shall have a minimum upward lighting, with no significant glare and IES classifications, type III, IV or type V if specified by Street Lighting Division Longitudinal classification shall be medium or short as specified by Street Lighting.

The successful bidder shall submit for approval to the Director and Division of Street Lighting certified photometric test data report, giving the light distribution pattern, the luminaire efficiency and measurements as per IES- LM- 79-08. The test report shall certify that the luminaire comply with the photometric requirements, and include the performance data of luminaire with time and the junction temperature. UL certification and IP66 certification shall be submitted.

All tests shall be performed by an independent and recognized testing laboratory.

#### IX. SAMPLE

Low bidder shall submit a sample prior to award together with all certification tests within 30 consecutive calendar days after bid opening.

The City of New York reserves the right to require all bidders to submit a sample within 30 days after notice.

Additional time for submission of sample may be granted only by written application to the Director of the Division of Street Lighting.

When the sample is ready the bidder shall notify the Division of Street Lighting, Bureau of Traffic, 34-02 Queens Blvd., Long Island City, New York 11101.

All manufacturers must submit samples with all required test reports for Street Lighting to be tested by DOT for a duration specified by the Division.

The City reserves the right to waive submission of sample. If sample is required, no award will be made until written approval of sample by the Division of Municipal Supplies, Bureau of Quality Assurance has been given.

#### X. CHANGES

After written approval, any change in material, parts, method of manufacture, or processing, whether by contractor or by a sub-contractor, shall be subject to approval prior to proceeding with the change.

#### XI. **GUARANTEE**

The vendor shall guarantee the entire luminaire against defects of materials and parts, workmanship, and failure to operate properly in service for a period of seven (7) years after date of final delivery or seven (7) years after being placed in service, whichever occurs first. Guarantee shall cover operation of luminaire, luminaire shall be considered defective if any part of the luminaire fail, power driver is not performing correctly, lighting output has decreased by 30% of the initial delivered lumens, or lighting color has changed to outside the specified range.

#### XII. <u>DELIVERIES</u>

Delivery points are suitable for truck delivery only. Sufficient help, material, and equipment must by the vendor to safely unload and stack shipments to the satisfaction of the representative of the Division of Street Lighting. Pick-ups and deliveries will be permitted between the hours of 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays.

Note: There is no platform service at delivery points.

If within the period of the contract the Division of Street Lighting wishes to change the delivery point to any destination within the City limits, they may do so upon written notice to the Contractor and the Division of Street Lighting. Delivery point shall be Storeroom at 45-03 37th Avenue, Long Island City, New York, New York 11105.

Defective units shall be picked up from the Division of Street Lighting storeroom at 45-03 37th Avenue, Long Island City, New York, New York 11105 and when repaired shall be returned f.o.b. to the same storeroom or as directed by the Director.

Appointments for receipt of deliveries must be made at least 24 hours in advance. Telephone (718) 361-8088, Attention: - Person-in-charge at storeroom.

#### XIII. <u>DELIVERY SCHEDULE</u>

Deliveries - Delivery of the units on order shall be made as follows:

Contractor shall make an initial shipment of 30% of number of units on order within 45 consecutive calendar days after award. Subsequent shipments shall be made at the rate of 35% of number of units on order within every 30 consecutive calendars day period until the entire order is completed.

#### XIV. IDENTIFICATION NUMBERS

The inscription "Property of New York City" shall appear on the inside of the housing for the luminaries in a convenient location in letters approximately 1/2 inch high, also it shall have the manufacture name and date of manufactured.

#### XV. <u>IDENTIFICATION OF WATTAGE AND LABELING</u>

On the housing of the luminaire there shall be an identification means permanently attached to allow for identification of the wattage and street side of the distribution. The means shall be visible to field personnel and shall be subject to approval at the time the sample is submitted.

Anatomy of the Facts Label:

Label shall be included in the fixture; it shall have light output lumens, watts, lumens/watt (Efficacy), color rendering index (CRI), correlated color temperature (CCT) and IESNA LM- 79-2008.

#### XVI. PACKING

Packing shall be standard commercial unless otherwise stated in the schedule; uniform packing shall be maintained for each delivery. Every carton or package shall be labeled on the narrow side with the quantity, unit, description, vendor, name, commodity code, shipping instructions, order, and contract number.

Contract Vendor Packing List must accompany delivery and must be attached to Bill of Lading and not attached to carton or inserted therein.

Separate packing list for each individual shipping instruction or order is a must. Do not consolidate on one (1) packing list.

Luminaries shall be packed one (1) each, with refractor, in a cardboard carton.

#### **NO FURTHER TEXT**

Payment will be made under:

Item No.

Item

Pay Unit

SL-22.16.07 -

FURNISH AND INSTALL PENDANT TYPE

(TEAR DROP) LED FIXTURE

EACH

#### 4. SPECIAL PROVISIONS

The following shall become a part of and apply to the Contract:

- A. <u>LINES AND GRADES</u>. The Contractor shall furnish lines and grades in accordance with Section 1.06.27 of the Standard Highway Specifications, except that survey controls established for this project may no longer exist and the Contractor shall be required to re-establish the survey control information using official Borough Survey Control Monuments and Bench Marks, where they exist. The Contractor shall check with Topographic Section of the Borough President's Office as to the reliability and accuracy of the data to be used for lines and grades.
- B. SPECIFIC TRAFFIC STIPULATIONS. Under this contract, the Contractor shall perform the work in strict accordance with the requirements of Section 6.70 in the Standard Highway Specifications, specific traffic stipulations as called for on the plans, OCMC Traffic Stipulations attached to the end of these Special Provisions, and the directions of the Engineer. In case of a conflict, the Engineer's decision shall be final.

In addition, the cost of compliance with requirements of the OCMC Traffic Stipulations, unless otherwise provided for, shall be deemed included in the prices bid for all scheduled items.

C. <u>HOLIDAY CONSTRUCTION EMBARGO</u>. A special Holiday Construction Embargo shall be in effect on the Friday of the week preceding Thanksgiving Day week from 6:00 AM to 11:59 PM and again from the Monday of Thanksgiving Day week from 6:00 AM through January 2, at 11:59 PM. Roadway and sidewalk construction activities will be restricted during the embargo period on the streets listed below\*.

Any permits issued prior to the date of this notice, for work during this embargo period on the streets listed below which do not already have the permit stipulation "410" are hereby suspended for the period noted above. All permittees must comply with this embargo unless a special waiver is granted by OCMC. Waiver requests must be filed at least thirteen days before Thanksgiving Day, in the Permit Office by filing a "Request for Roadway/Sidewalk Permits During "Embargo Periods" and submitting supporting documentation. Waiver requests should only be submitted for critical reasons for a specific project. If a waiver is granted, the applicant will be notified so they can apply for the approved permits. Waivers are not required for ongoing Building Construction Activity Permits which already include the "410" permit stipulation. Waiver request forms may be obtained at any Permit Office or on the Department of Transportation's website at: <a href="http://www.nyc.gov/html/dot/downloads/pdf/holidayembapp.pdf">http://www.nyc.gov/html/dot/downloads/pdf/holidayembapp.pdf</a>

<sup>\*</sup> Please note that this embargo only applies to NYCDOT construction permits.

\* List of street and maps of the affected locations are available by borough on the Department of Transportation's website at: http://www.nyc.gov/html/dot/html/motorist/trafalrt.shtml

Prior to this embargo period all necessary measures must be taken so that all roadways and sidewalks are in proper condition to allow for the expeditious and safe movement of vehicular, bicycle and pedestrian traffic. Tool carts, cable reels, containers, and material stored on roadways must be removed during the embargo period.

The opening of utility access covers is prohibited on any of the streets noted below between the hours of 6:00 AM and midnight unless the utility or Contractor files for an Emergency Authorization Number as required by section 2-07 of the Department of Transportation's Highway Rules. The planned opening of utility access covers may occur during the hours of 12:01 AM and 5:59 AM where no authorization number is required.

Temporary restoration of the streets and sidewalks and removal thereof, if required for the Holiday Embargo period, will be paid for under the appropriate scheduled items.

No extension of time due to the shutdown period will be granted to the Contractor for completion of the work.

D. <u>N.Y.C. TRANSIT INSURANCE</u>. The Contractor (Permittee) shall indemnify and save harmless the City of New York and the New York City Transit (Permittor) in accordance with the following "Insurance Requirements" and proof that the necessary insurance is in effect will be required before work can commence:

#### NYCT "OUTSIDE CONTRACT" INSURANCE REQUIREMENTS

- 1. The Permittee at its sole cost and expense shall carry or cause to carried and shall maintain at all times during the period of performance under this Agreement policies of insurance as herein below set forth below:
  - (A) Workers' Compensation Insurance (including Employer's Liability Insurance) with limits as specified in Schedule A, which limit may be met by a combination of primary and excess insurance meeting the statutory limits of New York State. The policy shall be endorsed to include Longshoreman's and Harbor Workers' Compensation Act/Maritime Coverage Endorsement and/or Jones Act Endorsement when applicable.
  - (B) Commercial General Liability Insurance (I.S.O. 2001 Form or equivalent) approved by Permittor in the Permittee's name with limits of liability as specified in Schedule A for each occurrence on a combined single limit basis for injuries to persons (including death) and damages to property. The limits may be provided in the form of a primary policy or combination of primary and umbrella/excess policy. When the minimum contract amounts can only be met when applying the

umbrella/excess policy; the Umbrella/Excess Policy must follow form of the underlying policy and be extended to "drop down" to become primary in the event primary limits are reduced or aggregate limits are exhausted. Such insurance shall be primary and non-contributory to any other valid and collectable insurance and must be exhausted before implicating any Permittor/MTA policy available.

Such policy should be written on an occurrence form; and shall include:

- Contractual coverage for liability assumed by the Permittee under this agreement;
- Personal and Advertising Injury Coverage;
- Products-Completed. Operations;
- Independent Contractors Coverage;
- "XCU" coverage (Explosion, Collapse, and Underground Hazards) where necessary;
- Contractual Liability Exclusion, applicable to construction or demolition operations to be performed within 50 feet of railroad tracks, must be voided, where necessary; and,
- Additional Insured Endorsement (I.S.O. Form CG 20 26 07/04 version or equivalent) approved the Permittor naming:

New York City Transit Authority (NYCTA), the Manhattan and Bronx Surface Transit Operating Authority (MaBSTOA), the Staten Island Rapid Transit Operating Authority (SlRTOA), MTA Capital Construction Co., the Metropolitan Transportation Authority (MTA) including its subsidiaries and affiliates, and the City of New York (as Owner).

- (C) Business Automobile Liability Insurance Policy (I.S.O. Form CA 00 01 10 01 or equivalent) approved by the Permittor is required if Permitee's vehicle enters Permittor property. The insurance must be in the name of the Permittee or its contractor entering the Permittor property with limits of liability in the amount specified in Scheule "A" for claims for bodily injuries (including death) to persons and for damage to property arising out of the ownership, maintenance or use of any owned, hired or non-owned motor vehicle.
- (D) Railroad Protective Liability Insuranace policy shall be required as specified in Schedule A.
- (E) Environmental/Pollution Exposures

In the event environmental or pollution exposures exist, the Permittee shall require the environmental contractor or subcontactor to provide the applicable insurance covering such exposure. The limits and type of insurance provided shall be satisfactory to the Permittor and will be confirmed to the parties prior to the start of the work.

- 2. General Requirements Applicable to Insurance Policies
  - a) All of the insurance required by this Article shall be with Companies licensed or authorized to do business in the State of New York with an A.M. Best Company rating of not less than A-/VII or better and reasonably approved by the Permittor/MTA and shall deliver evidence of such policies.
  - b) Except for Workers Compensation, all references to forms and coverages referred to above shall be the most recent used by the Insurance Services Office, Inc. ("ISO") or equivalent forms approved by the Insurance Department of the State of New York, provided, however, that excess coverages may be written on forms reasonably acceptable to Permittor containing provisions other than those contained in ISO forms but otherwise conforming in substance to the requirements of this Article.
  - c) The Permittee or its Contractor performing the work shall furnish evidence of all policies before any work is started to the permittor:

For NYCT Contract Inspection

C/O Mr. John Malvasio

Director, MOW Engineering
130 Livingston Street, Room 8044F

Brooklyn, NY 11201

Telephone: (718) 694-1358

These policies must: (i) be written in accordance with the requirements of the paragraphs above, as applicable; (ii) be endorsed in form acceptable to include a provision that the policy will not be canceled, materially changed, or not renewed, unless otherwise indicated herein, at least thirty (30) days prior written notice to the Permittor c/o MTA Risk and Insurance Management (MTA RIM) Department - Standards, Enforcement & Claims Unit, 2 Broadway - 21st floor, New York, NY 10004; and (iii) state or be endorsed to provide that the coverage afforded under the contractor's policies shall apply on a primary and not on an excess or contributing basis with any policies which may be available to the Permttor/MTA, and also that the contractor's policies, primary and excess, must be exhausted before implicating any Permittor/MTA policy available. (iv) In addition, contractor's policies shall state or be endorsed to provide that, if a subcontractor's policy contains any provision that may adversely affect whether

contractor's policies are primary and must be exhausted before implicating any Permittor/MTA policy available, contractor's and subcontractor's policies shall nevertheless be primary and must be exhausted before implicating any Permittor/MTA policy available. Except for Professional Liability, policies written on claims made basis are not acceptable. At least two (2) weeks prior to the expiration of the policies, contractor shall endeavor to provide evidence of renewal or replacement policies of insurance, with terms and limits no less favorable than the expiring policies. Except as otherwise indicated in the detailed coverage paragraphs below, self insured retentions and policy deductibles shall not exceed \$100,000, unless such increased deductable or retention is approved by Permittor/MTA. The Permittee shall be responsible for all claim expense and loss payments within the deductible or selfinsured retention. The insurance monetary limits required herein may be met through the combined use of the insured's primary and umbrella/excess policies.

- d) Certificates of Insurance may be supplied as evidence of policies of the above policies, except for Policy (D) Railroad Protective Liability Insurance Policy. However, if requested by the Permittor, the Permittee shall deliver to the Authority, within forty-five (45) days of be request, a copy of such policies, certified by the insurance carrier as being true and complete. The Railroad Protective Liability Insurance Policy must be provided in the form of the Original Policy. A detailed Insurance Binder may be provided, ACORD or Manuscript Form, pending issuance of the Original Policy. The Original Policy must be submitted to MTA RIM within 30 days of the Binder Approval.
- e) If a Certificate of Insurance is submitted, it must: (1) be provided on the Permittor Certificate of Insurance Form or MTA Certificate of Insurance Form for Joint Agency Agreements; (2) be signed by an authorized representative of the insurance carrier or producer and notarized; {3) disclose any deductible, self-insured retention, sub-limit, aggregate limit or any exclusions to the policy that materially change the coverage; (4) indicate the Additional Insureds and Named Insureds as required herein, along with a physical copy of the Additional Insured Endorsement (I.S.O. Form CG 20 26 07/04 version or equivalent), as applicable and the endorsement(s) must include policy number(s); (5) reference the Contract by number on the face of the certificate; and (6) expressly reference the inclusion of all required endorsements.
- f) The minimum amounts of insurance required in the detail description of policies (A), (B), (C), and (D) above shall not be construed to limit the extent of the Permittee's liability under this Agreement.
- g) If, at any time during the period of this Agreement,

insurance as required is not in effect, or proof thereof is not provided to the Permittor, the Permittor shall have the options to: (1) direct the Permittee to suspend work or operation with no additional cost or extension of time due on account thereof; or (ii) treat such failure as an Event of Default.

- E. CONTRACT ITEMS THAT INCLUDE BACKFILL AS A PART OF THEIR WORK. The following shall pertain to all contract items that have backfill as a part of their work: Backfilling shall comply with Subsection 4.11.3 of the Standard Specifications and no additional payment will be made for any Highway or Street Lighting work item requiring Contractor to furnish additional fill material to meet these requirements when backfilling.
- F. <u>NOISE CONTROL</u>. The Contractor is directed to Title 24, Chapter 2 of the Administration Code of the City of New York, known as the "New York City Noise Code" by the Department of Environmental Protection. The provisions of this code and its most recent additions and revisions shall apply to this contract. In the event of a conflict between the requirements of the New York City Noise Code and the requirements of Noise Control contained in these special notes, the more stringent of the two shall apply.

The Contractor shall plan and carry out work on this Project to ensure that the noise from construction equipment and activities does not exceed the limits specified herein. The noise abatement operations and conditions specified shall be carried out by the Contractor to limit noise in project and adjacent areas. The Contractor shall conduct a continuous educational effort for the workers on the site to ensure that they are aware of their roles in minimizing noise propagating from the site.

In order to monitor noise abatement operations the Contractor shall employ services of "Noise Control Specialist" for the duration of construction activity. The contractor shall submit qualifications and experience of the prospective specialist/firm to the Engineer for prior approval. The specialist/firm must satisfy the eligibility requirements of qualifications and work experience as required by the N.Y.C.D.E.P.

The monitoring protocol shall be as follows:

- (a) There shall be one outdoor and one indoor monitoring station for each work area or 1,000 ft. of street length whichever is less.
- (b) Monitoring of noise level shall be done prior to start of construction and during construction for each station at the same work hours specified in the contract.
- (c) Locations of monitoring stations shall be recommended by the noise control specialist for approval of the Engineer.

(d) Engineer shall provide indoor station locations to the contractor after ascertaining availability of the said station from the Community Board.

Should the Contractor fail to carry out the noise abatement operations and conditions specified herein, the Engineer shall have the authority to suspend all work until such time as the Engineer deems that the Contractor has complied with the requirements.

The following additional requirements for noise control shall apply to this contract:

- 1. Noise Level Requirements for Construction Equipment
  - (a) The Contractor shall ensure that all Contractor and Subcontractor equipment, of the types listed in Table A to be used on-site for a total duration greater than 5 days, shall be tested for compliance with the stated noise emission limits during the first day of use on the construction site or at an alternative site acceptable to the Engineer.
  - (b) All equipment as described in (a) above shall be re-tested at 6 month intervals while in use on site.
  - (c) All compliance tests shall be performed by the Contractor.
  - (d) For each piece of equipment tested, the Contractor shall provide a noise report to the Engineer as shown in Figure A.
  - (e) Equipment of the types listed in Table A, as described above, shall not be used on-site without valid certificates of noise compliance.
  - (f) The Contractor shall provide to the Engineer two noise meters meeting the requirements of Section 2(d) herein. Two acoustic calibrators of the type recommended by the meter manufacturer shall also be provided.

#### TABLE A

## CONSTRUCTION EQUIPMENT NOISE EMISSION LIMITS: MEASURED AT 50 FEET FROM CONSTRUCTION EQUIPMENT

Equipment Category	Noise Level,	dba (SLOW)
Auger	83	
Backhoe	80	
Bar Bender	80	
Cherry Picker	80	
Chain Saw	86	
Compactor	80	
Compressor	70	
Concrete Mixer	70 86	
Concrete Pump	82	
Concrete or Diamond Saw	90	
Crane	86	
Crawler Miller	90	
Dozer	86	
Front End Loader	80	
Generator	80 82	
Gradall	82 86	
Grader	86	
Jackhammer	88	
Man Lift	• •	
	80	
Mounted Impact Hammer Paver	95 86	
Pneumatic Tools	86 86	
Roller		
Scraper	80	
~	86	
Shotcrete Liner (tire-mounted)	79	
Striper (walk-behind) Tractor	80	
	84	
Traffic Line Remover	80	
Truck (including truck-mounted equipme		
Vibrator	80	
Vibratory Pile Driver	95	
All Other Equipment with Engines		
Larger than 3750W	86	- c ( c )
Impact Pile Driver	105 d	BC(FAST)

#### FIGURE A

#### CERTIFICATE OF EQUIPMENT NOISE COMPLIANCE

Contractor Name:			
Contract Name & Number:			<del>-</del> -
Equipment Type:			
Manufacturer & Model Number:			
Identification Number:			
Rated Power & Capacity:			
Operating Condition During Test		<del></del>	
Measured Sound Levels at 6 to 1	.5 meters:		
Measured Values and Distance:			
Engine-Powered or Concrete-Brea	king Equipment:		
Right Side:	dBA(SLOW), at		meters
Left Side:	dBA(SLOW), at		meters
Impact Pile Driving Equipment:			
Right Side:	dBC(FAST), at		meters
Left Side:	_ dBC(FAST) at		meters
			mccers
Equivalent Values at 50 Feet Di	stance:		
Engine-Powered or Concrete-Brea	king Equipment:		
Right Side:	dBA(SLOW).		
Left Side:	dBA(SLOW).		
Impact Pile Driving Equipment:	-		
Right Side:	dBC(FAST).		
Left Side:	dBC(FAST).		
Maximum Values Allowed for this	Equipment:	dBA(SLOW) a	t 15 meters
		dBC(FAST) a	t 15 meters
If equipment sound level exc	rooda maximum :		d indicat
action taken to achieve complia	ngo:	varue arrowe	u, indicat
docton canon to define to compila	iice:		
Nome Morels 7 dales and 57			
Name, Work Address & Phone No.			·
of NYSDOT Inspector			
Authorized Signature:	Dat	e:	
COMMUNICATION C. TOGGET			
CONTRACTOR'S ACCEPTANCE:		_ Date:	

- 2. Noise Level Test Procedures of Construction Equipment
  - (a) All engine-powered equipment shall be operated by the Contractor or Contractor's representative at high idle (maximum governed rpm) under full load conditions during the tests.
  - (b) Portable and mounted impact hammers, such as hoe rams and jackhammers to be used to concrete breaking, shall be tested during the first day of actual operation at the construction site under maximum load conditions as rated by the equipment manufacturer.
  - (c) Pile driving equipment shall be tested at the construction site under maximum load conditions as rated by the manufacturer.
  - (d) All noise certification measurements shall be performed with an instrument that is in compliance with the criteria for a Type 1 (Precision) or Type 2 (General Purpose) Sound Level Meter as defined in the current revision of ANSI Standard S1.4. An acoustic calibrator of the type recommended by the sound level meter manufacturer shall be used prior to all measurements.
  - (e) If possible, measurements shall be made at 50 feet (±1.5 feet) from the right and left sides of the equipment casing, at a height of 5 feet above ground level, with the equipment operating as indicated in items (a), (b) or (c) above for a minimum period of 1 minute. Measurements made at less than 50 feet, because of space limitations at the test site, shall be reduced by the values given in Table B to estimate the 50-feet sound level.

#### TABLE B

#### ADJUSTMENTS FOR CLOSE-IN EQUIPMENT NOISE MEASUREMENTS

Measurement Values to be Subtracted from Measured Sound Level Distance (Feet) to Estimate Sound Level at 50 Feet (dBA)

20	to	under	21	8	3
21	to	under	23	7	,
23	to	under	26	6	,
26	to	under	29	5	,
29	to	under	33	4	ŧ
33	to	under	37	3	5
37	to	under	41	2	)
41	to	under	47	1	-
47	to	under	50	0	)

- 3. Compliance with Equipment Noise Level Requirements
  - (a) The Engineer shall retain a copy of the noise report from the Contractor with each piece of equipment used on the project of the types listed in Table A. The report shall be on the form shown in Figure A with certification by the noise control specialist hired by the contractor that equipment noise emissions do not exceed those prescribed.
  - (b) If the noise levels obtained during the tests exceed those specified in Table A the Contractor shall promptly modify or alter such equipment and retest, or substitute other equipment to meet the noise level requirements.
  - (c) Upon compliance, (including the certification date and equipment identification number) the Engineer will keep the noise reports readily available on file in the Construction field office for inspection upon request.
  - (d) The Certification of Noise Compliance will remain valid for a period of 6 months only. Delays caused by certification refusal or by time lost in improving the rejected equipment or finding alternate acceptable equipment shall not be a basis for any monetary or time delay claims or for avoidance of late completion penalties.
  - (e) All equipment shall be subject to spot noise level testing by the Engineer at his discretion as necessary to determine that the equipment in use meets the requirements specified in Table A. For this purpose, the Contractor shall furnish noise-measurement instrumentation that complies with the standards specified in paragraph 2.(d). If such tests are requested by the Engineer, the Contractor shall locate and operate the equipment as directed by the Engineer so as to facilitate the measurements. The Engineer shall provide the Contractor with a copy of the results of the measurements. If such tests demonstrate that any equipment does not comply with the requirements specified in Table A, its Certificate of Noise Compliance shall be revoke and equipment shall be taken out of use until compliance is achieved. A new Certificate of Noise Compliance will then be issued.
- 4. Construction Noise Level Exposure Limits
  - (a) In no case shall the public be exposed to construction noise levels exceeding 100 dBA (SLOW) or to impulsive noise levels exceeding 125 dBC (FAST).
  - (b) Construction activities shall be conducted in such a manner that the equivalent noise level (Leq) over any one-hour period does not exceed 85 dBA at any noise-sensitive locations (e.g. residence and hotels).

- 5. Construction Noise Level Exposure Test Procedures
  - (a) All noise exposure measurements will be performed with an integrating sound level meter. An acoustic calibrator will be used prior to all measurements.
  - (b) The measurement microphone of the sound level meter shall be fitted with an appropriate windscreen, and will be located 1.5 meters above the ground and at least 5 feet away from the nearest sound-reflective surface for the tests.
  - (c) Noise exposure measurements will be taken at noise-sensitive locations closest to the construction activities at least once each week and as dictated by construction activities.

    Measurement periods at each location shall be a minimum of one hour.
  - (d) Construction noise exposure measurements will coincide with periods of maximum noise-generating construction activity, and will be performed during the construction phase or activity that the greatest potential to create annoyance or to exceed the noise exposure limits.
- 6. Compliance with Construction Noise Level Exposure Limits
  - (a) Construction noise exposure data will be collected by the Contractor on a weekly basis. The noise report will include (1) a sketch indicating the locations of the measurements and of all nearby construction equipment operating during the measurement period, (2) the measured maximum A-weighted noise level at each location, in terms of dBA (SLOW), (3) the measured maximum C-weighted noise level, in terms of dBC (FAST) and (4) the measured one-hour Leg (in dBA).
  - (b) In the event that the measured noise levels exceed the limits specified in paragraph 4 above, the Engineer will immediately notify the Contractor and the Contractor shall implement corrective actions as directed by the Engineer.
  - (c) All construction activities will be subject to spot noise level testing by the Engineer at his discretion as necessary to determine that the noise levels meet the exposure limits specified in paragraph 4 above. If such tests demonstrate that the noise levels exceed the specified limits, the Contractor shall implement corrective actions as directed by the Engineer.
- 7. General Requirements for Construction Equipment Noise Control
  - (a) The Contractor shall minimize the use of impact devices, such as jackhammers, pavement breakers, and hoe rams. Where possible, concrete crushers or pavement saws shall be used

- rather than hoe rams for tasks such as grillage removal and pavement demolition.
- (b) All pneumatic impact tools and equipment used at the construction site shall have intake and exhaust mufflers recommended by the manufacturers thereof, to meet relevant noise ordinance limitations.
- (c) All impact devices (i.e. jackhammers and pavement breakers) shall be equipped with acoustically attenuating shields or shrouds recommended by the manufacturers thereof, to meet relevant noise ordinance limitations.
- (d) Hoppers, conveyors transfer points, storage bins, and chutes shall be line or covered with sound-deadening material.
- (e) The Contractor shall minimize the use of air or gasolinedriven hand tools.
- (f) All other equipment, including internal combustion engines, shall have mufflers and shield paneling recommended by the manufacturers thereof.
- 8. General Operational Requirements for Construction Noise Control
  - (a) The Contractor shall operate equipment so as to minimize banging, clattering, buzzing, and other annoying types of noises, especially near noise-sensitive locations.
  - (b) The Contractor, to the extent feasible, shall configure the construction site in a manner that keeps noisier equipment and activities as far as possible from noise-sensitive locations and nearby buildings.
  - (c) The Contractor shall minimize noise from the use of backup alarms near residential buildings by using self-adjusting, ambient noise-sensitive backup alarms that meet OSHA regulations.
  - (d) In no case shall the above restrictions limit the Contractor's responsibility for compliance with all applicable Federal, state and local safety ordinances and regulations and other sections of these construction specifications.
- 9. Acoustic Shed Requirements
  - (a) All noise-generating mechanical equipment that is operated by the Contractor at any time other than weekdays between the hours of 7:00 a.m. and 6:00 p.m. shall be enclosed within an acoustic shed. Such equipment includes, but is not limited to, generators for traffic sign boards and lighting.

- (b) Acoustic sheds shall consist of three-sided, closed-top enclosures, oriented such that the open end of the shed faces away from residential or hotel buildings.
- (c) The shed shall be constructed of 0.5 inch plywood sheeting, or other acceptable material weighing at least 1.5 pounds per square foot, on timber framing with no gaps at joints or corners. Gaps between the bottom edge of the shed panels and the ground shall not exceed 1 inch in width and shall be closed off with solid strips of rubber, neoprene or other suitably dense material.
- (d) The inside of the shed shall be lined with glass fiber or mineral wool type sound-absorbing material at least 2 inches thick, protected by wire mesh or perforated sheets that have at least 30 percent open area.

#### 10. Cost of Work

- (a) The cost of all labor, materials, equipment, insurance necessary for noise abatement measures as described in this section, any necessary modifications of construction methods or equipment and any delays to construction due to work suspension due to non-compliance with noise control requirements or due to necessary modifications to construction methods for compliance with the noise control requirements is deemed included in the prices bid for the items of work for which the equipment is used.
- G. <u>UNDER-SIDEWALK VAULTS</u>. The Contractor is hereby advised that under-sidewalk vaults may be present in both sidewalk and roadway areas within the project limits. Where Contractor claims any locations can not be completed because of vaults, he should indicate by which method he has determined vault interference and provide that information to the Engineer.

Prior to any sidewalk excavation, the Contractor shall be responsible to verify the existence of under-sidewalk vaults. The Contractor shall perform visual sidewalk reconnaissance; search for and examine record drawings; gain access to cellars and obtain measurements within vaults; and perform sub-surface radar examination or use other non-destructive methods to locate possible vault structures. Where these above methods of verification are not available to the Contractor, he/she shall then be required to locate the vault envelopes and their roof depth below finished sidewalk grade by drilling holes (at no direct payment), or by Test Pits, under Item No. 9.00 C, as directed by the Engineer.

The Contractor shall be liable for any damage to the undersidewalk building vaults and/or its contents and/or occupants due to his failure to verify the pre-existing vault condition.

Vault records may be available from the following (or other) sources:

- A- DEPARTMENT OF TRANSPORTATION, BUREAU OF HIGHWAY OPERATIONS, PERMIT SECTION, 55 WATER STREET, CONCOURSE LEVEL, NEW YORK, NEWYORK 10041
- B- NEW YORK CITY DEPARTMENT OF BUILDINGS
- C- NEW YORK CITY BUREAU OF FRANCHISES

Where vault roofs are determined to interfere with construction of standard pedestrian ramps, the Engineer's may approve for construction of, or installation of, non-standard pedestrian ramps, which may include relocation of ramps and/or partial roadway ramps.

An overall field sketch of each corner suspected of having a vault, along with at least one photograph (3" x 3" minimum) of each location, and the results of his/her investigation shall be furnished by the Contractor to the Engineer for review at least ten (10) working days prior to start of work at that respective corner. Said photographs shall be in addition to those required under Item 6.43. Each field sketch shall show measurements of affected areas of vaults, the building line as a reference guide which can be employed to indicate the vault envelope in the sidewalk, the boundaries of the underground structures, curb reveals, and location of proposed pedestrian ramps. No additional payment is to be made for this overall sketch.

Any vault structures punctured by the Contractor's operations shall be repaired by the Contractor to match the existing structure. Said hole in vault structures shall be temporarily repaired with an approved epoxy mortar, or securely steel plated if permanent repairs are not completed prior to the end of that same working day. No holes in vault roofs shall be left unattended at any time.

The Contractor shall also be responsible to replace damaged water proofing directly over vault roofs at his own expense.

H. <u>SCHEDULING PRESENTATION</u>. The Contractor shall submit construction schedule in the form of a bar chart using "Microsoft Project 2010", or in an approved equivalent program which shall be directly and fully translatable into Microsoft Project 2010 format, within seven days of the initial Pre-Construction Meeting. Each bar in the chart shall show dates the Contractor plans to start and complete each construction activity after the initial Pre-Construction Meeting. Bar chart shall show the order and interdependence of all activities necessary to complete the work and the sequence in which activity is to be accomplished as planned by the Contractor and in accordance with all subcontractors or suppliers whose work shall be shown on the bar chart. The Contractor shall submit the bar chart for the Engineer's review and revise it, if required, until approved by the Engineer.

The Contractor shall submit weekly progress status update reports or as otherwise directed by the Engineer. The Contractor shall submit updated bar chart every month. The revised bar chart shall be made in the same form and detail as the original submittal and shall be

accompanied by an explanation of the reasons for the revisions all of which shall be subject to approval by the Engineer.

- I. <u>DISPOSAL OF EXCESS EXCAVATED MATERIAL</u>. All excess excavated material, with the exception of contaminated material, shall become the property of the Contractor and shall be properly disposed of away from the site, at the Contractor's expense. Contaminated material shall be disposed of separately in accordance with contract requirements.
- J. CONTRACT ITEMS THAT INCLUDE BACKFILL AS A PART OF THEIR WORK. The following shall pertain to all contract items that have backfill as a part of their work: Backfilling shall comply with Subsection 4.11.3 of the Standard Specifications and no additional payment will be made for any Highway or Street Lighting work item requiring Contractor to furnish additional fill material to meet these requirements when backfilling.
- K. <u>SCHEDULING PRESENTATION</u>. The Contractor shall submit construction schedule in the form of a bar chart using "Microsoft Project 2010", or in an approved equivalent program which shall be directly and fully translatable into Microsoft Project 2010 format, within seven days of the initial Pre-Construction Meeting. Each bar in the chart shall show dates the Contractor plans to start and complete each construction activity after the initial Pre-Construction Meeting. Bar chart shall show the order and interdependence of all activities necessary to complete the work and the sequence in which activity is to be accomplished as planned by the Contractor and in accordance with all subcontractors or suppliers whose work shall be shown on the bar chart. The Contractor shall submit the bar chart for the Engineer's review and revise it, if required, until approved by the Engineer.

The Contractor shall submit weekly progress status update reports or as otherwise directed by the Engineer. The Contractor shall submit updated bar chart every month. The revised bar chart shall be made in the same form and detail as the original submittal and shall be accompanied by an explanation of the reasons for the revisions all of which shall be subject to approval by the Engineer.

L. ACCELERATED PROJECT SCHEDULE AND COMBINATION OF STAGES. Contractor shall plan and/or stage his/her work schedule using all hours/days available. Contractor is advised that all applicable unit prices shall include, for the purpose of this contract, all overtime costs, premium time costs, shift differentials required to complete construction within the specified "Time(s) of Completion" stipulated in this contract.

Contractor shall be permitted to accelerate this project, to combine stages and/or work sequences. Any such changes shall be shown in the construction schedule, to be furnished in accordance with the General Provisions of the Standard Specifications and the above

"SCHEDULING PRESENTATION" Article, and shall be submitted for approval of the Engineer.

- M. NO EXTENSION OF TIME FOR WINTER SHUT-DOWN. Where the Contractor's approved work schedule for installing sidewalk, curb, roadway base and/or pavement falls within the winter period of December 1st through April 1st, the Contractor will NOT be granted an extension of time for completion of this contract due to the winter shut-down period, unless otherwise provided in Schedule A.
- N. PRIVATE UTILITY HARDWARE ADJUSTMENTS will be performed by the owning utility company or its agent, at its expense. The Contractor shall notify the utility company 72 hours prior to start of work at each location where its hardware requires adjustment.
- O. RESTRICTED WORKING HOURS. Construction activities shall be restricted to the work schedules specified in the Traffic Stipulations provided at the end of these Special Provisions. Prior to undertaking any construction activities near the schools, work shall be scheduled in consultation with the school authorities and with the approval of the Engineer. No extension of time will be granted to the Contractor, for completion of this contract due to restricted working hours.
- P. <u>VEHICLE</u>. The Contractor shall be required to furnish one (1) vehicle to be used by Department of Design and Construction (DDC) personnel as assigned by the Deputy Commissioner of the Department, during the life of the Contract. No direct payment will be made for the vehicle, or associated costs. All costs shall be deemed to be included in all scheduled items

The Contracted vehicle shall be a new small SUV hybrid vehicle as approved by DDC's Director of Fleet Administration; and shall be equipped with a standard equipment package, and meet the following minimum specification:

- 1. Engine: Manufacturer's Standard 4 cylinder.
- 2. Transmission: Automatic.
- 3. Drive: Manufacturer's Standard 4 wheel drive.
- 4. Steering: Power.
- 5. Air Conditioning.
- 6. Body: 4 Doors.
- 7. Color: Manufacturer's Standard White.
- 8. Mirror: Left and Right.
- 9. Radio: AM/FM.
- 10. Electric Rear Defogger.
- 11. Brakes: Anti-Lock.
- 12. Air Bag: Dual
- 13. Anti-theft device (optional).
- 14. Power Windows and Locks.
- 15. Two sets of keys.
- 16. GPS navigation.
- 17. Hands-free telecommunication technology.
- 18. Fire Extinguisher.

- 19. First Aid Kit.
- 20. Any additional equipment will not be accepted by DDC.

The Contractor shall provide fuel, oil, proper maintenance, tires and replacement parts, to keep the vehicle in a safe operating condition, and shall undertake all repairs, including repairs arising from vandalism, accidents, or other damages. A Gas Company Card shall be furnished with each vehicle for fueling purposes. In the event that the vehicle requires maintenance or repairs which cannot be completed the same day, a comparable replacement vehicle shall be provided while the vehicle is out of service. If the vehicle is lost or stolen, the Contractor shall replace the vehicle within 5 business days with a comparable vehicle.

The vehicle shall be provided for the entire duration of this Contract, and shall be returned to the Contractor within thirty days after final acceptance of work or twelve months after substantial completion, whichever comes first. Contractor owned/leased vehicle provided pursuant to this Contract shall remain the property of the Contractor/ Leaser throughout the Contract period; shall be registered in the City's name. If leased vehicle are provided, the Contractor shall obtain from the leasing company the necessary documents allowing the vehicle to be registered as an official City of New York vehicle. The Contractor shall provide insurance for vehicle as set forth in Schedule A.

Within five (5) business days of receipt of notice to provide specified vehicle, the Contractor shall make the vehicle available for inspection by Fleet Administration. Upon determination by Fleet Administration that the vehicle satisfies requirements, the Contractor shall make arrangements through DDC's Fleet Administration for delivery to the DDC. The Contractor shall submit to Fleet Administration a signed MV-82 Part 10 authorizing registration in the City's name together with, in the case of a previously unregistered vehicle, the manufacturer's certification of origin or, in the case of a currently registered vehicle, a copy of the title.

All required transmittals to Fleet Administration shall be made as follows:

Agency Fleet Administrator

NYC Department of Design and Construction
30 - 30 Thomson Avenue, 4<sup>th</sup> Floor
Long Island City, New York 11101
Telephone No.: (718) 391-1852

When vehicle are no longer required under this contract, as described above, they shall be de-registered by the City and promptly returned to the Contractor.

- Q. <u>SURVEY MONUMENTS</u>. When working in the vicinity of survey monument the Contractor shall hand excavate per Item 8.02 A and 8.02 B at City Survey Monuments, for a distance of five (5) feet around each monument, as directed by the Engineer.
- R. RESTORATION OF ADJACENT AREAS. The Contractor shall be required to remove all form work. In planting strip areas, the Contractor shall be required to restore areas damaged as a result of his operations, to the satisfaction of the Engineer, with sod. The Contractor shall also, as directed by the Engineer, make safe adjacent areas to his work, such as: restoring missing or damaged pavement markings that were removed or damaged as a result of the Contractor's operations (as per requirements of Section 6.44 in the Standard Specifications); resetting granite blocks in tree pits; and, applying asphaltic concrete mixture (Item 4.02 CB) where badly broken sidewalk or curb may create a dangerous condition just outside his area of operation, where and when directed by the Engineer.

All restoration work shall be done to the satisfaction of the Engineer.

- S START OF CONTRACT WORK. The Contractor is notified that it is the intent of this Agency to commence work promptly after registration of the contract and to order the Contractor to commence work within two (2) months after registration.
- T. PRICES TO INCLUDE. No direct payment will be made for costs incurred in complying with the foregoing Special Provisions, unless otherwise provided. Said costs will be deemed to have been included in the prices bid for all the scheduled contract items.



# Department of Transportation

JANETTE SADIK-KHAN, Commissioner

#### **OCMC TRAFFIC STIPULATIONS**

02/22/2012

OCMC FILE NO: CONTRACT NO:

BXEC-12-032

HWXP136A

PROJECT:

RECONSTRUCTION OF GRAND CONCOURSE FROM EAST 166™ STREET TO EAST 1715 STREET

PERMISSION IS HEREBY GRANTED TO THE NYCDDC AND ITS DULY AUTHORIZED AGENT, TO ENTER UPON AND RESTRICT THE FLOW OF TRAFFIC AT THE ABOVE LOCATION AND ITS LOCAL ADJACENT STREETS FOR THE PURPOSE OF CARRYING OUT THE ABOVE NOTED PROJECT, SUBJECT TO THE STIPULATIONS, AS NOTED BELOW:

#### SPECIAL STIPULATIONS

- EMBARGOES A CONSTRUCTION EMBARGO WILL APPLY TO THOSE LOCATIONS BELOW WHICH FALL WITHIN THE HOLIDAY EMBARGO OR ANY OTHER SPECIAL EVENT EMBARGOES SUCH AS THE (OTHER EMBARGOES IF APPLICABLE) AS PUBLISHED BY THE BUREAU OF PERMIT MANAGEMENT AND CONSTRUCTION CONTROL.
- 2. BIKE LANES IF WORK IS IN OR AFFECTING A BIKE LANE, THE CONTRACTOR MUST POST ADVANCE WARNING SIGNS 350 FEET AND 200 FEET PRIOR TO THE WORK ZONE STATING "CONSTRUCTION IN BIKE LANE AHEAD PROCEED WITH CAUTION", AND ALSO POST A SIGN AT THE WORK ZONE STATING "CONSTRUCTION IN BIKE LANE PROCEED WITH CAUTION". SUCH SIGNS SHALL BE ORANGE, 3' X 3', DIAMOND-SHAPED WITH 4" BLACK LETTERING. SIGNS SHALL BE POSTED IN ACCORDANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD),
- 3. BUS STOPS THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO NYC DOT OCMC AND NEW YORK CITY TRANSIT (NYCT) A MINIMUM OF FIVE (5) WEEKS IN ADVANCE FOR LANE/STREET CLOSURES THAT AFFECT BUS ROUTES/BUS STOPS.
- 4. METERS THE CONTRACTOR MAY NOT REMOVE OR RELOCATE PARKING METERS WITHOUT FIRST OBTAINING APPROVAL FROM NYCDOT PARKING METER DIVISION AT 718-894-8651.
- ACCESS TO ABUTTING PROPERTIES THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABUTTING PROPERTY OWNERS TO ENSURE ACCESS IS PROVIDED TO/FROM ENTRANCES/DRIVEWAYS AT ALL TIMES.
- AUTHORIZED PARKING PRIOR TO PERFORMING WORK WHICH IMPACTS AUTHORIZED PARKING, THE CONTRACTOR SHALL SUBMIT IN WRITING, AND COPY OCMC-STREETS, A REQUEST TO OCCUPY SPACE CURRENTLY USED BY AUTHORIZED VEHICLES. APPROVAL MUST BE RECEIVED FROM AUTHORIZED PARKING PRIOR TO OCCUPYING THESE AREAS.
- NOTIFICATION THE CONTRACTOR MUST AT LEAST TWO (2) WORKING DAYS BEFORE THE START OF CONSTRUCTION NOTIFY THE NYC FIRE DEPARTMENT, NYC POLICE DEPARTMENT, NYCEMS, LOCAL COMMUNITY BOARD, BOROUGH PRESIDENT'S OFFICE-CHIEF ENGINEER, NYCDOT OCMC OFFICE, AND ALL ABUTTING PROPERTY OWNERS.
- 8. CONSTRUCTION INFORMATIONAL SIGNS THIS PROJECT REQUIRES A CONSTRUCTION PROJECT INFORMATIONAL SIGN (CPIS) IN ACCORDANCE WITH NYCDOT HIGHWAY RULE SECTION 2-02 (4) AND (5). CRITERIA AND A PROTOTYPE FOR THIS SIGN MAY BE FOUND ON THE NYCDOT WEBSITE AT: HTTP://WWW.NYC.GOV/HTML/DOT/HTML/PERMITS/STPERMIT.SHTML#INFO\_SIGNS.

#### **ENHANCED MITIGATIONS**

- o NYPD TRAFFIC AGENTS ARE REQUIRED FOR THIS PROJECT; 4 POSTS PLUS RELIEF ON POST FROM 7AM-7PM MONDAY-SATURDAY.
- O ENHANCED MITIGATIONS FOR PEDESTRIAN FLOW, INCLUDING METAL FENCING, SHALL BE PROVIDED TO ENSURE PEDESTRIANS STAY WITHIN THEIR DESIGNATED PATH/ROUTE. FLAGGERS SHALL BE PROVIDED TO ASSIST WITH PEDESTRIANS AT THE DESIGNATED CROSSWALK AREAS. THESE FLAGGERS SHALL BE ASSIGNED TO THIS FUNCTION ONLY.
- O VARIABLE MESSAGE SIGNS (VMS) SHALL BE PROVIDED FOR THIS PROJECT. THE LOCATIONS AND MESSAGES SHALL BE RECOMMENDED BY NYCDDC AND THEIR CONTRACTOR A MINIMUM OF TWO (2) WEEKS PRIOR TO WORK COMMENCING, FOR OCMC REVIEW AND APPROVAL.
- O "NO STANDING ANYTIME-TEMPORARY CONSTRUCTION" SIGNS AND TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED AND MAINTAINED AS WARRANTED BY THE MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) REQUIRED TO FACILITATE TRAFFIC MOVEMENTS THROUGH THE WORK ZONE. ALL TEMPORARY SIGNS AND PAVEMENT MARKINGS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
- O COMMUNITY OUTREACH SHALL BE PROVIDED FOR THE DURATION OF THE PROJECT.

**NYC Department of Transportation** 

Bureau of Permit Management and Construction Control

55 Water Street - 7th Floor, New York, NY 10041

T: 212.839.9621 F: 212.839.8970

www.nyc.gov/dot

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PRECONSTRUCTION OF GRAND CONCOURSE FROM EAST 166TH STREET TO FAST 171TH STREET

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- CONVERSIONS FROM EWO-WAY STREETS TO ONE-WAY STREETS MUST OCCUR WITH PROPER SEVEN DAY NOTIFICATIONS TO
  THE COMMUNITY. THE CONTRACTOR SHOULD PROVIDE A TRAFFIC CONTROL PLAN TO OCAC-STREETS, WHICH SHOULD INCLUDE
  APPROPRIATE ONE-WAY ARROWS, "DO NOT SHITER" AND "NEW" SIGNS, THE FOLLOWING STREETS ARE TO BE CONVERTED FROM
  TWO-WAY TO ONE-WAY STREETS:
- ALL MITIGATIONS INCLUDING: VARIABLE MESSAGE BOARDS, NYPD INTERSECTION TRAFFIC AGENTS, PARTING AND BUS STOP SIGNAGE MUST BE IN PLACE AND MAINTAINED FOR THE LIFE OF THE PROJECT.
- O ALL SIGNAGE AND LANE CLOSURES MUST BE IN COMPLIANCE WITH MPT CONTRACT PLANS
- COORDINATION Must coordinate with specific special events such as the Puesto-Rico day parade prior to starting work

#### B. MAINTENANCE AND PROTECTION OF TRAFFIC

# STAGE I, II

# Segments

- 1. Grand Concourse service roadway between East 165\* Street and East 166\* Street (Stage I)
- 2. Grand Concourse service roadway between East 166" Street and East McClellan Street (Stage I)
- Work hours shall be as follows: 7am-8pm Manday-Friday
- Maintain one 11 ff lane for traffic and one bicycle lane all the time on service roadway
- . Maintain 8th clear on the sidewalk all the time
- Must coordinate with the Bronx Housing Court, NYC Department of Health facility, nursing home and the Museum prior to starting work
- Must outreach to the Bronx Housing Court as it relates to the interruption or relocation of the authorized
  parking. Must coordinate with NYCDOT Authorized Parking Division and OCMC-Streets prior to
  starting work.
- East 166th Street between grand Concourse and Walton Avenue and East 166th Street between grand
  Concourse and Corroll Place shall be converted from two-way street to one-way street directing
  East.
- 3. Grand Concourse service roadway between East McClellan Street and Tudor Place (Stage I)
- 4. Grand Concourse service roadway between Tudor Place and East 167th Street (Stage I)
- 5. Grand Concourse service roadway between East 167th Street and East 168th Street (Stage 1, II)
- 6. Grand Concourse service roadway between East 168th Street and East 169th Street (Stage 1, II)
- 7. Grand Concourse service roadway between East 168th Street and East 169th Street (Stage I)
- 8. Grand Concourse service roadway between East 169th Street and Clarke Place East (Stage I)
- 9. Grand Concourse service roadway between East 169th Street and Marcy Place (Stage II)
- Grand Concourse service roadway between Marcy Place and Elliot Place (Stage I, II)
   Grand Concourse service roadway between Elliot Place and East 170th Street (Stage I, II)
- 12. Grand Concourse service roadway between East 170™ Street and East 171≠ Street (Stage II)
- 13. Grand Concourse service roadway between East 171 Street and East 172 Street (Stage I, E)
  - Work hours shall be as follows; 7am-6pm Monday-Friday
  - . Maintain one 11 ff lane for traffic and one bicycle tane in service roadway oil the time
  - · Maintain 8ft clear on the sidewalk all the time

#### 14. Grand Concourse service roadway between Clarke Place East and Marcy Place (Stage I. II)

- Work hours shall be as follows: Monday-Friday 9am-2pm. When school is in recess, the contractor may work 7am-6pm Monday-Friday.
- Maintain one 11 ft iane for traffic and one bicycle lane in service roadway all the time
- Maintain 8ft clear on the sidewalk all the time
- Must coordinate with school prior to starting work
- Work shall be performed on one side of the school at a time.

#### 15. Clarke Place East between Grand Concourse and Walton Avenue (Stage I, II)

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RECONSTRUCTION OF GRAND CONCOURSE FROM EAST 18614 STREET TO EAST 1719 STREET

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#### 16. Elliot Place between Grand Concourse and Walton Avenue

- Work hours shall be as follows: 7am-6am Monday-Friday
- Maintain one 1) It lane for traffic all the time
- Maintain 5ft clear on the sidewalk all the time

#### Marcy Place East between Grand Concourse and Watton Avenue (Stage I, II)

- Work hours shall be as follows: 9am-2pm Monday-Friday. When school is in recess the contractor may work 7am-6pm Monday-Friday.
- Maintain one 11 If lane for traffic all the time
- Maintain 5ff clear on the sidewalk all the time
- Must coordinate with school prior to starting work

# 18. East 169th Street between Grand Concourse and Walton Avenue (Stage I)

#### 19. East 169th Street between Grand Concourse and Sheridan Avenue (Stage I)

- Work hours shall be as follows: 7am-6pm Manday-Friday
- Maintain two 11 ft lanes for traffic all the time

#### Intersections

#### 20. Grand Concourse service roadway and East 165th Street (Stage I)

- Work hours shall be as follows:
- 9am-4pm Monday-Friday
- Maintain one 11 ft lane for traffic and one bloycle lane on Grand Concourse service roadway and maintain four lanes (two lanes in each direction) all the time on East 165th Street
- Maintain 8ff clear on the sidewalk all the time
- 21. Grand Concourse service roadway and East 166\* Street (Stage I)

#### 22. Grand Concourse service roadway and McClellan Street (Stage I. II)

- Work hours shall be as follows: 7am-épm Monday- friday
- Maintain one 11 It lane for traffic on both roadways and one bicycle lane on Grand Concourse service roadway all the time.
- Maintain 8ft clear on the sidewalk all the time
- 23. Grand Concourse service roadway and Tudor Place (Stage I, II)
- 24. Grand Concourse service roadway and East 168th Street (Stage I)
- 25. Grand Concourse service roadway and Elliot Place (Stage I, II)
- 26. Grand Concourse service roadway and East 170th Street service road (Stage I)

#### 27. Grand Concourse service roadway and East 171st Street (Stage I, II)

- Work hours shall be as follows: 7am-6pm Monday-Friday
- Maintain one 11 ff lone for traffic on both roadways and one bicycle lane on Grand Concause service roadway all the time
- Maintain 8ft clear on the sidewalk all the time
- Tudor place between Grand Concourse and Walton Avenue shall be converted from two-way street to one way street directing East.
- East 158th Street between Grand Concourse and Grandview Place shall be converted from two-way street to one-way street directing West,
- East 168th Street between Grand Concourse and Sheridan Avenue shall be converted from two-way street to one-way street directing East.

# 28. Grand Concourse service roadway and East 169th Street (Stage I, II)

- Work hours shall be as follows: 7am-6pm Monday-Friday.
- Maintain one 11 ft lane on Grand Concourse service roadway and two 1.1ft lanes on East 169th Street for traffic and one bicycle lane on Grand Concourse service roadway all the time
- Maintain 8H clear on the sidewalk all the time

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RECONSTRUCTION OF GRAND CONCOURSE FROM EAST 16614 STREET TO EAST 17151 STREET

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#### 29. Grand Concourse service roadway and Clarke Place East (Stage I. II)

#### 30. Grand Concourse service road and Marcy Place (Stage I, II)

- Work hours shall be as follows: 9am-2pm Monday-Friday. When school is in recess, the contractor may work 7am-6pm Monday-Friday.
- Maintain one 11 ft tane for traffic on both roadways and one bicycle lane on Grand Concause service roadway all the time
- Mointain 811 clear on the sidewalk all the time
- Must coordinate with school prior to starting work
- Wark shall be performed on one side of the school of a time.

# STAGE III

#### Intersections

#### 31. Grand Concourse service roadway and East 166th Street

- Work hours shall be: 9am-4pm Monday-Friday.
- During work hours maintain one 11ff tane for two way traffic on East 166th street and one 11ff lane on Grand Concourse service roadway. Full width at the roadway shall be open to traffic after work hours.
- · Mointain 8ft clear on the sidewalk for pedestrians.
- Must provide flagmen to assist the traffic.

#### 32. Grand Concourse service roadway and McClelian Street

- Work hours shall be: 9am-4pm Monday-Friday.
- During work hours maintain one 11ft lane on Grand Concourse service roadway and McClellan Street.
   Full width of the roadway shall be open to traffic after work hours.
- Maintain 8th clear on the sidewalk for pedestrians.

#### 33. Grand Concourse service roadway and East 168th Street

- Work hours shall be: Fam-4pm Monday-Friday.
- During work hours maintain one 11ft lane for two way traffic on East 168th street and one 11ft lane on Grand Concourse service roadway, Full width of the roadway shall be open to traffic after work hours.
- Mointain 8ft clear on the sidewalk for pedestrians.
- Must provide flagmen to assist the traffic.

#### 34. Grand Concourse service roadway and East 169\* Street

- Work hours shall be: 9am-4pm Monday-Saturday.
- During work hours maintain one 11th lane for two way traffic on East 169h street and one 11ft lane on Grand Concourse service roadway. Full width of the roadway shall be open to traffic after work hours.
- Maintain 8th clear on the sidewalk for pedestrians.
- Must provide flagmen to assist the traffic.

#### 35. Grand Concourse service roadway and Clarke Place

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CONTRACT NO: PROJECT:

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RECONSTRUCTION OF GRAND CONCOURSE FROM EAST 166" STREET TO EAST 17 19" STREET

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 Work hours shall be: 9am-2pm Monday-Friday. When school is in recess, the contractor may work 9am-4pm Monday-Friday.

- During work hours maintain one 11ff lane on Grand Concourse service roadway and Clarke Place, full
  width of the roadway shall be open to traffic after work hours.
- Maintain 8ft clear on the sidewalk for pedestrians.
- Must coordinate with school prior to starting work.

#### 36. Grand Concourse service roadway and Marcy Place

- Work hours shall be: 9am-2pm Monday-Friday, When school is in recess, the contractor may work
   9am-4pm Monday-Friday,
- During work hours maintain one 11ff lane on Grand Concourse service roadway and Marcy Place. Full width of the roadway shall be open to traffic after work hours.
- Maintain 8ff clear on the sidewalk for pedestrions.
- Must coordinate with school prior to starting work.

#### 37. Grand Concourse service roadway and Elliot Place

- Work hours shall be: 9ar
  - 9am-4pm Monday-Filday
- During work hours maintain one 11ff lane on Grand Concourse service roadway and Elliot Place. Full width of the roadway shall be open to traffic after work hours.
- Maintain 8th clear on the sidewalk for pedesirians.

#### 38. Grand Concourse service roadway and East 170th Street

- Work hours shall be:
- 9am-4pm Monday-Friday
- During work hours maintain one 13th lane on Grand Concourse service roadway and two 13th lanes on East 170th Street. Full width at the roadway shall be open to traffic after work hours.
- Maintain 8th clear on the sidewalk for pedestrians.

# 39. Grand Concourse service road and East 171# Street

- Work hours shall be:
- 9am-4pm Monday-Friday
- During work hours maintain one 11ft lane on Grand Concourse service roadway and on East 171= Street
  maintain one 11ft lane for one way street (west side) and one 11ft for two way street (east side). Full
  width of the roadway shall be open to traffic after work hours.
- Maintain 8ff clear on the sidewalk for pedestrians.
- Must provide flagmen to assist the traffic.

#### <u>Segments</u>

#### 40. Grand Concourse service roadway between East 165th Street and East 166th Street

- Work hours shall be:
- 7am-épm Monday-Friday.
- During work hours maintain on 11th lane traffic an Grand Concourse service roadway. Full width of the
  roadway shall be open to traffic after work hours.
- Maintain 8ff clear on the sidewalk for pedestrians.
- 41. Grand Concourse service roadway between East 166th Street and McClellan Street.
- 42. Grand Concourse service roadway between McClellan Street and Tudor Place,

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RECONSTRUCTION OF GRAND CONCOURSE FROM EAST 166<sup>th</sup> STREET TO EAST 171<sup>th</sup> STREET

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43. Grand Concourse service roadway between East 167th Street and East 168th Street.

- 44. Grand Concourse service roadway between East 168th Street and east 169th Street...
- 45. Grand Concourse service roadway between East 169th Street and Clarke Place.
- 46. Grand Concourse service roadway between Elliot Place and East 170° Street.
- 47. Grand Concourse service roadway between East 170th Street and East 171th Street.
- 48. Grand Concourse service roadway between East 171" Street and East 172" Street.
- Work hours shall be:

7am-6pm Monday-Friday.

- During work hours maintain one I lift lane traffic on Grand Concourse service roadway. After work hours occupy 8ff adjacent to the curb.
- Maintain 8ff clear on the sidewalk for pedestrians.

#### 49. Grand Concourse service roadway between Clarke Place And Marcy Place

- Work hours shall be: 9am-2pm Monday-Friday. When school is in recess the contractor may work 7am-spm Monday-Friday.
- During work hours maintain one 13ff iane traffic on Grand Concourse service roadway. After work hours occupy 8th adjacent to the curb.
- Maintain 8ft clear on the sidewalk for pedestrians.
- 50. East 166th Street between Carroll Place and Grand Concourse
- 51. East 168" Street between Grandview Pace and Grand Concourse
- 52. East 168th Street between Grand Concourse and Sheridan Avenue
- 53. East 169th Street between Grand Concourse and Walton Avenue
- 54. East 1714 Street between Grand Concourse and Walton Avenue
- Work hours shall be 7am-6pm Monday-Friday.
- During work hours maintain one 11ft lane for two way traffic and after work hours ull width of the roadway shall be open to traffic.
- Must provide flagmen to assist the traffic.
- Maintain 5ff clear on the sidewalk for pedestrions.
- 55. McClelian Street between Carroll Place and Grand Concourse
- 56. Clarke Place between Grand Concourse and Walton avenue
- 57. Elliot Place between Grand Concourse and Walton Avenue
- Work hours shall be 7am-6pm Monday-Riday.
- During work hours maintain one 11ft lane for two way traffic and after work hours the contractor may accupy 8ft adjacent to the curb.
- Must provide flagmen to assist the traffic.
- Maintain 5ft clear on the sidewalk for pedestrians.
- 58. Clarke Place between Grand Concourse and Walton avenue

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RÉCONSTRUCTION OF GRAND CONCOURSE FROM EAST 16614-STREET TO EAST 1714/STREET

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 Work hours shall be 9am-2pm Monday-Friday. When school is in recess the contractor may work 7am-6pm Monday-Friday.

- Maintain one 11ff lane for traffic during work hours and after work hours the contractor may accupy 8ff adjacent to the curb.
- Maintain 5ft clear on the sidewalk for pedestrians.

#### 59. East 171" Street between Grand Concourse and Sheridan Avenue

- Work hours shall be 9am-2pm. Monday-Friday. When school is in recess the contractor may work 7am-6pm Monday-Friday.
- During work hours maintain one 11ft lane for two way traffic and after work hours the contractor may accupy 8ft adjacent to the curb.
- Maintain 5th clear on the sidewalk for pedestrians.

#### STAGE IV-V

#### 40. Segments on Grand Concourse service roadway

- When working in front of the school work hours shall be 9am-2pm Monday-Friday. When school is in recess work hours shall be 7am-6pm Monday-Friday.
- When working on all other segments work hours shot be 7am-6pm Monday-friday.
- Maintain an 8th clear sidewalk or a 5th clear pedestrian walkway on the roadway.
- Occupy 10th width of the roodway adjacent to the curb.
- Maintain a 12 if wide lane for traffic open all the time.

#### 61. Intersections on Grand Concourse service roadway and cross streets.

- When working on the immediate intersection next to the school work hours shall be 9am-2pm Monday-Friday. When school is in recess work hours shall be 9am-4pm Manday-Friday.
- When working an all other intersections work hours shall be 9am-4pm Manday-Friday.
- Maintain an Sti clear sidewalk or a 5th clear pedestrian walkway on the roadway.
- Occupy 10ff width of the readway adjacent to the curb.
- Maintain a 12 ft wide lane for traffic open on Grand Concourse service road. Maintain one 11ft lane on one way cross streets and two 11ft lanes on two way cross streets all the time.

#### 62. Segments on cross streets

- When working in front of the school work hours shall be 9cm-2pm Monday-Friday. When school is in recess work hours shall be 7cm-6pm Monday-Friday.
- When working on all other segments work hours shall be 7am-4pm Monday-Friday.
- Maintain a 5ff clear sidewalk or a 5ff clear pedestrian walkway on the roadway.
- Occupy 8ff width of the roadway adjacent to the curb. Full width of the roadway shall be open to traffic after work hours.
- Maintain one 11ff lane on one way cross streets and two 11ff lanes on two way cross streets all the time.

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RECONSTRUCTION OF GRAND CONCOURSE FROM EAST 14614 STREET TO EAST 1715 STREET

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02/22/2012

#### STAGE VI-VII

#### 43. Segments on Grand Concourse (main roadway and service roadway)

- When working in front of the school work hours shall be 9am-2pm. When school is in recess work hours shall be 7am-6pm Monday-Fiday.
- When working on all other segments work hours shall be: Northbound direction 7am-3pm Monday-Friday. Southbound direction work hours shall be 9am-4pm Monday-Friday.
- On days when New York Yankees play home games, work shall stop two hours before till two hours after the game.
- The contractor shall work on one direction of the street of a time and shall not impact the other direction.
- Maintain one 12ft lane on the service road and a 8ft parking lane. Maintain three 11ft lanes on the main
  roadway, one lane on the side where the work is occurring and two lanes in the apposite direction.
- After work hours maintain one 12ff lane on the service road, one 5ff shared bicycle lane and a 8ff parking tane. On the main road maintain two lanes in each direction.
- Install "Snare Lane with bicycles" signs.

#### 64. Intersections on Grand Concourse (main roadway and service roadway) and cross streets,

- Wrien working on the immediate intersection next to the school work hours shall be 9am-2pm Monday-Friday. When school is in recess work hours shall be 7am-4pm Monday-Friday.
- When working on all other segments work hours shall be: Northbound direction 7am-3pm Monday-Friday and Saturdays 8am-4pm, Southbound direction 9am-4pm Monday-Friday and Saturdays 8am-4pm.
- The contractor shall work on one direction of the street at a time and shall not impact the other direction.
- Maintain one 12ft lane on the service road and three 11ft lanes on the main road. On the cross streets
  maintain one 11ft lane for one way streets and two 11ft lanes for two way streets.
- After work hours maintain one 12ft lane on the service road and two lanes in each direction on the main road. On the cross streets maintain one 11ft lane for one way streets and two 11ft lanes for two way streets.

# 65. Segments on cross streets

- When working in front of the school work hours shall be 9am-2pm Monday-Friday. When school is in recess work hours shall be 7am-6pm Monday-Friday.
- When working on all other segments work hours shall be 7am-6pm Monday-Friday and Saturdays 8am-4pm.
- On days when New York Yankees play home games, work shall stop two hours before till two hours after the game.
- On the cross streets maintain one 11th lane for one way streets and two 11th lanes for two way streets.
- After work hours full width of the roadway shall be open to traffic.

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RECONSTRUCTION OF GRAND CONCOURSE FROM EAST 166th STREET TO EAST 1770T STREET Page 9 at 9

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#### C. GENERAL NOTES

- 1. IHIS IS NOT A PERMIT. THIS STIPULATION SHEET MUST BE SUBMITTED WITH ALL REQUESTS FOR PERMITS PERTAINING TO THE ABOVE CONTRACT AND PRESENT AT THE WORK SITE ALONG WITH ALL ACTIVE CONSTRUCTION PERMITS WHEN THE APPROVED WORK IS BEING
- 2. ALL RELOCATION WORK BY THE UTILITIES SUCH AS; CON EDISON, TELEPHONE, GAS AND CABLE COMPANIES SHALL PRECEDE THE CONTRACTORS' START OF WORK ON ALL AFFECTED ROADWAYS IN THE IMPACTED CONTRACT AREA.
- 3. THE CONTRACTOR IS ADVISED THAT OTHER CONTRACTORS MAY BE WORKING IN THE GENERAL AREA DURING THE TERM OF THIS STIPSLATION. IN WHICH EVENT, THE CONTRACTOR MAY REQUIRE MODERCATIONS BY THE O'CMC-STREETS.
- 4. THE PERMITTEE IS NOT AUTHORIZED TO ENTER, OCCUPY OR USE ANY PUBLICLY-OWNED OR PRIVATELY OWNED, MON-PAYED, LANDSCAPE OR NON-LANDSCAPED LOCATION WITHOUT SPECIFIC WRITTEN PERMISSION, WHEN THE LOCATION IS WITHIN THE RICHT-OF-WAY OF A LAMITED-ACCESS ARTERIAL HIGHWAY, WRITTEN APPROVAL FROM THE NYCDOT OCMC-HIGHWAYS IS REQUIRED. WHEN THE LOCATION IS WITHIN THE RIGHT-OF-WAY OF A PUBLIC STREET OR PUBLIC PARK, WRITTEN APPROVAL FROM THE NEW YORK CITY DEPARTMENT OF Transportation or New York City Department of Parks and Regreation is required. When the Location is within the RIGHT-OF-WAY OF ANY OTHER JURISDICTION SUCH AS PRIVATE PROPERTY, STATE, FEDERAL ETC., IT IS THE PERMITTEE'S RESPONSIBILITY TO DETERMINE THE PROPERTY OWNER AND OBTAIN THE WRITTEN APPROVAL.
- 5. THE PERMITTEE SHALL ADHERE TO THE NYCOOT BURGAN OF BRIDGES' SPECIAL PROVISIONS FOR LANDSCAPE PROTECTION. MAINTENANCE AND RESTORATION, ITEMS 1.18.15 THROUGH 1.18, 19, WHENEVER AND WHEREVER ANY OF THE PERMITTEE'S ACTIVITIES OCCUR WITHIN A LIMITED ACCESS ARTERIAR HIGHWAY RIGHT - OF - WAY.
- 6. NO DEVIATION OF DEPARTURE FROM THESE STIPULATIONS WELL SE PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL FROM THE OCMC-STREETS. REQUEST FOR SLICH MODIFICATIONS SHALL BE SUBMITTED TO THE OFFICE OF THE OCMC-STREETS, NEW YORK CITY DEPAREMENT OF TRANSPORTATION, A MINIMUM OF TWENTY (20) DAYS IN ADVANCE FOR CONSIDERATION.
- 7. FOR THIS PROJECT THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY ADVANCE WARNING AND DETOUR SIGNS, TEMPORARY CONTROL DEVICES, BARRICADES, LIGHTS AND FLASHING ARROW BOARDS IN ACCORDANCE WITH THE "MAMUAL ON UNIFORM TRAFFIC CONTROL DEVICES," THE TYPICAL SCHEMES INCLUDED IN THIS SPICIFICATION; AND AS ORDERED BY THE ENGINEER-IN-CHARGE AND THE OCMC-STREETS.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING HIS CONSTRUCTION SIGNAGE. THE IDENTIFICATION SHALL INCLUDE THE CONTRACTOR'S NAME, SPONSORING AGENCY NAME AND THE CONTRACT NUMBER. THE IDENTIFICATION SHALL BE PLACED ON THE BACK OF THE SIGN. THE LETTERING SHALL BE THREE (3) INCHES HIGH.
- 9. FOR ANY CONSTRUCTION ACTIVITY RESULTING IN THE FULL CLOSURE OF A ROADWAY FOR MORE THAN 180 CONSECUTIVE CALENDAR DAYS, THE CONTRACTOR MUST PRODUCE AND SUBMIT A COMMUNITY REASSESSMENT, IMPACT AND AMELIORATION (CRIA) STATEMENT TO NYCOOT PLANNING AND OBTAIN THEIR APPROVAL BEFORE APPLYING FOR PERMITS, IN COMPLIANCE WITH THE PROVISIONS OF LOCAL LAW 24 STREET CLOSURE LAW.
- 10. THE OCMIC-Streets reserves the right to void or modey these stipulations should construction fail to commence within TWO (2) YEARS OF THE SIGNED DATE OF THISE STIPULATION

11. THE CONTRACTOR MUST COMPLY WITH ALL CONSTRUCTION EMBARGOS ISSUED BY THE NYC DOT INCLUDING THE HOLIDAY EMBARGO.

PROJECT MANAGER

OCMC-STREETS

JPN/IL



# THE CITY OF NEW YORK Department of Sanitation

S. ELIZABETH SEARLE Assistant Commissioner for Legal Affairs

Bureau of Legal Affairs 44 Beaver Street New York, NY 10004 Telephone (212) 837-8110 FAX (212) 837-8243

Department of Sanitation Rules and Regulations Governing Non-Putrescible Solid Waste Transfer Stations

#### INTERPRETIVE MEMORANDUM # 2 February 14, 1995

Subject: Temporary Storage and Processing of Construction and Demolition Debris by New York City Agency Contractors

Contractors performing construction work for New York City agencies may be required to excavate dirt, concrete, rock, gravel and similar materials ("construction materials") from a contract site or to remove from a contract site construction materials resulting from construction, demolition, alteration, repair or removation of structures, streets or buildings. On street construction projects, construction materials required to be excavated or removed may also include asphalt. The purpose of this Interpretive Memorandum is to (a) define the circumstances under which the Department of Sanitation (the "Department") will not deem its Rules and Regulations Governing Non-Putrescible Solid Waste Transfer Stations (the "Rules") to apply to the temporary storage, processing and/or stockpiling (collectively, "stockpiling") of such construction materials and (b) the procedure for ensuring such exemption. It is the responsibility of the contracting agency to oversee its contractors' compliance with the Rules and with this Interpretive Memorandum.

# 1. When No Transfer Station Permit is Required

Where a City contractor has:

- (a) set aside an area of a contract site for stockpiling construction materials excavated from and/or intended for that site; or
- received written approval from the contracting agency for an off-site stockpiling location,

the Department will not deem such stockpiling location a transfer station and will not require the contractor to obtain a transfer station permit so long as:

- (c) no construction materials or debris from off the contract site are received at the designated location for subsequent transfer to another location (other than the contract site); and
- (d) the temporary stockpiling location is clearly described as such in the contract or clearly approved by the construction agency and designated as such in writing to the Department by the agency; and
- (e) the construction agency represents in writing to the Department that such agency will monitor the temporary stockpiling location and ensure its clean-up and restoration pursuant to the procedures set out in this memorandum.



New York's Waste.



Example: Street Construction Projects

As part of a contract for street construction, the contractor may be working at one end of a street and using an area at the other end of the street for the temporary stockpiling of construction materials. Both ends of the street are part of the construction contract site. In addition, the contractor may have leased an off-site location for temporary stockpiling of materials, which, following processing, will be reincorporated into the contract site, with some portion of the remainder designated for delivery to a Department disposal facility. Neither location will be regulated by the Department as a transfer station so long as the procedures set out in this memorandum are followed.

# 2. Procedure for Exception.

Upon a City construction agency's approval of any location to be designated as a temporary processing, storage or stockpiling area, that agency must determine that (a) its contract with the contractor provides for clean-up and restoration of such area by, for example, the contractor's posting of a restoration bond and/or by contractual set-off and (b) the agency has adequate procedures for monitoring the designated area to ensure that it does not violate the provisions set forth in this memorandum and that such location is cleaned up and restored at the completion of the contract work.

The City construction agency must submit an official letter to the Department acknowledging compliance with both (a) and (b) immediately above and representing that the agency will ensure the contractor's compliance. The letter to be submitted must be in substantially the following form, addressed to the Director, Bureau of Waste Disposal, Department of Sanitation, 125 Worth Street, Room 726, New York, NY 10013:

"The New York City Department of	(the "Agency")
has awarded a construction contract to (the "Contractor") for work to be perf	(Contractor)
Site)	
a. This Agency has approved the following lo Contractor for the temporary storage, processing at construction materials (the "Stockpiling Locations' construction site or intended for the construction si	nd/or stockpiling of " ") excavated from the
h The terms of the contract require the Contract	actor to clean up and metors

c. This Agency assumes responsibility for the monitoring of Stockpiling Locations to ensure that only materials received from and/or intended for the construction site are stockpiled at such locations and we will enforce clean-up and restoration of such Locations at the end of their use for temporary stockpiling or at the termination of the contract, whichever occurs carlier, through restoration

Stockpiling Locations, whether on or off the contract site, at or before the

completion of the contract work.

bonding requirements and/or contractual set-off provisions such that the costs of clean-up and restoration will not become a charge to the Department or the City, "

# 3. When a Transfer Station Permit is Required

A transfer station permit will be required under any circumstances other than those outlined above. Except in the specifically defined circumstances set forth in this memorandum, any operator of a location or facility which receives, processes, stores or stockpiles construction and demolition debris or fill material for purposes of transfer to another location, including to a New York City Department of Sanitation facility, and whether or not under contract to the Department for the delivery of such materials, will be fully subject to the Department's transfer station rules and liable for enforcement for violations.

(NO TEXT ON THIS PAGE)

#### ATTACH TO CONTRACT DOCUMENTS

THE CITY OF NEW YORK
DEPARTMENT OF DESIGN AND CONSTRUCTION
INFRASTRUCTURE DIVISION
BUREAU OF DESIGN

PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS
FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

BOROUGH OF THE BRONX CITY OF NEW YORK

ADDENDUM NO. 2

DATED: November 1, 2012

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS

- 1. Any substantial modification of the Contract shall be subject to approval by the State Commissioner of Transportation and the Federal Highway Administration, in addition to the City agencies involved.
- 2. The Contractor shall be responsible for compliance with all the provisions of the following Schedules of Federal and State requirements which are hereby made a part of the original contract documents and are annexed hereto:

Attachment "A" - Required Contract Provisions for Federal-Aid Projects - FHWA 1273

Attachment "B" - New York State Contract Requirements - including
Worker's Compensation and Liability Insurance, Labor
and Employment, Non-Assignment of Agreement, NonCollusive Bidding Certifications, Debarment History
Certification, Lobbying Activity Certifications, and
Appendix C (Disclosure of Lobbying Activities)

Attachment "C" - Federal-Aid Contracts - Notice to All Prospective Bidders

Attachment "D" - Provisions Relating to the NYS Labor Law, Prevailing Wages, and the Use of Convict Labor, Etc.

Attachment "E" - "Buy America" Requirements & Waivers

Attachment "F" - Equal Opportunity Requirements for Federal Aid Contracts

Attachment "G" - NO TEXT

Attachment "H" - Disadvantaged Business Enterprises Utilization Requirements

Attachment "I" - Training Special Provision

Attachment "J" - NO TEXT

Attachment "K" - Changed Conditions, Disputed Resolution and Disputed Work Provisions

Attachment "L" - Contractor Initiated Value Engineering Change Proposals (CIVEC)

Attachment "M" - NO TEXT

Attachment "N" - Itemized Proposal

Attachment "O" - US DOT Hotline / NYS Inspector General Hotline

Attachment "P" - Prompt Payments by the Contractor / Civil Rights
Monitoring and Reporting

Attachment "O" - Iran Divestment Act

In addition to compliance with the above Federal and State requirements, the Contractor shall also be required to comply with all City requirements as depicted in the Information for Bidders and Standard Construction Contract herein. Wherever a conflict may exist, the Federal Regulations shall take precedence.

- 3. The Contractor shall not pay less than the highest minimum hourly rates as set forth by Federal, State or City laws.
- 4. The Contractor shall maintain his records in conformity with the current NYSDOT "Manual for Uniform Record Keeping", referred to as MURK, copies of which are available on line at the NYSDOT website www.dot.state.ny.us, Construction division, manuals. A copy of the manual can also be purchased from the NYSDOT Plan Sales Office at 518-457-2124. The entire manual or individual parts can be purchased by personal or business check or money order.

Part A Contract Administration Manual Part B Construction Inspection Manual Part C Safety & Health Program Manual Part D Construction Consultant Manual

- 5. In accordance with FHPM 1-6-2, (23U.S.C.315) dated July 2, 1979, the construction work performed under this Contract shall be available to be subject to inspection at all times by the New York State Department of Transportation and the Federal Highway Administration.
- 6. Amendments to Information for Bidders:
  - a) Refer to Page 6, SECTION 20. Low Tie Bids;

    Delete Article 20 in its entirety and substitute the words

    "20. (NO TEXT).
  - b) Refer to Pages 6 and 7, Subsection 21.(C), Rejection of All Bids and Negotiation With All Responsible Bidders;

    Delete Sub-Article 21.(C) in its entirety and substitute the words "(C) NO TEXT."
  - C) Refer to Pages 8 and 9, SECTION 26. Bid, Performance and Payment Security;
    Add the following:
  - "(F) Bidders are hereby advised that the apparent low Bidder, as determined at the bid opening or subsequently notified that its firm is the low Bidder, will be required to submit within seven (7) days a complete DBE Pre-Award Utilization Package in compliance with SECTION 102-12H of the NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS using their approved civil rights reporting software called EBO. For EBO software see Attachment "P", CIVIL RIGHTS MONITORING AND REPORTING."

- d) Refer to Page 9, SECTION 27. Failure to Execute Contract, 6th, 7th and 8th lines;
  - <u>Delete</u> the sentence beginning with the words: "No plea of mistake in such..." in its entirety.
- e) Refer to Page 10, SECTION 30. Labor Law Requirements, Sub-Article (A) General:
  - Add the following at the end of the Section: "This provision shall apply to subcontractors also."
- f) Refer to Page 11, Subsection 33.(B), Variations from Engineer's Estimate;
  - Delete Subsection 33.(B) in its entirety. See Attachment "K", Page A2-K2 and A2-K3, Significant Changes in the Character of Work, Sub-Article 3.(iv)(B).
- g) Refer to Pages 12 and 13, SECTION 37. Locally Based Enterprise Requirements (LBE);
  - Delete the SECTION, in its entirety. See Attachment "H"

    Disadvantaged Business Enterprise Utilization

    Requirements.
- 7. Amendments to Standard Construction Contract:
  - a) Refer to Pages 10 and 11, ARTICLE 7. PROTECTION OF WORK AND OF
    PERSONS AND PROPERTY; NOTICES AND INDEMNIFICATION;
    Add the following:
    - "7.7 In addition to the requirements stipulated herein, all work performed under this Contract shall comply with the safety and health standards of the Occupational Safety and Health Administration (OSHA) of the U.S. Department of Labor."
  - b) Refer to Page 12, Sub-Article 9.3;

    Delete the first sentence starting with the words: "If the

    Contractor..." and ending with the words "...progress schedule."
  - C) Refer to Page 18, ARTICLE 16. OCCUPATION OR USE PRIOR TO COMPLETION; Delete Sub-Article 16.1.4, in its entirety.
  - d) Refer to Pages 18 and 19, ARTICLE 17. SUBCONTRACTS;

    Delete Sub-Article 17.9.1, in its entirety;

    Substitute the following revised Article 17.9.1:
    - "17.9.1 Payment to **Subcontractors**: The agreement between the **Contractor** and its **Subcontractors** shall contain the same terms and conditions as to method of payment for **Work**, labor and materials, as are contained in this **Contract**."

- e) Refer to Pages 18 and 19, ARTICLE 17. SUBCONTRACTS;

  Delete Sub-Articles 17.11 and 17.12, in their entirety;

  Substitute the following revised Articles 17.11 and 17.12:
- "17.11 On Contracts where 100% performance bonds and payment bonds are executed, the Contractor shall include on each requisition for payment the following data: Subcontractor's name, value of the subcontract, total amount previously paid to Subcontractor for Work previously requisitioned, and the amount to be paid to the Subcontractor for Work included in the requisition.
- 17.12 On **Contracts** where performance bonds and payment bonds are not executed, the **Contractor** shall include with each requisition for payment submitted hereunder, a signed statement from each and every **Subcontractor** and/or **Materialman** for whom payment is requested in such requisition. Such signed statement shall be on the letterhead of the **Subcontractor** and/or **Materialman** for whom payment is requested and shall (i) verify that such **Subcontractor** and/or **Materialman** has been paid in full for all work performed and/or material supplied to date, exclusive of any amount retained and any amount included on the current requisition, and (ii) state the total amount of retainage to date, exclusive of any amount retained on the current requisition."
- f) Refer to Page 20, ARTICLE 19. SECURITY DEPOSIT;
  Delete Sub-Article 19.1, in its entirety;
  Substitute the following Sub-Article 19.1:
- "19.1 The bid deposit, if required, shall be retained by the **Comptroller** as security for the **Contractor's** faithful performance of the **Contract** and will be returned to the **Contractor** subject to the other provisions of this **Contract**. If performance and payment bonds are required, any bid security posted shall be returned within a reasonable time after posting of such bonds and execution of this **Contract** by the **City**. When no partial payments are provided, the bid deposit will be released when final payment is certified to the **Comptroller** for payment."
- g) Refer to Page 22, ARTICLE 21. RETAINED PERCENTAGE;
  Delete Article 21, in its entirety;
  Substitute the following:

# "ARTICLE 21. (NO TEXT)"

h) Refer to Pages 28 and 29, ARTICLE 24. MAINTENANCE AND GUARANTY;

Delete the Article in its entirety, except for the last

Paragraph 24.9;

Substitute the following:

# "ARTICLE 24. WARRANTIES AND GUARANTEES

24.1 On any contract which requires the furnishing and/or installing of electrical or mechanical equipment, the Contractor shall provide the following:

- (1) manufacturers' warranties or guarantees on all electrical and mechanical equipment, consistent with those provided as customary trade practice.
- (2) contractors' warranties or guarantees providing for satisfactory in-service operation of the mechanical and electrical equipment and related components for a period not to exceed 6 months following project acceptance.

The Contractor shall obtain all manufacturers' warranties and guaranties of all equipment and materials required by this Contract in the name of the City and shall deliver same to the Commissioner. All of the City's rights and title and interest in and to said manufacturers' warranties and guaranties may be assigned by the City to any subsequent purchasers or lessees of the premises.

24.2 through 24.8 (NO TEXT)"

- i) Refer to Page 29 and 30, ARTICLE 25. CHANGES;
  Add the following paragraph:
- "25.5 Extra Work: It is anticipated that the preliminary engineering and the preparation of plans, specifications and contract documents have been performed with sufficient thoroughness, accuracy and care, and that changes and extra work during the construction can be held to a minimum and limited almost exclusively to revisions and additions necessitated by conditions that could not reasonably be anticipated before the project was advertised for bids or force account operations commenced."
- j) Refer to Pages 40, 41 and 42, ARTICLE 36. NO DISCRIMINATION;
  Change in Paragraph 36.1.1, 4th line, "citizen of the State of
  New York" to "person";
  Delete Paragraphs 36.1.3, 36.1.4, 36.2.2 and 36.2.4 in their
  entireties;
  - Add "or sex or age" to the expression "race, creed, color, sex or national origin", and "or sex or age" to the expression "race, color or creed", wherever these expressions appear in Article 36.
- k) Refer to Page 48 and 49, ARTICLE 43. PROMPT PAYMENT;
  Add the following sentence to the end of Sub-Article 43.5:

"The Contractor shall not hold any retainage, but may deduct an amount necessary to satisfy any claims, liens or judgements against a Subcontractor or materialman which have not been fully discharged."

- 1) Refer to Pages 49 and 50, ARTICLE 44. SUBSTANTIAL COMPLETION

  PAYMENT;

  Delete Sub-Articles 44.3 and 44.4, in their entirety;

  Substitute the following:
- "44.3 The **Commissioner** shall issue a voucher calling for payment of any part or all of the balance due for **Work** performed under the **Contract**, less any and all

deductions authorized to be made by the **Commissioner**, under this **Contract** or by **Law**, and less twice the amount the **Commissioner** considers necessary to ensure the completion of the balance of the **Work** by the **Contractor**. Such a payment shall be considered a Partial and not a Final Payment. No **Substantial Completion** payment shall be made under this article where the **Contractor** shall fail to complete the **Work** within the time fixed for such completion in the Schedule A of the General Conditions, or within the time to which completion may have been extended, until an extension or extensions of time for the completion of **Work** have been acted upon pursuant to Article 13.

- 44.4 No further partial payments shall be made to the Contractor after the Commissioner issues a Certificate of Substantial Completion, except the Substantial Completion payment and Contractor's requisition that were properly filed with the Commissioner prior to the date of Substantial Completion; however, the Commissioner may grant a waiver for further partial payments after the date of Substantial Completion to permit payments for change order Work. Such waiver shall be in writing."
- m) Refer to Pages 50 and 51, ARTICLE 45. FINAL PAYMENT;
  Delete Sub-Article 45.1, in its entirety;
  Substitute the following:
- "45.1 After completion and **Final Acceptance** of the **Work**, the **Contractor** shall submit all required certificates and documents, together with a requisition for the balance claimed to be due under the **Contract**. A verified statement similar to that required in connection with applications for partial payments shall also be submitted to the **Commissioner**."
- n) Refer to Page 55 and 56, ARTICLE 59. SERVICES OF NOTICES;
  Delete in the 3rd, 4th and 5th lines of Sub-Article 59.1, the words: ", or depositing it in a postpaid wrapper addressed thereto in any post office box (P.O. Box) regularly maintained by the United States Postal Service,".
- O) Refer to Pages 59, 60 and 61, ARTICLE 64. TERMINATION BY THE CITY;

  Delete the text of the 1st paragraph;
  Substitute the following:
- "64.1 In addition to termination pursuant to Article 63, the Commissioner may, by written notice, terminate the Contract or any portion thereof after determining that for reasons beyond either Department or Contractor control it is not feasible to proceed with or complete the work as originally contracted for, and that termination would therefore be in the public interest. Such reasons for termination may include, but need not be necessarily limited to, executive orders of the President relating to prosecution of war or national defense, national emergency which creates a serious shortage of materials, orders from duly constituted authorities relating to energy conservation, and restraining

orders or injunctions obtained by third-party citizen action resulting from national or local laws or regulations, or where the issuance of such order or injunction is primarily caused by acts or omissions of persons or agencies other than the Contractor, or where the orderly progression of a project is interfered with or delayed by acts or omissions of persons or agencies other than the Contractor. The Contractor specifically understands that the issuance of such notice by the Commissioner shall be conclusive as to its necessity. In such event the Contractor shall upon receipt of such notice:"

- p) Refer to Page 63, ARTICLE 67. LOCALLY BASED ENTERPRISE PROGRAM;
  - <u>Delete</u> Article 67, in its entirety. See Attachment "H" <u>Disadvantaged Business Enterprise Utilization</u> Requirements.
- q) Refer to Page 66, ARTICLE 75. COMPENSATION TO BE PAID TO CONTRACTOR;
  - Delete Article 75, in its entirety and <u>Substitute</u> the following "<u>ARTICLE 75. (NO TEXT)</u>".
- r) Add the following to Pages 77, 78, 79, 80, 81, 82, 83, and 84, PERFORMANCE BOND:

"Prior to or at the time of execution of the contract, successful bidder must deliver to the City of New York an executed bond equal to one hundred percent (100%) of the contract price, to secure the faithful performance of the contract, and an executed bond in an amount equal to one hundred percent (100%) of the contract price, as security for the payment of all persons performing labor or furnishing materials in connection with this contract, prepared on the forms of bonds authorized by The City of New York, and made a part of the contract documents, copies of which are annexed hereto, and having as surety thereunder such surety company or companies as are approved by The City of New York and are authorized to do business in the State of New York. Premium of such bonds shall be included in the base bid.

In lieu of a performance and completion bond and labor and material bond, a contractor may deposit with the Comptroller, money or obligations of The City of New York which the Comptroller shall approve as of equal value with the amount of the performance and completion bond required.

Whenever a contractor deposits obligations of The City of New York, in lieu of a performance and completion bond and a labor and material bond, it shall be with the understanding that the Comptroller of the City of New York, or his successors, may sell and use the proceeds thereof, for any purpose for which the principal or surety on such bond would be liable under the terms of the contract. If money is deposited with the Comptroller, the Contractor shall not be entitled to receive interest on such money from The City of New York.

If the bidder to whom the contract is awarded refuses to execute it, or fails to furnish the required security and insurance within ten (10) days after receipt of notice to him of the award, the amount of his deposit, or as much thereof as may be applicable to the amount of the award made to him, shall be forfeited and shall be retained by the City as liquidated damages. See Page A2-3 for change relating to requirements to submit proof of bondability within 10 days after bid opening."

- 8. Amendments to General Conditions of the Standard Highway Specifications:
  - a) Refer to Page 14 of the Standard Highway Specifications,
    Article 1.06.23. Rules, Laws, and Requirements;
    Add the following:

"Certain items of work are to be performed in accordance with the general specifications of the following departments of the City of New York:

Bureau of Traffic Operations
Police Department
Fire Department
Department of Environmental Protection
Bureau of Water Supply
Street Lighting

Copies of these specifications may be examined at their offices."

- b) Refer to Pages 16 and 17 of the Standard Highway
  Specifications, Article 1.06.23.(G) Rules Governing
  Navigation, last paragraph;
  Delete the word "asbestos" wherever it occurs.
- C) Refer to Pages 36, 37 and 38, of the Standard Highway Specifications, Article 1.06.46. Project Sign; Delete the Article 1.06.46, in its entirety; Substitute the following:
  - "1.06.46. Project Sign. No project signs will be required on this project."
- d) Refer to Page 40 of the Standard Highway Specifications,
  Sub-Article 1.06.48.(C) Access Ramps, 2nd paragraph, 1st
  line;
  Change the maximum grade from None (1) vertical on three (2) beginning.
  - Change the maximum grade from "one (1) vertical on three (3) horizontal" to "one (1) vertical on six (6) horizontal".
- 9. Amendments to the Standard Highway Specifications:
  - a) Refer to Page 83, Subsection 2.18.3(A), 4th paragraph;

    Change "." to "," after "... and Appeals";

    Add the following words: "and the health standards of OSHA of the U.S.

    Department of Labor."
  - b) Refer to Page 187, Subsection 4.06.12;

    Delete the Subsection 4.06.12, in its entirety and substitute the words "4.06.12. (NO TEXT)." The use of rubble aggregate will not be permitted.

- 10. The Contractor is hereby notified that this is a City contract funded through apportionment available under Title 23, U.S. Code, as amended, and that the contract will be awarded by the City of New York, subject to the approval of the Commissioner of the New York State Department of Transportation and the Federal Highway Administration. Furthermore, no extensions in time for completion or other changes affecting the contract work can be granted by the City of New York without concurrence of the State of New York and approval of the Federal Highway Administration.
- 11. All reference to the delivery of salvageable materials to a designated City-owned yard do not apply to this Contract. All salvageable materials designated by the Engineer shall be stored on site for pick-up by City forces.
- 12. Wherever references are made within these specifications to "race, creed, color, national origin or sex," they shall be construed to include "sexual orientation and marital status".

# REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

#### **ATTACHMENTS**

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

# I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

- 3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.
- 4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

# II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

- a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.
  - b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

- **2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.
- **3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:
- a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.
- b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.
- c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.
- d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.
- e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.
- **4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.
- a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of

potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

- b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.
- c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.
- **5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:
- a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
- b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.
- c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.
- d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

# 6. Training and Promotion:

- a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.
- b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency

may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

- c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.
- d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.
- **7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:
- a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.
- b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.
- c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.
- d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.
- 8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.
- **9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

- a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.
- b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

# 10. Assurance Required by 49 CFR 26.13(b):

- a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.
- b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.
- 11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.
  - a. The records kept by the contractor shall document the following:
- (1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;
  - (2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and
  - (3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;
- b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on <a href="Form FHWA-1391">Form FHWA-1391</a>. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

# **III. NONSEGREGATED FACILITIES**

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The

contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

### 1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided. That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

- b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:
  - (i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
    - (ii) The classification is utilized in the area by the construction industry; and
  - (iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
  - (2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- (3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- (4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
- c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
- d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

### 2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

### 3. Payrolls and basic records

- a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.
- b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at http://www.dol.gov/esa/whd/forms/wh347instr.htm or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses

and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

- (2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
  - (i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;
  - (ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;
  - (iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
  - (3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.
  - (4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.
- c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

### 4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of

Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program

shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.
- d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

- **5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.
- **6. Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.
- **7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.
- **8.** Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.
- **9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

### 10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

- b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

### V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

- 1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- 2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.
- 3. Withholding for unpaid wages and liquidated damages. The FHWA or the contacting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.
- **4. Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

### VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

- 1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).
- a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:
- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
  - (2) the prime contractor remains responsible for the quality of the work of the leased employees;
- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
  - (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.
- b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.
- 2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.
- 3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.
- 4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.
- 5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

#### VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

- 1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.
- 2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).
- 3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

#### VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

# This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

#### 18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

# IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

- 1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
- 2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

# X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more — as defined in 2 CFR Parts 180 and 1200.

### 1. Instructions for Certification – First Tier Participants:

- a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.
- b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

- c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.
- d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).
- f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
- g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.
- h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.
- i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this

transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

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# 2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

- a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:
- (1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;
- (2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and
- (4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

### 2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

- a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.
- b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
- c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.
- d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR

Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

- e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
- f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.
- g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.
- h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

# Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\* \* \* \* \*

### XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

- 1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:
- a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- 2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.
- 3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

# ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

- 1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:
  - a. To the extent that qualified persons regularly residing in the area are not available.
- b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.
- c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.
- 2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.
- 3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.
- 4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.
- 5.The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.
- 6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

### **WORKER'S COMPENSATION AND LIABILITY INSURANCE**

The CONTRACTOR agrees to procure and maintain, until final acceptance by the City of the work covered by this Agreement, insurance of the kinds and in amounts hereinafter provided in insurance companies authorized to do business in the State of New York, covering all operations under this Agreement whether performed by him or subcontractors. Before commencing the work, the CONTRACTOR shall furnish to the COMMISSIONER and to the City of New York a certificate or certificates, in form satisfactory to the COMMISSIONER and to the CITY, showing that he has complied with this requirement, which certificate or certificates, shall provide that the policies shall not be changed or cancelled until thirty (30) days written notice has been given to the COMMISSIONER and to the City of New York. The kinds and amounts of insurance required are as specified in Schedule "A" shown on Pages SA-1 to SA-10, in Volume 3 of 3.

This Agreement shall be void and of no force and effect unless the Contractor shall provide coverage for the benefit of, and keep covered during the life of this agreement, such employees as are required to be covered by the provisions of the Worker's Compensation Law. (State Finance Law Section 142)

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# Appendix "A" STANDARD CLAUSES FOR ALL NEW YORK STATE CONTRACTS

- The parties to the attached contract, license, lease, amendment or other agreement of any kind (hereinafter, "the contract" or "this contract") agree to be bound by the following clauses which are hereby made a part of the contract (the word "Contractor" herein refers to any party other than the State, whether a contractor, licensor, licensee, lessor, lessee or any other party):
- **1. EXECUTORY CLAUSE.** In accordance with Section 41 of the State Finance Law, the State shall have no liability under this contract to the Contractor or to anyone else beyond funds appropriated and available for this contract.
- 2. NON-ASSIGNMENT CLAUSE. In accordance with Section 138 of the State Finance Law, this contract may not be assigned by the Contractor or its right, title or interest therein assigned, transferred, conveyed, sublet or otherwise disposed of without the previous consent, in writing, of the State and any attempts to assign the contract without the State's written consent are null and void. The Contractor may, however, assign its right to receive payment without the State's prior written consent unless this contract concerns Certificates of Participation pursuant to Article 5-A of the State Finance Law.
- **3. COMPTROLLER'S APPROVAL.** In accordance with Section 112 of the State Finance Law (or, if this contract is with the State University or City University of New York, Section 355 or Section 6218 of the Education Law), if this contract exceeds \$15,000 (or the minimum thresholds agreed to by the Office of the State Comptroller for certain S.U.N.Y. and C.U.N.Y. contracts), or if this is an amendment for any amount to a contract which, as so amended, exceeds said statutory amount, or if, by this contract, the State agrees to give something other than money when the value or reasonably estimated value of such consideration exceeds \$10,000, it shall not be valid, effective or binding upon the State until it has been approved by the State Comptroller and filed in his office. Comptroller's approval of contracts let by the Office of General Services is required when such contracts exceed \$30,000 (State Finance Law Section 163.6.a).
- **4. WORKERS' COMPENSATION BENEFITS.** In accordance with Section 142 of the State Finance Law, this contract shall be void and of no force and effect unless the Contractor shall provide and maintain coverage during the life of this contract for the benefit of such employees as are required to be covered by the provisions of the Workers' Compensation Law.
- 5. NON-DISCRIMINATION REQUIREMENTS. To the extent required by Article 15 of the Executive Law (also known as the Human Rights Law) and all other State and Federal statutory and constitutional non-discrimination provisions, the Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, national origin, sexual orientation, age, disability, genetic predisposition or carrier status, or marital status. Furthermore, in accordance with Section 220-e of the Labor Law, if this is a contract for the construction, alteration or repair of any public building or public work or for the manufacture, sale or distribution of materials, equipment or supplies, and to the extent that this contract shall be performed within the State of New York, Contractor agrees that neither it nor its Subcontractors shall, by reason of race, creed, color, disability, sex or national origin: (a) discriminate in hiring against any New York State citizen who is qualified and available to perform the work; or (b) discriminate against or intimidate any employee hired for the performance of work under this contract. If this is a building service contract as defined in Section 230 of the Labor Law, then, in accordance with Section 239 thereof, Contractor agrees that neither it nor its Subcontractors shall, by reason of race, creed, color, national origin, age, sex or disability: (a) discriminate in hiring against any New York State citizen who is qualified and available to perform the work; or (b) discriminate against or intimidate any employee hired for the performance of work under this contract. Contractor is subject to fines of \$50.00 per person per day for any violation of Section 220-e or Section 239 as well as possible termination of this contract and forfeiture of all moneys due hereunder for a second or subsequent violation.
- **6. WAGE AND HOURS PROVISIONS.** If this is a public work contract covered by Article 8 of the Labor Law or a building service contract covered by Article 9 thereof, neither Contractor's employees nor the employees of its Subcontractors may be required or permitted to work more than the number of hours or days stated in said statutes, except as otherwise provided in the Labor Law and as set forth in prevailing wage and supplement schedules issued by the State Labor Department. Furthermore, Contractor and its Subcontractors must pay at least the prevailing wage rate and pay or provide the prevailing supplements, including the premium rates for overtime pay, as determined by the State Labor Department in accordance with the Labor Law.
- 7. NON-COLLUSIVE BIDDING REQUIREMENT. In accordance with Section 139-d of the State Finance Law, if this contract was awarded based upon the submission of bids, Contractor warrants, under penalty of perjury, that its bid was arrived at independently and without collusion aimed at restricting competition. Contractor further warrants that at the time Contractor submitted its bid, an authorized and responsible person executed and delivered to the State a non-collusive bidding certification on Contractor's behalf.

### Appendix "A" (cont.)

- 8. INTERNATIONAL BOYCOTT PROHIBITION. In accordance with Section 220-f of the Labor Law and Section 139-h of the State Finance Law, if this contract exceeds \$5,000, the Contractor agrees, as a material condition of the contract, that neither the Contractor nor any substantially owned or affiliated person, firm, partnership or corporation has participated, is participating, or shall participate in an international boycott in violation of the Federal Export Administration Act of 1979 (50 USC App. Sections 2401 et seq.) or regulations thereunder. If such Contractor, or any of the aforesaid affiliates of Contractor, is convicted or is otherwise found to have violated said laws or regulations upon the final determination of the United States Commerce Department or any other appropriate agency of the United States subsequent to the contract's execution, such contract, amendment or modification thereto shall be rendered forfeit and void. The Contractor shall so notify the State Comptroller within five (5) business days of such conviction, determination or disposition of appeal (2 NYCRR 105.4).
- **9. SET-OFF RIGHTS.** The State shall have all of its common law, equitable and statutory rights of setoff. These rights shall include, but not be limited to, the State's option to withhold for the purposes of setoff any moneys due to the Contractor under this contract up to any amounts due and owing to the State with regard to this contract, any other contract with any State department or agency, including any contract for a term commencing prior to the term of this contract, plus any amounts due and owing to the State for any other reason including, without limitation, tax delinquencies, fee delinquencies or monetary penalties relative thereto. The State shall exercise its set-off rights in accordance with normal State practices including, in cases of set-off pursuant to an audit, the finalization of such audit by the State agency, its representatives, or the State Comptroller.
- 10. RECORDS. The Contractor shall establish and maintain complete and accurate books, records, documents, accounts and other evidence directly pertinent to performance under this contract (hereinafter, collectively "the Records"). The Records must be kept for the balance of the calendar year in which they were made and for six (6) additional years thereafter or three (3) years after final payment, whichever is later. The State Comptroller, the Attorney General and any other person or entity authorized to conduct and examination, as well as the agency or agencies involved in this contract, shall have access to the Records during normal business hours at an office of the Contractor within the State of New York or, if no such office is available, at a mutually agreeable and reasonable venue within the State, for the term specified above for the purposes of inspection, auditing and copying. The State shall take reasonable steps to protect from public disclosure any of the Records which are exempt from disclosure under Section 87 of the Public Officers Law (the "Statute") provided that: (i) the Contractor shall timely inform an appropriate State official, in writing, that said records should not be disclosed; and (ii) said records shall be sufficiently identified; and (iii) designation of said records as exempt under the Statute is reasonable. Nothing contained herein shall diminish, or in any way adversely affect, the State's right to discovery in any pending or future litigation.

### 11. IDENTIFYING INFORMATION AND PRIVACY NOTIFICATION:

### (A) Federal Employer Identification Number And/or Federal Social Security Number.

All invoices or New York State standard vouchers submitted for payment for the sale of goods of services or the lease of real or personal property to a New York State agency must include the payee's identification number, i.e., the seller's or lessor's identification number. The number is either the payee's Federal employer identification number or Federal social security number, or both such numbers when the payee has both such numbers. Failure to include this number or numbers may delay payment. Where the payee does not have such number or numbers, the payee, on his invoice or New York State standard voucher, must give the reason or reasons why the payee does not have such number or numbers.

#### (B) Privacy Notification.

- (1) The authority to request the above personal information from a seller of goods or services or a lessor of real or personal property, and the authority to maintain such information, is found in Section 5 of the State Tax Law. Disclosure of this information by the seller or lessor to the State is mandatory. The principal purpose for which the information is collected is to enable the State to identify individuals, businesses and others who have been delinquent in filing tax returns or may have understated their tax liabilities and to generally identify persons affected by the taxes administered by the Commissioner of Taxation and Finance. The information will be used for tax administration purposes and for any other purpose authorized by law.
- (2) The personal information is requested by the purchasing unit of the agency contracting to purchase the goods or services or lease the real or personal property covered by this contract or lease. The information is maintained in New York State's Central Accounting System by the Director of State Accounts, Office of the State Comptroller, 110 State Street, Albany, New York 12236.

### Appendix "A" (cont.)

- 12. EQUAL EMPLOYMENT OPPORTUNITIES FOR MINORITIES AND WOMEN: In accordance with Section 312 of the Executive Law, if this contract is: (i) a written Agreement or purchase order instrument, providing for a total expenditure in excess of \$25,000.00, whereby a contracting agency is committed to expend or does expend funds in return for labor, services, supplies, equipment, materials or any combination of the foregoing, to be performed for, or rendered or furnished to the contracting agency; or (ii) a written Agreement in excess of \$100,000.00 whereby a contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon; or (iii) a written Agreement in excess of \$100,000.00 whereby the owner of a State assisted housing project is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon for such project, then:
  - (a) The Contractor will not discriminate against employees or applicants for employment because of race, creed, color, national origin, sex, age, disability or marital status, and will undertake or continue existing programs of affirmative action to ensure that minority group members and women are afforded equal employment opportunities without discrimination. Affirmative action shall mean recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff, or termination and rate of pay or other forms of compensation;
  - (b) At the request of the contracting agency, the Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other Agreement or understanding, to furnish a written statement that such employment agency, labor union or representative will not discriminate on the basis or race, creed, color, national origin, sex, age, disability or marital status and that such union or representative will affirmatively cooperate in the implementation of the Contractor's obligations herein; and
  - (c) The Contractor shall state, in all solicitations or advertisements for employees, that, in the performance of the State contract, all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status.

Contractor will include the provisions of "a", "b" and "c", above, in every subcontract over \$25,000.00 for the construction, demolition, replacement, major repair, renovation, planning or design of real property and improvements thereon (the "Work") except where the Work is for the beneficial use of the Contractor. Section 312 does not apply to: (i) work, goods or services unrelated to this contract; or (ii) employment outside New York State; or (iii) banking services, insurance policies or the sale of securities. The State shall consider compliance by a Contractor or Subcontractor with the requirements of any Federal law concerning equal employment opportunity which effectuates the purpose of this section.

The contracting agency shall determine whether the imposition of the requirements of the provisions hereof duplicate or conflict with any such Federal law and if such duplication or conflict exists, the contracting agency shall waive the applicability of Section 312 to the extent of such duplication or conflict. Contractor will comply with all duly promulgated and lawful rules and regulations of the NYS Department of Economic Development's Division of Minority-and Women-Owned Business Development pertaining hereto.

- 13. CONFLICTING TERMS. In the event of a conflict between the terms of the contract (including any and all attachments thereto and amendments thereof) and the terms of this subsection, the terms of this subsection shall control.
- **14. GOVERNING LAW.** This contract shall be governed by the laws of the State of New York except where the Federal supremacy clause requires otherwise.
- **15. LATE PAYMENT.** Timeliness of payment and any interest to be paid to Contractor for late payment shall be governed by Article XI-A of the State Finance Law to the extent required by law.
- **16. NO ARBITRATION.** Disputes involving this contract, including the breach or alleged breach thereof, may not be submitted to binding arbitration (except where statutorily authorized) but must, instead, be heard in a court of competent jurisdiction of the State of New York.
- 17. SERVICE OF PROCESS. In addition to the methods of service allowed by the State Civil Practice Law & Rules ("CPLR"), Contractor hereby consents to service of process upon it by registered or certified mail, return receipt requested. Service hereunder shall be complete upon Contractor's actual receipt of process or upon the State's receipt of the return thereof by the United State Postal Service as refused or undeliverable. Contractor must promptly notify the State, in writing, of each and every change of address to which service of process can be made. Service by the State to the last known address shall be sufficient. Contractor will have thirty (30) calendar days after service hereunder is complete in which to respond.
- **18. CONTRACT TERMINATION PROVISION.** Refer to the City of New York Standard Construction Contract (in Volume 2 of 3), Article 64.

### **LABOR AND EMPLOYMENT**

The provisions of NYS Labor Law, as amended, and referred to in §102-08, *Standard Clauses for All New York State Contracts*, shall be applicable. On contracts financed with Federal-Aid, any provisions of NYS Labor Law that are in conflict with mandatory Federal-Aid construction contract compliance requirements, as contained in 23 CFR 635.117 are superseded. Any provisions of NYS Labor Law that are not in conflict with mandatory Federal-Aid construction contract compliance requirements or the Davis-Bacon Act, but are more restrictive, shall apply.

The Contractor shall directly employ those members of its own organization. Employee leasing and other similar arrangements under which workers are employed by another organization will only be considered under a subcontract approved in accordance with §108-05, Subletting or Assigning the Contract.

**A. Wages.** The Department will provide the Contractor with prevailing wage rate schedules. When both State and Federal wage rate schedules are provided, the Contractor shall pay the higher of the two wages and supplemental (fringe) benefits. If prevailing wage rate schedules are attached, all onsite work shall be paid prevailing wages. The Contractor shall ensure that workers are paid the appropriate wages and supplemental (fringe) benefits. The Contractor shall obtain periodic wage rate schedule updates from the NYS Department of Labor (NYSDOL). Wage rate amendments and supplements are available on the NYSDOL web site at <a href="https://www.labor.state.ny.us">www.labor.state.ny.us</a>. All changes or clarification of labor classification(s) and applicability of prevailing wage rates shall be obtained in writing from the Office of the Director, NYSDOL Bureau of Public Work. The Contractor shall include the cost of changes in wage rate schedules and supplements (fringes) over the contract duration in the contract bid prices.

On-site Contractor or Subcontractor employees shall be paid prevailing wages required under the Davis-Bacon Act. In accordance with 29 CFR 5.2(I), "site of the work" is defined as the physical place or places where the construction called for in the contract will remain when work on it has been completed. Facilities such as fabrication plants, mobile factories, batch plants, borrow pits, etc. are part of the site of the work provided that they are dedicated exclusively to the performance of the contract. Not included in the site of the work are facilities whose continuance in operation are determined wholly without regard to a particular contract. Such permanent, previously established facilities are not a part of the "site of the work," even where the operations for a period of time may be dedicated exclusively to the performance of a contract.

In accordance with NYS Labor Law, Sections 220 and 220-d:

- No laborer, worker, or mechanic, in the employ of the Contractor, Subcontractor or other person doing or contracting to do the whole or any part of the work contemplated by the contract shall be permitted or required to work more than eight (8) hours in any one calendar day or more than five days in any one week, except in the emergencies set forth in the Labor Law.
- 2. The wages paid for a legal day's work shall be not less than the prevailing rate of wages as defined by law.
- 3. The minimum hourly rate of wages to be paid shall not be less than that stated in the contract documents, and any redetermination of the prevailing rate of wages after the contract is approved shall be deemed to be incorporated herein by reference as of the effective date of redetermination and shall form a part of these contract documents.
- 4. The contract may be forfeited and no sum paid for any work done thereunder on a second conviction for willfully paying less than:
  - a. the stipulated wage scale as provided in Labor Law, §220 (3), as amended, or;
  - b. the stipulated minimum hourly wage scale as provided in Labor Law, §220-d, as amended.
- **B. Overtime Dispensation.** All bidders, in submitting their bids, should base their bids and work progression on the assumption that Overtime Dispensation pursuant to Article 8 of the New York State Labor Law, for any workers, laborers, and mechanics to work more than 8 hours in any one calendar day or more than 5 days in any one week will not be granted for any operation for the contract duration. Regardless of approval or disapproval of overtime by the NYSDOL, no adjustment will be made in any bid prices.

Subsequent to award, where the contract proposal has imposed specific scheduling and/or phasing requirements or where it is determined by the Department to be in the best interest of the public, the Department may process, for approval by the NYSDOL, requests for overtime dispensation on certain specific operations

The Contractor shall submit requests for overtime dispensation to the Department on Form PW- 30, Application for Dispensation for Hours, which will be provided by the Engineer upon request. The Department will review applications for overtime dispensation submitted by the Contractor associated with contracts subject to (A+B) Bidding, Incentive/Disincentive (I/D) or Lane Rental work favorably, but the application should not request more than 60 hours per week. The 60 hours per week may be either 6 - 10 hour days or 5 - 12 hour days. Overtime dispensations will be supported by the Department to advance Department goals and priorities, subject to specific circumstances and conditions associated with each contract.

The Department cannot guarantee that the NYSDOL will grant dispensation from restrictions pursuant to the provisions of Article 8 of the State Labor Law, however with the Department's certification, it is anticipated that they will act favorably, provided that the Contractor is in compliance with Labor Law requirements at the time of application.

**C. Payrolls.** The Contractor shall furnish the Engineer, each week, a certified payroll and statement of compliance with respect to the wages paid each of its employees, (including apprentices, trainees, watch persons and guards) and a certified payroll from each Subcontractor engaged on work during the preceding weekly payroll period.

Certified payrolls shall contain work class, hours worked, wage rate, payroll taxes and withholdings. Certified payrolls shall be annotated by race and gender, and shall be submitted on Form WH-347 or Form HC-231-1 for Federal-Aid contracts, and on HC-231-1 for non Federal-Aid contracts. At the Contractor's option, computer printed payroll records, which supply the required data and certifications may be used.

**D. Training.** An apprentice is defined as an individual who is enrolled in an apprenticeship training program that is registered with the NYS Department of Labor. A trainee is defined as an individual who is enrolled in an On-the-Job Training (OJT) program that is approved by the Federal Highway Administration (FHWA).

A number of sources to obtain training for apprentices/trainees are available. These include:

- A NYSDOL-approved apprenticeship program sponsored by a union or a temporary project level agreement with a union which has a NYSDOL approved apprenticeship program.
- A NYSDOL-approved apprenticeship program sponsored by a contractor.
- A NYSDOL-approved apprenticeship program sponsored by a contractor signatory with an apprenticeship sponsor consortium for certain services.
- An FHWA-approved OJT program (where applicable).

Approved OJT Programs are currently limited to apprenticeable occupations as determined by NYSDOL or USDOL. A list of approved OJT programs can be found in the On-the-Job Training and Apprenticeship Program Construction Catalogue which is available through the Department's Office of Equal Opportunity Development and Compliance.

Training under Training Special Provisions, if required, will be shown in the contract documents. In order to fulfill training requirements required under Training Special Provisions and/or §102-11 *Equal Employment Opportunity Requirements*, training should begin as early as possible during a construction contract. The Department recommends that all bidders have an approved apprenticeship or OJT program prior to bidding.

The Contractor shall furnish the apprentice/trainee a copy of the program to be followed in providing the training. The Contractor shall provide each apprentice/trainee with a certification showing the type and length of training satisfactorily completed.

When training is required under Training Special Provisions and/or §102-11 Equal Employment Opportunity Requirements, the Contractor shall designate to the Engineer, at the preconstruction meeting, a person (or persons) from its existing workforce as the Trainer and Training Coordinator for any apprentice(s)/ trainee(s).

#### The Trainer shall:

- 1. Be located on the contract site generally on a daily basis; and
- 2. Be responsible for the day-to-day supervision and training of persons on the contract; and
- 3. Be responsible for the preparation and submission of a monthly training progress report, after consultation with designated apprentices/trainees.

### The Training Coordinator shall:

- 1. Be knowledgeable about the contract and the Apprenticeship/OJT programs to be used; and
- 2. Be responsible for ensuring on-the-job orientation of apprentice/trainees; and
- 3. Be responsible for ensuring meaningful and effective training for the duration of training.
- *E. Public Notices.* Before commencing any work on the site, the Contractor shall provide a satisfactory weather resistant surface, and post, in a location accessible to all workers, a copy of the NYSDOL schedules of prevailing wages and supplements for this contract, a copy of all redeterminations of such schedules for the contract, the Workers' Compensation Law notice, required safety notices, and all other notices required by law to be posted at the site. The Contractor shall maintain such notices in a legible manner and shall replace any notice or schedule which is damaged, defaced, illegible or removed for any reason. The Notices shall be maintained until all work on the site is complete.
- **F. Federal-Aid Requirements.** No procedures or requirement shall be imposed by any state which will operate to discriminate against the employment of labor from any other state, possession or territory of the United States, in the construction of a Federal-Aid project. The selection of labor to be employed by the Contractor on any Federal-Aid project shall be of its choosing.

The Contractor shall not use convict labor unless performed by convicts who are on parole, supervised release, or probation for construction, maintenance or any other purpose at the site or within the contract limits of any Federal-Aid highway construction project from the time of contract award or the start of work on force account until final acceptance of the work by the Department.

### **NON-ASSIGNMENT OF AGREEMENT**

In accordance with Section 138 of the State Finance Law, the Contractor agrees not to assign, transfer, convey, sublet or otherwise dispose of this agreement or any part thereof, or of its right, title or interest therein or its power to execute such agreement to any person, company or corporation without the previous consent in writing of the City and of the Commissioner of the Department of Design and Construction and any attempts to assign the agreement without the City's written consent are null and void.

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#### **BID DEPOSIT**

Accompanying this proposal is a bid bond, certified check or bank cashier's check for the specified amount of deposit required. In the event this proposal is accepted by the Department of Transportation and the undersigned shall fail to execute the contract and in all respects comply with the provisions of Section 38 of the Highway Law, as amended, or where applicable, Section 30 of the Canal Law, as amended, the moneys represented by such bid bond, certified check or Bank cashier's check shall be regarded as liquidated damages and shall be forfeited and become the property of the State of New York; otherwise to be returned to the depositor in accordance with the provisions of said Section 38 of the Highway Law, as amended, or where applicable with Section 30 of the Canal Law, as amended.

On acceptance of this proposal for said work the undersigned does or do hereby bind herself/himself or itself/themselves to enter into written contract, within ten days of date of notice of award, with the said Department of Transportation, and comply in all respects with § 38(6) of the Highway Law, as amended, or where applicable with §30 (7) of the Canal Law, as amended, in relation to security for the faithful performance of the terms of said contract.

#### **NON-COLLUSIVE BIDDING CERTIFICATIONS**

# REQUIRED BY SECTION 139-D, STATE FINANCE LAW and SECTION 103-D OF GENERAL MUNICIPAL LAW

"Section 139-d, SFL and Section 103-d, GML, 'Statement of non-collusion in bids to the state.'

1. Every bid hereafter made to the state or any public department agency or official thereof, where competitive bidding is required by statute, rule or regulation, for work or services performed or to be performed or goods sold or to be sold, shall contain the following statement subscribed by the bidder and affirmed by such bidder as true under the penalties of perjury:

Non-collusive bidding certification.

- (a) By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:
- (1) The prices of this bid have been arrived at independently, without collusion, consultation, communication, or agreement, for the purposes of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor;
- (2) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other Bidder or to any competitor; and
- (3) No attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.
- (b) A bid shall not be considered for award nor shall any award be made where (a)(1)(2)(3) above have not been complied with; provided however, that if in any case the bidder cannot make the foregoing certification, the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where (a)(1)(2) and (3) above have not been complied with, the bid shall not be considered for award nor shall any award be made unless the head of the purchasing unit of the state, public department or agency to which the bid is made, or his designee, determines that such disclosure was not for the purpose of restricting competition.

The fact that a bidder (a) has published price lists, rates, or tariffs covering items being procured, (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items or (c) has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of subparagraph 1(a).

2. Any bid hereafter made to the state or any public department, agency or official thereof by a corporate bidder for work or services performed or to be performed or goods sold or to be sold, where competitive bidding is required by statute, rule or regulation, and where such bid contains the certification referred to in subdivision one of this section, shall be deemed to have been authorized by the board of directors of the bidder and such authorization shall be deemed to include the signing and submission of the bid and the inclusion therein of the certificates as to non collusion as the act and deed of the corporation."

(A)2

"By submission of this bid, the bidder does hereby tender to the Owner this sworn statement pursuant to Section 1128 of Title 23, U. S. Code-Highways and does hereby certify, in conformance with said Section 112 of Title 23, U. S. Code-Highways that the said Contractor has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the above contract."

### NON COLLUSIVE BIDDING CERTIFICATION (49 CFR, 29)

The Contractor to whom the above identified contract is to be awarded does hereby tender to the New York State Department of Transportation this sworn statement pursuant to Section 112(c) of Title 23 U.S. Code *Highway* and does hereby certify, in conformance with said 23 USC 112(c) that the said Contractor has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the above identified contract.

The signatory to this proposal, being duly sworn, certifies that, **EXCEPT AS NOTED BELOW**, its company and any person associated therewith in then capacity of owner, Partner, director, officer, or major stockholder (five percent or more ownership):

- is not currently suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency;
- 2) has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within that past three years;
- 3) does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent Jurisdiction in any matter involving fraud or official misconduct within the past three years.

**EXCEPTIONS** – List any relevant information, attaching additional sheets if necessary. (Exceptions will not necessarily result in disapproval, but will be considered in determining responsibility. For any exception noted, indicate below to whom it applies, the initiating agency, and dates of actions. Providing false information may result in criminal prosecution or administrative sanctions.)

### Lobbying Activity Certification [For Federal-Aid Contracts Only]

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions. (See Exhibit 1 annexed hereto)

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

### **CONTRACTOR MUST COMPLETE THE FORM BELOW**

### OFFERER DISCLOSURE OF PRIOR NON-RESPONSIBILITY DETERMINATIONS

	seeking to ente	ade a finding of non-responsibility regarding the r into the Procurement Contract in the previous four
No	•	Yes
If yes, please answ	er questions 2-	4. If no, skip to question 5.
2. Was the basis for Law §139-j (Please		non-responsibility due to a violation of State Finance
No	)	Yes
		non-responsibility due to the intentional provision of false or incomplete tity? (Please circle):
No	)	Yes
4. If you answered responsibility below		e above questions, please provide details regarding the finding of non-
Governmental Enti	ty:	
Date of Finding of	Non-responsibil	ity:
Basis of Finding of	Non-Responsit	pility:
(Add additional pag	ges as necessa	ry)
	or entity seeking	r other governmental agency terminated or withheld a Procurement Contract to enter into the Procurement Contract due to the intentional provision of Please circle):
No	)	Yes
6. If yes, please pro	ovide details be	low.
Governmental Enti	ty:	
Date of Terminatio	n or Withholding	g of Contract:
Basis of Termination	on or Withholdin	ng:
(Add additional page	ges as necessa	ry)

3 of 6

#### **ATTACHMENT "B"**

#### NON COLLUSIVE BIDDING

BY SIGNING ONE OF THESE CERTIFICATIONS, THE CONTRACTOR CERTIFIES THAT HE UNDERSTANDS AND AGREES TO BE BOUND BY THE PROVISIONS OF THE FOLLOWING LAWS:

- AGREES TO BE BOUND BY THE PROVISIONS OF THE FOLLOWING LAWS:
- 1. NEW YORK STATE FINANCE LAW, ARTICLE 9, SECTION 139-d
- 2. TITLE 49, CFR, PART 29
- 3. TITLE 23, U.S. CONE-HIGHWAYS, SECTION 112

THE CONTRACTOR SHOULD CHOOSE THE APPROPRIATE NOTARIZATION WHICH CORRESPONDS TO THE TYPE OF COMPANY (SOLE PROPRIETORSHIP, PARTNERSHIP, OR CORPORATION) THAT HE/SHE REPRESENTS OR IS AFFILIATED WITH. ALL BIDDERS SHOULD FILL OUT THE APPROPRIATE SECTION OF THE BIDDER INFORMATION SHEET.

### BY EXECUTING THIS PROPOSAL, THE CONTRACTOR AGREES TO:

- 1. Perform all work listed in accordance with the Contract Documents at the unit prices bid; subject to the Changed conditions provisions if applicable;
- 2. All the terms and conditions of the non-collusive bidding certifications required by §139-d of the State Finance Law, and Section 112, Title 23, U.S. Code;
- 3. Certification of Specialty Items category selected, if contained in this proposal;
- 4. Certification of any other clauses required by this proposal and contained herein;
- 5. Certification, under penalty of perjury, as to the current history regarding suspensions, debarments, voluntary exclusions, determinations of ineligibility, indictments, convictions, or civil judgments required by 49 CFR, Part 29.
- 6. Contractor affirms that all information provided to the Department with respect to the requirements contained in State Finance Law §139j and §139k is complete, true and accurate.

Dated:, 20	
	(Legal Name of Person, Corporation, or Firm Which is Submitting Bid or Proposal)
	BY:
	(Signature of Person Representing Above)
	AS:
	(Official Title of Signator in Above Firm)

### ATTACHMENT "B"

### (Acknowledgment by Individual Contractor, if a Corporation)

STATE OF NEW YORK	)											
COUNTY OF	) SS: )											
On this		day of							, 20		,	before me
personally came						_, to	me	known	and	know	n to	me to be
the person who executed the above i resides at	nstrument,	who	being	duly	sworn	by 1	me,	did de	pose	and s	ay tlat he	hat he/she she is the
resides at of the c	orporation	descr	ibed in	and w	hich ex	ecute	d the	e above	instr	ıment,	and t	that he/she
signed his/her name thereto on behave of s	said Corpor	ration	by orde	r of th	e Board	l of D	irect	ors of sa	aid Co	orporat	ion.	
N-4 D-11'-	<del>-</del>											
Notary Public												
(Acknowledgment by Co-Partnership C	ontractor)	)										
, and a second s	,											
STATE OF NEW YORK	)											
COUNTY OF	) SS:											
COUNTY OF	)											
0.41	•	•										1 (
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and say that he/she is a member of the	firm of	su umc	JIIL, WIN	o, och	ig duly	SWOI	поу	consis	ting	of him	self/b	nerself and
and say that he/she is a member of the						.and	that	he/she	exe	cuted	the	foregoing
instrument in the firm name ofhad authority to sign same, and did duly											and 1	that he/she
had authority to sign same, and did duly	acknowled	ge to	me that	he/sh	e execu	ited s	ame	as the a	ict an	d deed	of s	aid firm of
	for the	uses a	nd purp	oses n	nention	ed the	rein.					
Notary Public												
Notary I done												
(Acknowledgment by Individual Contra	actor)											
STATE OF NEW YORK	)											
COUNTY OF	) SS:											
COUNTY OF	)											
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Č	-	•										
N. 4 D. I. I.												
Notary Public												

5 of 6

### NON-COLLUSIVE BIDDING CERTIFICATION BIDDER INFORMATION

Bidder to provide information listed below:

Bidder Address:	Street or P.O	. Box No.	
	City		
	State	Zip Code	
Federal Identification No	·:		
Name of Contact Person	<b>:</b>		
Phone No. of Contact Pe			
If Bidder is a Corpora	ation:		
President's Name & Add	ress:		
Secretary's Name & Add	ress:		
Treasurer's Name & Add	ress:		
lf Bidder is a Partner	ship:		
Partner's Name & Addres	SS:		
Partner's Name & Addres	ss:		
If Bidder is a Sole Pro	onrietorehin:		
Owner's Name & Address	_		

MA 2A (03-09-33) NYCDOT

NEW YORK CITY DEPARTMENT OF DEBARMENT HISTOR' CONTRACT NO.	Y CERTIFICATION
I,(PRESIDENT OF AUTHORIZED OFFICIAL)	, being duly sworn, certifies that,
(PRESIDENT OF AUTHORIZED OFFICIAL)	or any porcon
except as noted herein,(THE COMPAN	or any person
associated therewith in the capacity of ow investigator, project director, manager, administration of Federally Aided Projects:	<i>r</i> ner, partner, director, officer, principa
is not currently under suspension, de determination of ineligibility by any gove	
has not been suspended, debarred, ineligible by any governmental entity wit	· · · · · · · · · · · · · · · · · · ·
does not have a proposed debarment p	ending; and
has not been indicted, convicted, or against it by a court of competent juriso or official misconduct within the past three	liction in any matter involving fraud
(INSERT EXCEPTIONS HERE. ATT AS NECESSARY)	ACH SUPPLEMENTAL SHEETS
Exceptions will not necessarily result in deni determining responsibility. For any exception initiating governmental entity and dates of acti fraudulently made in connection with this company not responsible for the project and subject the person making the false statement	noted herein, indicate to whom it applies on. A material false statement willfully o certification may result in rendering the any future projects, and in addition may
(PRINT NAME)	(SIGNATURE)
(TITLE)	(DATE)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

# NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION DEBARMENT HISTORY CERTIFICATION CONTRACT NO.

### **GOVERNMENTAL ENTITY:**

Governmental Entities shall include any/all city, state and federal public agencies, quasi-public agencies, authorities and corporations, public development corporations, and local development corporations.

### **COMPANY:**

Companies shall include the persons or affiliates for which a suspension or debarment decision has been rendered, and shall include all subsidiaries, divisions and other organizational elements thereof unless said decision is limited by its terms to one or more specifically identified individuals or organizational elements or to specific types of transactions.

### **PERSON:**

Persons shall include any individual, corporation, partnership, association or legal entity however organized, including any subsidiary of the foregoing.

### SUBSIDIARY:

Subsidiaries shall include any corporation, partnership, association or legal entity however organized, which is owned or controlled by another person.

#### AFFILIATE:

Persons are affiliates of one another if, directly or indirectly, one owns, controls, or has the power to control the other, or a third person owns, controls, or has the power to control both.

### **CONTROL:**

Control shall be taken to mean the power to exercise, either directly or indirectly, a controlling influence over management, policies or activities of a person, whether through ownership of voting securities, through one or more intermediary persons, or otherwise. Indications of control shall include, but not be limited to: a person who owns or has the power to vote more than 25 percent of the voting securities of another person, or 25 percent of the total equity if the other person has no voting securities; interlocking management or ownership; identity of interests among family members; shared facilities and equipment; common use of employees; and establishment, following debarment, suspension or other exclusion decision, of any organization or entity which is to operate in the same business or activity and is to have substantially the same management, owner-ship or principal employees as the debarred, suspended or excluded person.

### APPENDIX C

# LOBBYING ACTIVITY CERTIFICATION [FOR FEDERAL-AID CONTRACTS ONLY]

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions. (See Exhibit 1 annexed hereto)

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

### **APPENDIX C**

### INSTRUCTIONS FOR COMPLETION OF SF-LLL DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

- 1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
- 2. Identify the status of the covered Federal action.
- 3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
- 4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants, and contract awards under grants.
- 5. If the organization filing the report in item 4 checks "Subawardee", then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
- 6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
- Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
- Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001".
- 9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
- 10. (a) Enter the full name, address, city, state and zip code for the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the Federal covered action.
  - (b) Enter the full names of the individual(s) performing services, and include full address if different from 10(a). Enter Last Name, First Name, and Middle Initial (MI).
- 11. The certifying official shall sign and date the form; print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB Control Number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington D.C. 20503.

### APPENDIX C

### **DISCLOSURE OF LOBBYING ACTIVITIES**

Approved by OMB 0348-0046

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352 (See reverse for public burden disclosure.)

1. Type of Federal Action:	2. Status of Federal Action:		3. Report Type:				
[ a.contract	a. bid/offer/application		a. initial filing				
b. grant	b. initial award		b. material change				
c. cooperative agreement	c. post-award		For Material Change Only:				
d_loan			year quarter				
e loan guarantee			date of last report				
f loan insurance			•				
4. Name and Address of Reportin	g Entity: 5. If Reporting En		tity in No. 4 is a Subawardee, Enter Name				
Prime Subawardee		and Address of Prime:					
Tier	if known:						
		Therefore					
		rian industrial	·				
	'						
Congressional District, if known	-: 4c		District, if known:				
6. Federal Department/Agency:		7. Federal Progra	m Name/Description:				
		CFDA Number, i	f applicable:				
8. Federal Action Number, if know.	7:	9. Award Amount	, if known:				
		\$					
10. a. Name and Address of Lobb	ving Registrant	b. Individuals Per	forming Services (including address if				
(if individual, last name, first r		different from N	, and the state of				
( a second secon		(last name, first name, MI):					
	1	(,	· · · · · · · · · · · · · · · · · · ·				
11. Information requested through this form is authorize 1352. This disclosure of lobbying activities is a market state.	d by title 31 U.S.C. section	Signature:					
upon which relance was placed by the tier shove when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This		i e					
information will be available for public inspection. Any person who fails to file the		•					
required disclosure shall be subject to a lovel penalty of not less than \$10,000 and not more than \$190,000 for each such failure.		1					
		Telephone No.:	Date:				
Federal Use Only:			Authorized for Local Reproduction				
	and the first of the second		Standard Form LLL (Rev. 7-97)				

### **ATTACHMENT "B"**

## DISCLOSURE OF LOBBYING ACTIVITIES

## APPROVED BY OMB 0346-0046

### **CONTINUATION SHEET**

REPORTING ENTITY:	PAGE	OF
		·

Authorized for Local Reproduction - Standard form LLL

## NOTICE TO ALL PROSPECTIVE BIDDERS FEDERAL-AID CONTRACTS

#### **ASSURANCE OF NON-DISCRIMINATION**

The New York State Department of Transportation, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation and Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes, as amended, issued pursuant to such Acts, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, sex, age, disability/handicap and income status in consideration for an award.

1/17/79 5/1/79 6/3/81 5/9/85

L8/3/2010

#### <u>SUBCONTRACTS</u>

The attention of the Contractor is directed to the requirement that the standard contract clauses, as set forth in the Proposal and in the Labor Compliance Manual (Federal-aid Construction, Appendix D-2, 3) must be physically incorporated in all subcontracts.

Copies of the Labor Compliance Manual referred to above may be examined in the office of the Regional Director.

Rev. 2/27/70 4/20/72 8/30/73 12/7/76

#### To be included in all contracts

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

- (1) Compliance with Regulations: The contractor shall comply with the Regulation relative to nondiscrimination in Federally assisted programs of the Department of Transportation of the United States, Title 49, Code of Federal Regulations, Part 21, and the Federal Highway Administration (hereinafter "FHWA") Title 23, Code of Federal Regulations, Part 200 as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- (2) Nondiscrimination: The Contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, religion, age, color, sex or national origin, sex, age, and disability/handicap in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by 49 CFR, section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- (3) Solicitations for Subcontractors, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin, sex, age, and disability/handicap.
- (4) Information and Reports: The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by NYSDOT or the FHWA to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to NYSDOT's Office of Civil Rights or FHWA, as appropriate, and shall set forth what efforts it has made to obtain the information.
- (5) Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, NYSDOT shall impose such contract sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:
  - a) Withholding of payments to the contractor under the contract until the contractor complies; and/or
  - b) Cancellation, termination or suspension of the contract, in whole or in part.
- (6) Incorporation of Provisions: The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto.

The contractor shall take such action with respect to any subcontract or procurement as NYSDOT or the FHWA may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request NYSDOT to enter into such litigation to protect the interests of NYSDOT, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

To be included in all written solicitations, requests for proposals or invitations for bid

The New York State Department of Transportation, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation and Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes, as amended, issued pursuant to such Act, hereby notifies all who respond to a written Department solicitation, request for proposal or invitation for bid that it will affirmatively insure that in any contact entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, sex, age, disability/handicap and income status in consideration for an award.

To be included in deeds, leases, permits, licenses, U&O Agreements, or similar agreements that provide for:

(a) the subsequent transfer of property that the Department acquired or improved; or (b) the construction, use of, or access to space on, over or under such real property; where the property will continue to be used for transportation purposes

The (grantee, licensee, lessee, permitee, etc., as appropriate) for himself, his heirs; personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree as a covenant running with the land, that in the event improvements are made, over or under such land and the furnishing of services thereon and/or facilities are constructed, maintained, or otherwise operated on the said property described in this (deed, license, lease, permit, etc.) for a purpose for which a New York State Transportation program or activity is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permitee, etc.) shall construct such improvements and maintain and operate such facilities and services such that: (1) no person on the ground of race, color, or national origin, sex, age, and disability/handicap, shall be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over or under such land and the furnishing of services thereon, no person on the ground of, race, color, or national origin, sex, age, and disability/handicap, shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination. (3) that the (grantee, licensee, lessee, permitee, etc.) shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation-Effectuation of Title VI of the Civil Rights Act of 1964), Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes -Implementation and Review Procedures, and as said Regulations may be amended.

Where a Reverter clause necessary to effectuate the purposes of Title VI of the Civil Rights Act of 1964, as amended, is included in a license, lease, permit or other transfer not requiring a deed, the following applies:

That in the event of breach of any of the above nondiscrimination covenants, the New York State Department of Transportation shall have the right to terminate the (<u>license</u>, <u>lease</u>, <u>permit</u>, <u>etc.</u>) and to re-enter and repossess said land and the facilities thereon, and hold the same as if said (<u>license</u>, <u>lease</u>, <u>permit</u>, <u>etc.</u>) had never been made or issued.

Where a deed transferring property interests includes a covenant running with the land, the following applies:

That in the event of breach of any of the above nondiscrimination covenants, The New York State Department of Transportation shall have the right to re-enter said lands and facilities thereon, and the above described lands and facilities shall thereupon revert to and vest in and become the absolute property of the New York State Department of Transportation and its assigns.

### To be included in deeds for property acquired directly from the United States

The following clauses shall be included in any and all deeds effecting or recording the transfer of real property, structures or improvements thereon, or interest therein from the United States to the New York State Department of Transportation.

#### (GRANTING CLAUSE)

NOW, THEREFORE, the Department of Transportation, as authorized by law, and upon the condition that the New York State Department of Transportation will accept title to the lands and maintain the project constructed thereon, in accordance with The Surface Transportation Assistance Act of 1982, the Surface Transportation and Uniform Relocation Assistance Act of 1987, the Intermodal Surface Transportation Efficiency Act of 1991, and/or the Transportation Equity Act of the 21st Century, as well as the Regulations for the Administration of Transportation Programs and the policies and procedures prescribed by the Federal Highway Administration, also in accordance with and in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation and Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes (hereinafter referred to as the Regulations) pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the New York State Department of Transportation all the right, title and interest of the Department of Transportation in and to said, lands described in Exhibit "A" attached hereto and made a part hereof.

#### (HABENDUM CLAUSE)

TO HAVE AND TO HOLD said lands and interests therein unto the New York State Department of Transportation and its successors forever, subject, however, to the convenient, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and shall be binding on the New York State Department of Transportation, its successors and assigns.

The New York State Department of Transportation, in consideration or the conveyance of said lands and interests in lands, does hereby convenant and agree as a covenant running with the land for itself, its successors and assigns, that (1) no person shall on the grounds of race, color, or national origin, sex, age, and disability/handicap, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on over or under such lands hereby conveyed, and (2) that the New York State Department of Transportation shall use the lands and interests in lands and interests in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of -the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation-Effectuation of Title VI of the Civil Rights Act of 1964, Title 23 Code of Federal Regulations, Part 200, Title VI Program and Related Statutes - Implementation and Review Procedures, and as said Regulations may be amended.

#### (REVERTER CLAUSE)

When it is determined by the United States that a Reverter clause is necessary in order to effectuate the purposes of Title VI of the Civil Rights Act of 1964, as amended, the following applies:

That in the event of breach of any of the above-mentioned nondiscrimination conditions, the Department shall have a right to re-enter said lands and facilities on said land, and the above described land and facilities shall thereon revert to and vest in and become the absolute property of the Department of Transportation and its assigns as such interest existed prior to this instruction.

# PROVISIONS RELATING TO THE NEW YORK STATE LABOR LAW, PREVAILING WAGES, AND THE USE OF CONVICT LABOR AND MATERIALS ON FEDERAL & STATE CONTRACTS

**GENERAL PROVISIONS.** All projects funded with Federal aid and let to contract in New York State shall conform to the provisions of the New York State Labor Law, except that in accordance with the authorization in Article 4, Section 85 of the New York State Highway Law, any provisions of the above referenced Labor Law which are in conflict with the following enumerated mandatory Federal Aid highway construction compliance requirements, as contained in Section 635 of the Code of Federal Regulations, Title 23-Highways, and other Federal legislation, rules, and regulations, as referenced below, are superseded:

**CONVICT LABOR.** No convict labor, unless performed by convicts who are on parole, supervised release, or probation, shall be employed in construction or used for maintenance or any other purposes at the site or within the limits of any Federal Aid highway construction project from the time of award of the contract or the start of work on force account until final acceptance of the work by the Owner.

**SELECTION OF LABOR.** No procedures or requirements shall be imposed by any state or municipal subdivision thereof which will operate to discriminate against the employment of labor from any other state, possession, or territory of the United States, in the construction of a Federal Aid project. The selection of labor to be employed by the Contractor on any Federal Aid project shall be of his/her own choosing.

WAGE RATES ON FEDERAL AID PROJECTS. Attention is directed to the statutory provisions governing the prevailing rates of wages for workmen, mechanics, and laborers who are employed on this project. Section 220 of the New York State Labor Law, as amended, requires that the wages paid for a legal day's work shall be not less than the rate of wages plus the supplements prevailing at the time the work is performed, the current schedules of which shall be included in the contract documents. Such schedules may be amended or supplemented from time to time, and such amendments or supplements shall be forwarded to the Contractor.

The Federal Aid Highway Act of 1968 provides for the payment of wages at rates not less than those determined in accordance with the Davis-Bacon Act (40 USC, Section 276-a), the schedule of which shall also be included in the contract documents.

On-site materials suppliers, in addition to all subcontractors, are subject to the provisions of the Davis-Bacon Act. This will not necessarily be construed as causing the on-site material suppliers to be classified as subcontractors as part of the 50% limitation on the subcontracting of this project.

In case of a variance between (1) the schedules of prevailing rates of wages and supplements as determined under Section 220 of the New York State Labor Law, and (2) the schedule of rates of wages as determined pursuant to the Davis-Bacon Act, the Contractor shall accept and use the schedule or schedules that establish the higher rate of wages as the minimum for the workmen who are employed on the project.

**CONSTRUCTION BY FEDERAL AGENCIES.** When construction on Federal Aid highways is being performed by any Federal agency under its procedures and by Federal contract, the labor standards relating to direct federal contracts shall be applicable.

**NON-DISCRIMINATION.** Employment shall be provided without regard to race, color, religion, sex, or national origin.

**CONVICT-PRODUCED MATERIALS.** The use of convict-produced materials on any Federal or Federally-assisted contract must comply with the following requirements:

- a. Materials produced by convict labor may only be incorporated in a Federal Aid highway construction project if such materials have been:
- 1. Produced by convicts who are on parole, supervised release, or probation from a prison; or
- 2. Produced in a qualified prison facility and the cumulative annual production amount of such materials for use in Federal Aid highway construction does not exceed the amount of such materials produced in such facility for use in Federal Aid highway construction during the 12-month period ending July 1, 1987.
- b. "Qualified prison facility" means any prison facility in which convicts, during the 12-month period ending July 1. 1997, produced materials for use in Federal Aid highway construction projects.
- c. Standard State and Federal Aid contract procedures may be used to assure compliance with the requirements of this paragraph.

## **FEDERAL WAGE RATES**

(NO TEXT ON THIS PAGE)

General Decision Number: NY130003 06/07/2013 NY3

Superseded General Decision Number: NY20120003

State: New York

Construction Types: Building, Heavy, Highway and Residential

Counties: Bronx, Kings, New York, Queens and Richmond Counties in New York.

BUILDING & RESIDENTIAL CONSTRUCTION PROJECTS (includes single family homes and apartments up to and including 4 stories), HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification	Number	Publication	Date
- 0		01/04/2013	
1		01/11/2013	
2		01/18/2013	
, 3		02/08/2013	
4		03/22/2013	
- 5		04/26/2013	
6		05/03/2013	
7		05/17/2013	
8		05/31/2013	
· 9		06/07/2013	

ASBE0012-001 01/02/2012

	Rates	Fringes	
Asbestos Workers/Insulator Includes application of all insulating materials, protective coverings, coatings and finishes to			
all types of mechanical systems		26.59 9.10	

BOIL0005-001 01/01/2013

	Rates	Fringes
BOILERMAKER	.\$ 49.47	33%+22.87+a

#### FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Thanksgiving Day, Memorial Day, Independence Day, Labor Day and Good Friday, Friday after Thanksgiving, Christmas Eve Day and New Year's Eve

BRNY0001-001 07/01/2012

	Rates	Fringes
BRICKLAYER	\$ 49.09	22.93

MASON - STONE	\$ 25.65	15.43
BRNY0001-002 07/01/2012		
	Rates	Fringes
Pointer, cleaner and caulker	\$ 42.69	21.74
BRNY0004-001 07/01/2012		
	Rates	Fringes
MARBLE MASON	\$ 54.19	28.3
BRNY0007-001 01/01/2011		
	Rates	Fringes
TERRAZZO FINISHER TERRAZZO WORKER/SETTER		28.55 28.55
BRNY0020-001 07/01/2012		
	Rates	Fringes
MARBLE FINISHER	\$ 43.60	27.10
BRNY0024-001 07/01/2012		
	Rates	Fringes
BRICKLAYER MARBLE POLISHERS	\$ 38.03	20.90
BRNY0052-001 06/04/2012	<del></del>	
	Rates	Fringes
Tile Layer		27.66
BRNY0088-001 06/04/2012		
	Rates	Fringes
TILE FINISHER		24.16
CARP0001-009 07/01/2008	·	
	Rates	Fringes
Carpenters: Carpenters & Soft floor layers	\$ 43.02	35.96
CARP0740-001 07/01/2010		·
	Rates	Fringes
MILLWRIGHT	\$ 46.19	44.93

#### CARP1456-004 01/01/2011

	Rates	Fringes
Dock Builder & Piledrivermen DOCKBUILDERS	\$ 46.21	38.36
CARP1456-005 01/01/2011		- <b></b>
	Rates	Fringes
Diver Tender		38.46 38.46
CARP1536-001 10/01/2010		
	Rates	Fringes
Carpenters: TIMBERMEN	\$ 42.63	31.32
ELEC0003-001 11/09/2011		· ·
	Rates	Fringes
ELECTRICIAN Electricians	\$ 51.00	23.672
and repair work	\$ 25.30	15.13+a
PAID HOLIDAYS:		
a. New Years Day, Martin Luth Washington's Birthday, Memori Labor Day, Columbus Day, Elec the day after Thanksgiving Da	al Day, Inder tion Day, Tha	pendence Day, anksgiving Day,
ELEC1049-001 03/31/2013		
QUEENS COUNTY		
	Rates	Fringes
Line Construction (Substation and Switching structures pipe type cable installation and maintenance jobs or projects; Railroad electrical distribution/transmission systems maintenance (when work is not performed by railroad employees) Overhead and Underground		
transmission/distribution line work. Fiber optic, telephone cable and equipment) Groundman Heavy Equipment Operator Lineman and Cable Splicer. Tree Trimmer	\$ 38.65 \$ 48.31	17.83 18.14 23.07 28.5%+9.75

#### ELEV0001-002 03/17/2013

R	ates	Fringes
ELEVATOR MECHANIC		
Elevator Constructor\$  Modernization and Repair\$		27.605+a+b 27.455+a+b

#### FOOTNOTE:

- a. PAID HOLIDAYS: New Year's Day, Good Friday, President's Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.
- b. PAID VACATION: An employee who has worked less than 5 years shall receive vacation pay credit on the basis of 4% of his hourly rate for all hours worked; an employee who has worked 5 to 15 years shall receive vacation pay credit on the basis of 6% of his hourly rate for all hours worked; an employee who has worked 15 or more years shall receive vacation pay credit on the basis of 8% of his hourly rate for all hours worked.

ENGI0014-001 07/01/2012

·	Rates	Fringes
Pavement equipment operator		
Asphalt Plants\$	51.32	25.88+a
Asphalt roller\$		25.88+a
Asphalt spreader\$		25.88+a
Power Equipment Operator		
(HEAVY & HIGHWAY)		
GROUP 1\$	81.09	25.88
GROUP 10\$		25.88
GROUP 11\$		25.88
GROUP 12\$		25.88
GROUP 13\$		25.88
GROUP 14\$		25.88
GROUP 15\$		25.88
GROUP 2\$	66.70	25.88
GROUP 3\$	68.86	25.88
GROUP 4\$	67.21	25.88
GROUP 5\$	65.86	25.88
GROUP 6\$	63.18	25.88
GROUP 7\$		25.88
GROUP 8\$		25.88
GROUP 9\$	61.14	25.88
Steel erector		
Compressors, Welding		•
Machines\$	39.86	24.15
Cranes, Hydraulic Cranes,		
2 drum derricks,		
Forklifts, Boom Trucks\$		24.15
Three drum derricks\$	70.50	24.15
Utility Laborer		
Horizontal Boring Rig\$		24.15
Off shift compressors\$	46.38	24.15

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Utility Compressors.....$ 36.37
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24.15

#### POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Tower crane

GROUP 2: Backhoes, power shovel, Hydraulic clam shells, moles and machines of a similar type

GROUP 3: Mine hoists and crane, etc. used as mine hoists

GROUP 4: Gradalls, keystones, cranes (with digging buckets), bridge cranes, trenching machines, vermeer cutter and machines of a similar nature

GROUP 5: Piledrivers, derrick boats, tunnel shovels

GROUP 6: All drills, and machines of a similar nature

GROUP 7: Back filling machines, cranes, mucking machines, dual drum pavers

GROUP 8: Mixers (concrete w/loading attachments), concrete pavers, cableways, land derricks, power house (low pressure units), concrete pumps  $\frac{1}{2}$ 

GROUP 9: Concrete plants, well drilling machines, stone crushers double drum hoist, power house (other than above)

GROUP 10: Concrete mixers

GROUP 11: Elevators

GROUP 12: Concrete breaking machine, Hoists (single drum), load masters, locomotive and dinkies over 10 tons

GROUP 13: Vibratory console

GROUP 14: Compressors (portable 3 or more in battery), tugger machine (caissons), well point pumps, chum drill

GROUP 15: Boilers, (high pressure, compressors (portable, single, or 2 in battery, not over 100' apart), pumps (river cofferdam and welding machines (except where arc is operated by members of local 15) push button machines, all engines irrespective of power (power pac) used to drive auxilliary equipment, air, hydraulic etc.

PREMIUMS ON CRANES (Crawler or Truck):

100' to 149' boom - add .50

150' to 249' boom - add .75

250' to 349' boom - add 1.00

350' to 450' boom - add 1.50

Premiums for Cranes on Steel Erection:

100' to 149' boom - add 1.75

150' to 249' boom - add 2.00

250' to 349' boom - add 2.25

350' to 450' boom - add 2.75

Tower crane - add 2.00

#### FOOTNOTE:

a. Paid Holidays: New Year's Day; Lincoln's Birthday; Washington's Birthday; Memorial Day; Independence Day; Labor Day; Veterans Day; Columbus Day; Election Day; Thanksgiving Day; and Christmas Day; provided the employee works one day the payroll week in which the holiday occurs.

ENGI0014-002 07/01/2012

	Rates	Fringes
Power Equipment Operator BUILDING & RESIDENTIAL		
GROUP 1\$	58.57	24.15
GROUP 2\$	62.15	24.15
GROUP 3\$	61.06	24.15
GROUP 4\$	55.46	24.15
GROUP 5\$	41.32	24.15

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Double drum

GROUP 2: Stone derrick, cranes, hydraulic cranes, boom trucks

GROUP 3: 4 pole Hoist, Single Drum Hoists

GROUP 4: Fork lift, house cars, plaster (platform machine), plaster bucket, concrete pump and all other equipment used for hoisting material

GROUP 5: Compressors, welding machines (cutting concrete work), paint spraying, sand blasting, pumps (with the exclusion of concrete pumps), house car (settlement basis only), all engines irrespective of power (power pac) used to drive auxiliary equipment, air, hydraulic, etc., boilers

#### Premiums for Cranes:

100'-149' boom - add 1.75

150'-249' boom - add 2.00

250'-349' boom - add 2.25

350'-450' boom - add 2.75

Tower cranes add 2.00

#### FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Lincoln's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Columbus Day, Election Day, Thanksgiving Day, and Christmas Day, provided the employee works one day in the payroll week in which the holiday occurs

IRON0040-002 01/01/2013

TRONO040-002 01/01/2013

BRONX, NEW YORK, RICHMOND

		Kates	Fringes
IRONWORKER,	STRUCTURAL\$	46.00	50.23

		~~~
IRON0046-003 07/01/2011		
	Rates	Fringes
<u> </u>		
IRONWORKER		
METALLIC LATHERS AND REINFORCING IRONWORKERS	¢ 40 00	24.97
ALINFORCING TRONWORKERS	\$ 40.00	
IRON0197-001 01/01/2013		
	Rates	Fringes
IRONWORKER		
STONE DERRICKMAN	\$ 41.00	36.57
 IRON0361-002 01/01/2013		
KINGS, QUEENS		
	Rates	Fringes
<pre>Ironworkers:     (STRUCTURAL)</pre>	¢ 46 00	E0 00
(SIROCIORAL)	\$ 46.00	50.23 
IRON0580-001 07/01/2012		
	Rates	Fringes
		900
IRONWORKER, ORNAMENTAL	\$ 41.50	40.62
LABO0006-001 07/01/2011		
	Rates	Fringes
Laborers:		
BUILDING CONSTRUCTION		
CEMENT AND CONCRETE		
WORKERS	\$ 38.98	26.08
LABO0029-001 07/01/2012		
•		
	Rates	Fringes
Laborers:		
Heavy		
Blasters (hydraulic trac		
drill)	\$ 41.30	29.25
Blasters		29.25
Hydraulic Trac Drill	\$ 29.92	29.25
Jackhammers, Chippers,		
Spaders, Concrete		
Breakers, All Other		
Pneumatic Tools, Walk		
Behind Self-Propelled		
Hydraulic Asphalt and		<b>a</b> .c
Concrete Breaker		29.25
Powder Carriers	\$ 31.08	29.25
Wagon; Airtrac; Quarry Bar Drill Runners	¢ 25 07	20 00
Dar Diffi Kammerg	SS.U/	28.00

\* LABO0078-001 02/01/2013

Rates Fringes

#### LABORERS

BUILDING CONSTRUCTION ASBESTOS (Removal, Abatement, Encapsulation or Decontamination of asbestos); LEAD; & HAZARDOUS WASTE LABORERS (Hazardous Waste, Hazardous Materials, Biochemical and Mold Remediation, HVAC, Duct Cleaning, Re-spray Fireproofing, etc)......\$ 35.90

LABO0079-001 01/01/2013

Rates Fringes Laborers Building Construction Demolition Laborers Tier A.....\$ 35.21 22.59 Tier B.....\$ 24.75 16.65 Mason Tenders.....\$ 34.50 23.05

#### CLASSIFICATIONS

TIER A: Responsible for the removal of all interior petitions and structural petitions that can consist of sheet rock, block or masonry. Also, all structural slab openings for ducts, mechanical, shafts, elevators, slab openings and exterior walls where the building is not being completely demolitioned.

TIER B: Responsible for shoveling of debris into containers, pushing containers from the inside to the outside of the building.

LABO0147-001 07/01/2012

Rates

Fringes

LABORERS (FREE AIR & TUNNEL)....\$ 58.30

27.20

Maintenance Men, Inside Muck Lock Tenders, Pump Men, Electricians, Cement Finishers, Caulkers, Hydraulic Men, Shield Men, Monorail Operators, Motor Men, Conveyor Men, Powder Carriers, Pan Men, Riggers, Chuck Tenders, Track Men Painters, Nippers, Brakemen, Cable Men, Hose Men, Grout Men, Gravel Men, Form Workers, Concrete Workers, Tunnel Laborers, Mole Nipper (one (1) Mole Sipper per Working Shaft per Shift for up to and including Two (2) Moles

LABO0731-001 07/01/2011

Rates Fringes

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L	2	n	$\sim$	~	$\triangle$	~	0	•
	а	w	$\sim$	_	$\overline{}$	_	0	•

Building, Heavy and
Residential Construction
UNSKILLED......\$38.20 30.27
UTILITY LABORER.....\$38.05 30.27
Heavy & Highway
Construction
LABORER/EXCAVATION
{Asbestos, Lead,
Hazardous Waste Removal
(including soil)....\$36.64 26.21

Paid Holidays: Labor Day and Thanksgiving Day

LABO1010-001 07/01/2011

	Rates	Fringes
Laborers:		
HIGHWAY CONSTRUCTION		
Fence Installer & Repairer.\$	38.34	30.25
FORMSETTERS\$	42.21	30.25
LABORERS\$	38.34	30.25
Landscape Planting &		
Maintenance\$	38.34	30.25
Maintenance Safety Surface.\$	38.34	30.25
Slurry/Sealcoater/Play		
Equipment Installer\$	38.34	30.25
Small Equipment Operator		
(Not Operating		
Engineer)\$	28.94	15.55+a
Small Equipment Operator		
(Not Operating Engineer)\$	38.34	30.25
Small Power Tools Operator.\$	38.34	30.25
(Not Operating Engineer)\$		

#### FOOTNOTES:

a. PAID HOLIDAYS: Memorial Day, Fourth of July, Labor Day, Columbus Day, Election Day and Thanksgiving Day, provided the employee has worked one (1) day in the calendar week in which the said holiday occurs.

LABO1010-002 07/01/2011

r en	Rates	Fringes
Laborers-Asphalt Construction:		
Micro Paver\$	44.86	30.25
Raker\$	44.37	30.25
Screedperson\$ Shoveler (Production	44.86	30.25
Paving Only)\$  Small Equipment Operator	41.08	30.25
(Asphalt)\$	41.08	30.25

PAIN0009-001 05/01/2013

Rates Fringes

GLAZIER Painters:	\$ 42.00	33.14
Painters, Drywall		
Finishers, Lead Abatement Worker	\$ 41.75	20.87
Spray, Scaffold and		
Sandblasting	\$ 44./5 	20.87
PAIN0806-001 10/01/2012		
	Rates	Fringes
Painters: Structural Steel and Bridge	e.\$ 47.00	32.08
PAIN1974-001 12/26/2012		
	Rates	Fringes
Dainbaua	Naces	TTTIIGCS
Painters:  Drywall Tapers/Pointers	\$ 43.82	22.01
PLAS0262-001 02/01/2012		
	Rates	Fringes
PLASTERER	\$ 40.78	26.80
PLAS0262-002 02/01/2012		
KINGS AND QUEENS COUNTIES		
	Rates	Fringes
PLASTERER	\$ 40.78	26.80
PLAS0780-001 07/01/2012		
	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER.	\$ 44.63	38.95
PLUM0001-001 01/01/2013		
	Rates	Fringes
PLUMBER  MECHANICAL EQUIPMENT AND  SERVICE		
Any repair and/or replacement of the present plumbing system that does not change the		
existing roughing		16.05 36.21
PLUM0638-001 06/27/2012		
	Rates	Fringes

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SERVICE FITTERS\$	26.30	2.55
SPRINKLER FITTERS,		
STEAMFITTERS\$	51.25	49.54

Service Fitter work shall consist of all repair, service and maintenance work on domestic, commercial and industrial refrigeration, air conditioning and air cooling, stoker and oil burner apparatus and heating apparatus etc., including but not exclusively the charging, evacuation, leak testing and assembling for all machines for domestic, commercial and industrial refrigeration, air conditioning and heating apparatus. Also, work shall include adjusting, including capacity adjustments, checking and repairing or replacement of all controls and start up of all machines and repairing all defects that may develop on any system for domestic, commercial and industrial refrigeration and all air conditioning, air cooling, stoker and oil burner apparatus and heating apparatus regardless of size or type.

ROOF0008-003 07/01/2012

	Rates	Fringes
ROOFER	.\$ 39.00	27.35

SHEE0028-002 09/15/2011

	Rates	Fringes	
SHEET METAL WORKER			
BUILDING CONSTRUCTION	\$ 48.90	36.00	
RESIDENTIAL CONSTRUCTION	\$ 27.22	16.48	

TEAM0282-001 07/01/2012

1	Rates	Fringes
Truck drivers:		
TRUCK DRIVERS:		
Asphalt\$	37.47	38.5525+a
Euclids & Turnapulls\$		38.5525+a
High Rise\$	42.00	36.9125+a

#### FOOTNOTES:

PAID HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Election Day, Veterans' Day (Armistice Day), Thanksgiving Day, Day after Thanksgiving and Christmas Day. Employees working two (2) days in the calendar week in which a holiday falls are to be paid for such holiday, provided that they shape each remaining workday during such calendar week.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

\_\_\_\_\_\_

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

#### Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

0000/9999: weighted union wage rates will be published annually each January.

#### Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

#### WAGE DETERMINATION APPEALS PROCESS

- 1.) Has there been an initial decision in the matter? This can be:
- \* an existing published wage determination
- a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations Wage and Hour Division U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

(NO TEXT ON THIS PAGE)

#### "BUY AMERICA" REQUIREMENTS & WAIVERS

**GENERAL BUY AMERICA BID REQUIREMENTS AND DEFINITION.** In accordance with New York State Department of Transportation Official Order No. 1511 establishing consistency for application of Section 146 of the State Finance Law, and Section 165 of the U. S. Surface Transportation Act of 1982, as amended, the Bidder must submit a bid based on permanently incorporating only domestic steel and/or iron in the construction of this contract.

The Bidder may also submit a bid based upon being allowed to permanently incorporate foreign steel and/or iron into the work of the contract. If the Bidder chooses to submit such a bid, the Bidder should purchase an additional proposal for this contract and legibly print the following in ink on the proposal cover and at the bottom of the proposal sheet which contains the phrase "Total gross sum written in words": TOTAL BID BASED UPON USING FOREIGN STEEL AND/OR IRON.

When bids are submitted based upon domestic and foreign steel and/or iron, both bids are to be submitted in the same envelope.

To qualify as domestic, all manufacturing processes (including the fabrication of any product containing steel and/or iron) must have been performed in the United States. To further define the coverage, a domestic product is a manufactured steel and/or iron construction material that was produced in one of the 50 States, the District of Columbia, Puerto Rico, or in the territories and possessions of the United States. Raw material used in the steel and/or iron may be imported. All manufacturing processes to produce steel and/or iron products must occur domestically. Raw materials are materials such as iron ore, limestone, waste products, etc., which are used in the manufacturing process to produce the steel and/or iron products. Waste products would include scrap; i.e., steel and/or iron no longer useful in its present form from old automobiles, machinery, pipe, railroad tracks, and the like. Also, steel and/or iron trimmings from mills or product manufacturing are considered waste. Extracting, crushing, and handling the raw material which is customary to prepare them for transporting are exempt from Buy America.

**AWARD OF CONTRACT.** Award of this contract will be made to the lowest bidder who submits the lowest total bid based upon furnishing domestic steel and/or iron unless such total bid exceeds the lowest total bid based upon furnishing foreign steel and/or iron by more than 25 percent, in which case award will be made to the lowest responsible bidder based upon furnishing foreign steel and/or iron.

**CONTROL OF MATERIALS.** All items, regardless or origin, shall comply with their individual specification requirements. In the event the contract is awarded based upon using only domestic steel and/or iron, the Contractor must supply only domestic steel and/or iron and will be paid the domestic steel and/or iron bid prices. The Contractor will be responsible for ensuring that the domestic steel and/or iron is supplied in conformance with the above referenced laws. Such responsibility extends to informing all affected subcontractors and material suppliers of these specific requirements and ascertaining that steel and/or iron being supplied is in conformance with the standard specifications.

In the event that the contract is awarded based upon being allowed to permanently incorporate foreign steel and/or iron in the work, the Contractor may supply either domestic or foreign steel and/or iron and will be paid the foreign steel and/or iron bid prices. If the contract is awarded based upon the domestic steel and/or iron bid, the Contractor may permanently incorporate in the construction of this contract a minimal amount of foreign steel and/or iron if the combined cost of such materials does not exceed one-tenth of one percent (0.1 percent) of the total contract cost or \$2,500.00, whichever is greater. The combined cost of foreign steel and/or iron will be that shown to be the value of the steel and/or iron products as they are delivered to the project.

BUY AMERICA WAIVERS. In addition to the award of a bid based on foreign steel and/or iron materials, waivers to the Buy America requirement may be requested by the State to the Division Federal Highway Administration if it can be demonstrated that the use of domestic steel and/or iron materials would be inconsistent with the public interest, such materials and products are not produced in the United States in sufficient and reasonably available quantities and of satisfactory quality provided one or more of the above requirements are met, the Contractor may submit a request for a waiver to the Engineer. The request shall include copies of all documentation verifying the unavailability of the material or product, and/or justification of the application for a waiver. For Federally Aided contracts, final approval of the Buy America Waiver request will be made by the Division Federal Highway Administration and concurred with by the Director, Construction Division. For non-Federally Aided contracts, upon final approval of the affected Department program areas, notification and approval of the Buy America Waiver request will be made by the Director, Construction Division.

Note: The following is a list of materials or products which have been granted waivers or exclusions from the "BUY AMERICA" provisions:

- Hollow 'I'-shaped steel extrusions
- NYCDEP Water Main castings such as valves, mechanical joint fittings and hydrants.
   However, this does not release the remainder of the contract from "Buy America"
   requirements, including all steel pipe, straight full length ductile iron pipes, frames and
   grates for catch basins, and street lighting.

CERTIFICATIONS AND TRACKING OF FOREIGN STEEL/IRON. In order to ensure compliance with this contract requirement, all manufacture's certifications for steel and/or iron and items including steel and/or iron must contain a statement of domestic origin, and material suppliers must certify that what they provide is the same material certified by the manufacturer. If the material or product certification does not properly identify conformance to the specification the product will be rejected and must be removed from the project site. If however the manufacturer and/or material supplier requests to leave the product in place and provide a revised certification only, the revised certification must be accompanied with a letter of explanation to the satisfaction of the Resident Engineer. The explanation shall indicate the basis for using the revised certification rather than the original supplied. The letter shall also include corrective action to assure that future certifications will be representative of the material or product supplied. The letter must be signed by a company representative that can legally bind the firm.

If the Contractor proposes to use foreign steel/iron in small amounts under the threshold, the amount allowed will be based on the material price to the Contractor, as verified by invoice and approved by the Resident Engineer. The amount is cumulative for the entire contract, so subsequent requests will have to be added to any previous requests before comparison to the allowable threshold.

The "Buy America" contract specification does not apply to iron or steel that is to be used for temporary means which will be removed during or at the end of the project.

#### **DEFINITIONS:**

Steel - Steel material of any type, including welding rod.

Iron - Iron material of any type, including cast and ductile iron, but not pig iron.

**Domestic** - The 50 States, the District of Columbia, Puerto Rico and territories/possessions of the US.

Foreign - Any location other than those defined as Domestic.

Manufacturing Processes - Steel and/or iron manufacturing processes must be domestic; e.g. manufacture, fabrication, grinding, drilling, welding, finishing and coating of steel. Ore, scrap, and pig iron may be foreign or domestic; however, transformation into steel and/or iron and all subsequent processes and fabrication must be domestic. The fabrication of composite items using domestic steel (e.g. casting reinforced concrete box culvert using reinforcing cut and bent to final shapes) is not considered a manufacturing process, and the composite item is acceptable.

Fabricated Product Containing Steel and/or Iron - Items, products or materials containing any amount of steel and/or iron materials; e.g., a metal pipe may be steel or iron, a reinforced concrete pipe contains steel, a prestressed beam contains steel, iron castings are iron, a steel beam is steel and steel laminated bridge bearings contain steel.

(NO TEXT ON THIS PAGE)

#### **EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS**

# [SEE SECTION 102-11 OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS]

COUNTY	% GOAL	COUNTY	% GOAL	COUNTY	% GOAL
Albany Allegany Broome Bronx Cattaraugus Cayuga Chautauqua Chemung Chenango Clinton Columbia Cortland Delaware Dutchess Erie Essex Franklin Fulton Genesee Greene Hamilton	3.2 6.3 1.1 6.3 6.3 6.2 2.2 2.6 6.5 2.1.6 6.5 2.6 2.5 2.6 2.6 2.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5	Herkimer Jefferson Kings Lewis Livingston Madison Montgomery Nassau New York Niagara Oneida Onondaga Ontario Orange Orleans Oswego Putnam Queens Repsselaor	2.1 2.5 * 2.5 5.3 3.8 5.3 7.7 2.1 3.8 5.3 17.0 5.3 17.0 5.3 1.2 22.6	Richmond Rockland St Lawrence Saratoga Schenectady Schoharie Schuyler Seneca Steuben Suffolk Sullivan Tioga Tompkins Ulster Warren Washington Wayne Westchester Wyoming Yates	* 22.6 2.5 3.2 2.6 1.2 5.9 1.1 1.2 17.0 2.6 2.6 5.3 22.6 6.3 5.9
Chemung Chenango Clinton Columbia Cortland Delaware Dutchess Erie Essex Franklin Fulton Genesee	2.2 1.2 2.6 2.5 1.2 6.4 7.7 2.6 2.5 2.6 5.9	Monroe Montgomery Nassau New York Niagara Oneida Onondaga Ontario Orange Orleans Oswego Otsego Putnam	5.3 3.2 5.8 * 7.7 2.1 3.8 5.3 17.0 5.3 3.8 1.2	Schuyler Seneca Steuben Suffolk Sullivan Tioga Tompkins Ulster Warren Washington Wayne Westchester Wyoming	1.2 5.8 17.0 1.1 17.0 2.6 22.6 6.3

# \* The following goal ranges are applicable to the indicated trades in the counties of Bronx, Kings, New York, Queens, and Richmond:

Flectricians	0.0 += 10.0
Electricians	9.0 to 10.2
Carpenters	27.6 to 32.0
Steam Filters	2.2 to 13.5
Metal Lathers	26.0 to 28.6
Operating Engineers	25.6 to 26.0
Plumbers	12.0 to 14.5
Iron Workers (Structural)	25.9 to 32.0
Elevator Constructors	5.5 to 6.5
Bricklayers	13 4 to 15 5
Aspestos Workers	22.8 to 28.0
Rooters	63to 75
Iron Workers (Ornamental)	22 4 to 23 0
Cement Masons	. 23.0 to 27.0
Glaziers	16.0 to 20.0
Plasterers	15.8 to 18.0
Teamsters	22.0 to 22.5
Boilermakers	13.0 to 15.5
All Others	16.4 to 17.5

#### **GOALS FOR WOMEN**

Female Goals -6.9%
Goals for the utilization of women by Federal and Federally. assisted construction contractors were last published on April 7, 1978 (43 CFR 4988, 149000). That April 7, 1978 publication included a 6.9% goal for the period from April 1, 1980 until March 31, 1981. Pursuant to 41 CFR 60-4.6, the 6.9% goal for female utilization is extended until further notice

THESE MUST BE INCLUDED IN EACH BID ROPOSAL REGARDLESS OF WHOSE SPECIFICATIONS ARE USED.

# NO TEXT

#### ATTACHMENT "H"

# GOALS FOR DISADVANTAGED/MINORITY/WOMEN'S BUSINESS ENTERPRISE (D/M/WBE) PARTICIPATION

The Department has established the following utilization goal(s) for this contract, expressed as a percentage of the total contract bid amount. For clarification of Disadvantaged Business Enterprise (DBE) Utilization, Minority Business Enterprise (MBE) Utilization or Women's Business Enterprise (WBE) Utilization requirements refer to §102-12 *D/M/WBE Utilization* of the Standard Specifications.

Directories and/or Information related to the current certification status of Disadvantaged Business Enterprises can be obtained from the NYS Unified Certification Program website at: http://biznet.nysucp.net

Direct questions concerning Disadvantaged Business Enterprise Utilization to:

NYS Department of Transportation Office of Construction 50 Wolf Road Pod 51 Albany, New York 12232 (518) 457-6472

Direct questions concerning Disadvantaged Business Enterprise Certification to:

NYS Department of Transportation Contract Audit Bureau DBE Certification 50 Wolf Road, 6<sup>th</sup> Floor Avenue F, 1<sup>st</sup> Street Albany, New York 12232 (518) 457-3180

Directories and/or information related to the current certification status of Minority and Women's Business Enterprises, can be obtained by contacting the:

Empire State Development Corporation
Office of Minority and Women's Business Development
30 S. Pearl Street
Albany, NY 12245
(518) 292-5250
<a href="http://www.empire.state.ny.us/MWBE.html">http://www.empire.state.ny.us/MWBE.html</a>

## DISADVANTAGED BUSINESS ENTERPRISE REQUIREMENTS FOR FEDERAL AID CONTRACTS

[SEE SECTION 102-12 OF THE NEW YORK STATE
DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS]

#### **Contract Requirements**

## REQUIREMENTS REGARDING TRAINING IN FEDERAL AID CONTRACTS TRAINING SPECIAL PROVISION

GENERAL. The primary objective of this Training Special Provision is to provide training opportunities to minority and disadvantaged persons and women in construction trades for two purposes:

- 1. To maintain a pool of qualified minority and disadvantaged persons and women to replace those journeyworkers<sup>2</sup> who, to the natural course of events, will leave the workforce; and
- To provide minority and disadvantaged persons and women as Indentured apprentices or trainees in those
  geographic areas where shortages in minority and women journeyworkers are recognized because the
  Contractor's inability to meet the Equal Employment Opportunity (EEO) goals set forth in this contract.

This work shall consist of the employment and meaningful and effective training of minority and disadvantaged persons and women in training programs approved by the N.Y.S. Department of Transportation leading to their qualifications as journeyworkers in the skilled trades required in highway construction. This Training Special Provision supplements the Equal Employment Opportunity requirements included elsewhere in this Proposal entitled either "Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246) or "Equal Employment Opportunity Requirements." Each of the foregoing prescribe specific percentage goals for utilization of minorities and women in the performance of work for the geographic area location of the Contract.

Each contract which contains this Training Special Provision shall require the training of at least one minority or woman indentured apprentice or trainee. Such individual shall be either approved or selected by the Owner with concurrence by the Department of Transportation. Other than this initial training obligation, to be undertaken and provided by the Contractor, no additional training obligations will exist under this Training Special Provision unless the goals for minority and women employment and training in the skilled workforce (exclusive of laborers) are not continuously met on the contract and generally distributed amongst the trades. In the five counties of New York City, the goals specified for each trade are applicable. Whenever the goals are not met, additional minority and/or women indentured apprentices and/or trainees will be assigned or approved in numbers necessary to meet the goals. Data necessary to determine if goals are being met will be provided on Contractor and Subcontractor Monthly Employment Utilization Reports (Form AAP 33LL) submitted by the Contractor on a monthly basis to the Engineer-in-Charge of construction contract, or other agent of the Owner responsible for administering the contract, or other forms approved by the Department of Transportation.

The data will be verified by the visual observance of the Engineer-in-Charge, or designated project inspectors, or other agent of the Owner, and hours of employment reported on Contractor and Subcontractor certified weekly payrolls. The number of minority and women indentured apprentices and trainees required to be trained under this Item shall not exceed the equivalent of 12 1/2% of the total journeyworker workforce on the contract (counted in hours worked), i.e., no more than 1 in 8 of the skilled workforce is required to be a minority or woman Indentured apprentice or trainee. This limitation applies regardless of minority or women representation in the trades. However, this limit on required training in no way absolves the Contractor of the responsibility to comply with the EEO contract requirements.

<sup>&</sup>lt;sup>1</sup> Disadvantaged means a person who is either. (a) a member of a family the receives public assistance, or (b) a member of a family whose income during the previous six (6) months or an annualized basis, was such that (1) the family would have qualified for public assistance, if it had applied for such assistance; or (2) it does not exceed the poverty level. NOTE: The name, address, and social security number of candidates to be trained under the disadvantaged criteria must be submitted to the Owner accompanied by related economic documentation for approval prior to commencing training.

<sup>&</sup>lt;sup>2</sup> Journeyworker means a person who is capable of performing all the duties within a trade or a given work classification of a trade approval prior to commencing training, subject to concurrence by the Department of Transportation.

#### **Contract Requirements**

#### REQUIREMENTS REGARDING TRAINING ON FEDERAL AID CONTRACTS

PRECONSTRUCTION MEETING. Before the Contractor will be allowed to begin work, the Contractor shall attend a Preconstruction Meeting and shall submit for the Owner's use and acceptance, a <u>Manpower and Training Utilization Schedule</u> (Form AAP 35LL) which shall be correlated to the Contractor's work schedule. The Schedule shall include at least the following information:

- 1. A work schedule for the entire contract.
- An estimate of the work force required to conform to the work schedule on a monthly basis including an estimate of the work force in each trade and/or work classification projected to be used,
- Separate estimates of the number of minority and women indentured apprentices or trainees that would be required in each skilled trade to meet the contract EEO employment goals for that trade assuming no minority or women journeyworkers in the workforce.
- The approved training programs to be used and the proposed starting dates for training in each trade and/or work classification,
- An estimate of the availability of minority and women journeyworkers in numbers sufficient to meet the EEO contract goals, and
- 6. Any proposal by the Contractor to use trainees or indentured apprentices to make up for anticipated EEO goal shortfalls. Such proposals shall include the name and craft of any individual proposed by the Contractor as the required trainee or indentured apprentice. In the case of an indentured apprentice, evidence of indentureship and registration of the approved apprenticeship program must be included.

No contract work may be undertaken until the Owner has accepted the Schedule and obtained the concurrence of the Department of Transportation. The Contractor shall submit a revised <u>Manpower and Training Utilization Schedule</u> at such times as major changes in the contract work schedule or a significant workforce buildup occurs which substantially affect the previously submitted Schedule.

RECRUITMENT. Although the training requirements of this Training Special Provision are not intended, and shall not be used to discriminate against any applicant for training, whether a member of a protected class or not, it is recognized that non-minority males have traditionally been and continue to be trained, either formally or on-the-job in an informal manner, for in the trades utilized in construction work. Therefore, until such time that representative numbers of minorities and women complete training and their utilization as journeyworkers is demonstrated to the extent of the participation goals set forth in the Department of Transportation's construction contracts, training required under this Training Special Provision will be primarily limited to minorities, women, and disadvantaged individuals.

Thus, the Contractor shall demonstrate compliance with the intent of this Training Special provision by affording the Owner, with the concurrence of the Department of Transportation's appropriate Regional Compliance Specialist (RCS), the opportunity to:

- 1. First, approve the use of a minority or woman indentured apprentice known to the Contractor through an existing Joint Apprenticeship Training Program, or
- Second, provide a partially-trained minority or woman trainee who is currently enrolled in a New York State Department of Transportation approved training program, or
- 3. Third, work cooperatively with the Contractor in recruitment of new minority or women trainees, when needed.

In conformance with the foregoing, the Contractor should submit a Department of Transportation Form AAP-17, Request for Personnel, to the Owner at the Preconstruction Meeting, and the Owner should seek concurrence of that from Department of Transportation's Regional Compliance Specialist. The Contractor is responsible for ensuring that on-the-job orientation for approved indentured apprentices or assigned trainees is provided to such individuals within their first month of employment.

#### **Contract Requirements**

WORK HISTORY. No individual shall be employed as a trainee or indentured apprentice in any trade and/or work classification in which such person has successfully completed a training course providing journeyworker status in the same trade or work classification, or in which such person has been gainfully employed as a journeyworker by virtue of informal on-the-job training. Detection of individuals in the above categories may be accomplished by including appropriate questions on employee application forms, inquiries to the Department of Transportation Regional Compliance Specialist, checking personal references, or by other suitable means. Regardless of the method used, the Contractor shall document the findings for each indentured apprentice or trainee provided training under this requirement. A copy of the findings shall be given to the Owner's Engineer or agent in charge of the project, who shall request concurrence of the Department of Transportation. In the case of indentured apprentices, evidence of indentureship in a registered approved apprenticeship program shall also be provided.

SUBCONTRACTING. In the event the Contractor subcontracts a portion of the contract work, the Contractor shall ensure that the requirements of this Training Special Provision are physically incorporated into such subcontracts to ensure that the workforce utilized by the Subcontractor meets the goals for minority and women employment and training, either independently or in combination with the Contractor's workforce. The Contractor must determine the hours of training, if any, and in which trade or work classifications, minority or women indentured apprentices or trainees are to be trained by the Subcontractor(s). However, the Contractor shall retain the primary responsibility for meeting the training requirements of this Training Special Provision. Subcontractors are herewith advised that disregard of these requirements may result in the Department of Transportation either rescinding approval or disapproving their use on subsequent contracts let by the Department of Transportation or on contracts let by other agencies under agreement to the Department of Transportation.

TRAINING AND APPRENTICESHIP PROGRAMS. The minimum length, type of training, and rate of pay for the trade or the work classification of the trade will be specified in the training program approved or sanctioned by the New York State Department of Transportation with the concurrence of the Federal Highway Administration. Both of these agencies shall approve or sanction a training program if it meets the Equal Employment Opportunity obligation of the Contractor and qualifies the trainee for journeyworker status in the trade or work classification concerned by the end of the training period. Furthermore apprenticeship programs registered with the U. S. Department of Labor, Office of Manpower Development, Apprentice Training Section, and training programs approved, but not necessarily sponsored, by the U. S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training, shall also be considered acceptable provided they are administered in a manner consistent with the Equal Employment Opportunity obligations of New York State Department of Transportation construction contracts. A copy of the training programs approved by the NYSDOT will be made available by the NYSDOT upon request by the Owner or the Contractor. The Contractor shall provide a copy of the approved apprenticeship or training program to the indentured apprentice or trainee.

Where training is to be provided under this Training Special Provision, the Contractor shall obtain acceptance or approval of the training or apprenticeship program to be used, and the starting time for training, prior to commencing training. The Contractor shall provide on-the-job training directed toward developing journeyworkers in the trade, or work classification(s) of the trade, involved. To the extent that the work involved on the contract permits, such training should include all phases and facets of a trade, or work classification of a trade, to satisfy usual construction industry requirements for continued or future employment therein. Additionally, the Contractor shall provide a minimum of 144 hours per calendar year of related classroom training at an approved facility for each individual so enrolled, in accordance with Article 23 of the New York State Labor Law, Section 815.3.

WAGES. Indentured apprentices will be paid at least 60 percent of the appropriate prevailing wage rate specified in the contract for the same trade or work classification for which they are being trained for the first half of the training period, 75 percent for the third quarter of the training period, and 90 percent for the last quarter of the training period. Trainees will be paid the appropriate prevailing wage specified in the contract for the same trade or work classification for which they are being trained.

Indentured apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits apprentices must be paid the full amount of fringe benefits listed on the wage determinations for the applicable classification. On-the-job (OJT) trainees shall be paid fringe benefits in accordance with the provisions of the prevailing wage rates.

If the trainee program does not mention fringe benefits trainees shall be paid the full amount of fringe benefits listed on the wage determinations unless the Administrator of Wage and Hour Division determines that there is an

#### **Contract Requirements**

apprenticeship program associated with the corresponding journeyworker wage rate on the wage determination which provides for less than full benefits for apprentices.

DURATION OF TRAINING. Once an indentured apprentice is approved or a trainee is assigned to the contract under this Training Special Provision, that individual shall be trained in the designated trade throughout the duration of the contract whenever such trade is in use on the contract until the trainee or indentured apprentice has completed the approved training program. Where training is provided under a multi-phase apprenticeship or training program, it is expected that training will be provided continually through all phases to the extent that opportunities for such training exist in the work under contract. Upon satisfactory completion of a phase of training under a multi-phase apprenticeship or training program, if training in the remaining phases is not available and work in the completed phase is available, the minority or woman indentured apprentice or trainee shall continue employment, and be compensated at the prevailing journeyworker wage rate for such work. Hours of employment as a journeyworker described above will not be credited toward training hours required by the approved training or apprenticeship program.

A trainee may be terminated at any time during training for excessive absenteeism, lack of punctuality accident-proneness, lack of interest, poor attitude and continued failure to conduct his/herself in a professional manner. However, termination will not occur prior to proper counseling, documentation, and notification in writing to the Owner's Engineer or agent in charge of the project, and to the Department of Transportation's Regional Compliance Specialist, and subsequently the concurrence of the Owner's engineer or agent and the NYSDOT Regional Compliance Specialist, with that termination.

REQUIRED RECORDS. The Contractor shall provide each minority or woman trained under this provision with a certification showing the type and length of training satisfactorily completed. In addition, the Contractor shall keep records on the job site indicating, the nature and hours of training provided to each trainee or indentured apprentice documenting performance under this Training Special Provision to the Owner's Engineer or agent in charge of the project and to the Department of Transportation's Regional Compliance Specialist Form AAP-42a, Training Report will be submitted once the trainee or indentured apprentice commences training, competes training, or is terminated and each December 31st that individual is in training. Form AAP 26LL, Monthly Training Progress Report, will be submitted every month after the individual commences training. No measurement will be made of training provided to indentured apprentices or trainees for whom no work history has been provided to the. Owner's Engineer or agent in charge of the project. In addition, no measurement will be made of the training provided to apprentices for whom no evidence of indentureship in a registered program has been provided to the Owner's Engineer or agent in charge of the project.

NO PAYMENT FOR TRAINING. No payment will be made to the Contractor for the training required by this Training Special Provision. The required training is a labor cost which is included in the unit prices bid by the Contractor for the items of work comprising the contract.

LISTS OF OJT & REGISTERED APPRENTICESHIP PROGRAMS. Effective April 1,1992, the New York State Department of Transportation commenced a demonstration program in NYSDOT Regions 2, 3, 5, and 11 requiring the exclusive use of apprenticeship training to fulfill the Training Special Provision and supplement EEO goal attainment. The remaining NYSDOT Regions, contractors will be allowed to use on-the-job training (OJT) programs during the period of the demonstration project. However, only OJT programs for crafts that have been deemed as apprenticeable occupations will be approved. In order to ease the transition from OJT to apprenticeship, it is required that all OJT will participants receive related classroom instruction.

It is the policy of the New York State Department of Transportation to afford equal employment opportunity to traditionally socially and economically disadvantaged persons by providing training opportunities to minority and disadvantaged persons and women to improve their potential for construction employment. NYSDOT, therefore, provides training as a contract requirement on selected construction contracts, including those let by other agencies and local governments under an agreement with NYSDOT.

When OJT is to be provided under this Training Special Provision, the Contractor shall obtain acceptance from the Owner and NYSDOT for the OJT Program to be utilized and the starting time frame for training, prior to commencing training. Accordingly, the following is a listing of OJT programs which have been approved by the NYSDOT and the Federal Highway Administration (FHWA) for utilization in NYSDOT Regions 1, 4, 6, 7, 8, and 10.

NOTE: A contractor in these Regions may opt to use either OJT or apprenticeship programs. However, the use of apprenticeship programs is strongly encouraged.

#### **Contract Requirements**

# FOR LISTS OF CURRENTLY APPROVED APPRENTICESHIP PROGRAMS SEE THE FOLLOWING NEW YORK STATE DEPARTMENT OF LABOR'S WEB SITE:

http://www.labor.ny.gov/apprenticeship/sponsor/index.asp

## NO TEXT

#### CHANGED CONDITIONS AND DISPUTED WORK PROVISIONS:

It is the goal of the Department to resolve disputes that may arise under the contract in a timely, just and fair manner consistent with the terms of the contract. Towards this goal, the Department is specifying the dispute resolution and disputed work provisions of this Section. This dispute resolution process may be undertaken at any time from the contract award to the submission of the final estimate for payment by the Department. The process recognizes and will take into consideration the risks and controls inherent in construction which the Contractor or the Department have agreed to assume pursuant to the terms of the contract.

If the Contractor considers its disputes unresolved after following the requirements of this Section then at any time prior to the submission of the final agreement for payment to the Department, the Contractor may request in writing a meeting with the Department, or its designated representative, to review any outstanding dispute or items of a dispute that have not been previously resolved to the satisfaction of the Contractor through the dispute resolution process. If the contractor fails to comply with the requirements of this section, any claim of the Contractor with respect thereto shall be deemed waived.

- A. TIME RELATED DISPUTES. Whenever the Contractor believes that it is or will be entitled to additional compensation for time related disputes, whether due to delay, extra work, disputed work, breach of contract, or other causes, the Contractor shall follow the procedures set forth in this Section. All subcontracts, supply or equipment contracts shall incorporate these provisions of Dispute Resolution and Disputed Work Provisions. If such subcontracts or supply or equipment contracts do not have similar provisions, then the Department's payments to the Contractor for such subcontract or supply or equipment work shall be limited to only that which are provided by the provisions of this Section as if it were in effect for such subcontract or supply or equipment contract.
- 1. a. The term 'dispute' shall mean a matter of contract performance or contract compensation, including granting of extensions of time, in which there is or may be disagreement between the Contractor and the Department and which may involve adjustment of contract items or the addition of new items to the contract, extension of time for performance and/or adjustments in compensation necessitated by the resolution of such disagreement.
  - b. The term 'time related dispute' shall mean any dispute arising from any event not within the Contractor's control, performance, action, force, or factor which affects the scheduled time of performance depicted in the Contractor's most recent Department approved progress schedule submitted to the Department. This Subsection is intended to cover all such events which include termination, major deductions or increases to quantities of work, Contingencies, Extra Work, Deductions, and suspension of work and cancellation of contract, Right to Suspend Work and Cancel Contract, as well as actions, forces or factors, whether they be termed 'delay', 'disruption', 'interference', 'inefficiencies', 'impedance', 'hindrance', 'acceleration', or otherwise. This subsection shall cover all such applicable events under Differing Site Conditions, Suspensions of Work, Significant Changes in the Character of the Work Provisions. Notwithstanding the foregoing, for time related compensation requests, the Department will compensate the Contractor for only those instances arising out of the issuance by the Department of a stop work order relative to a substantial portion of the work, or arising out of the unavailability of critical rights of way parcels, either of which are determined by the Department to significantly affect the scheduled completion of the work.

- Strict compliance with the notice provisions of this Section and compliance with the
  record keeping provisions of this section and Extra, Force Account Work, Dispute
  Compensation and Record Keeping, shall be an essential precedent condition under
  the contract provisions to any recovery of time related damages by the Contractor
  whether it be under the contract provisions, court actions and proceedings or
  otherwise.
- 3. Except for situations that come within the terms of Differing Site Conditions, Suspensions of Work, Significant Changes in the Character of the Work Provisions, subsection (2), Suspensions of Work, within ten work days after the Contractor has knowledge or should have had knowledge of an event, matter or occasion, that will result in time related damages, the Contractor must provide the Engineer with written notice of a dispute for time related damages.

The Department shall have no liability and no adjustment will be made for any time related damages which accrued more than ten work days prior to the filing of such a notice with the Engineer. Failure of the Contractor to give such written notice in a timely fashion will be grounds for denial of the dispute and the Department does not have to show prejudice to its interest before such denial is made. In the event the Contractor fails to provide the required written notice within the ten work day period and the Contractor demonstrates justifiable excuse or cause as determined by the Department for not providing the required written notice, then said 10 day notice period may be lengthened but only if the Contractor has maintained and submits the specified records set forth in these provisions and the Department has knowledge of the matter or occasion that may result in time related damages. In the event the Contractor fails to maintain and submit such specified records, or fails to demonstrate justifiable excuse or cause if such notice is not given, or demonstrates such justifiable excuse or cause but fails to maintain and continue to maintain and submit such specified records, the Contractor hereby agrees to waive the dispute for compensation, notwithstanding the fact that the Department may have actual notice of the facts and circumstances which comprise such dispute and is not prejudiced by said failure.

As directed by the Engineer, the work shall continue during the pendency of the dispute. The Engineer shall make the initial determination in writing on the dispute and the Contractor, if it considers the issue unresolved, shall promptly notify, within ten (10) work days after receipt of the Engineer's decision, notify the Department, in writing with copies to the Engineer of its contentions relative to the dispute, indicating the substance of previous communication on the issue with the Engineer and its rebuttal of his or her previous findings or determinations. The Department, or its designee, shall make a finding thereon and notify the Contractor of same in writing.

Adjustments of contract items, or adjustments to the time of performance, or the addition of new items to the contract necessitated by such dispute determination may be made until the time the final agreement is submitted for payment to the Department, provided that the requirements of this Section are complied with.

4. If time related damages are presumed to have been incurred and after giving the Department notice of a dispute for time related damages, the Contractor must keep daily records of all labor, material, and equipment costs and hours incurred for the affected operations. These daily records must identify each operation affected and the specific locations where work is affected. On a "weekly basis," beginning the week following the date of giving notice of a dispute for time related damages, the Contractor shall meet with the Engineer and present the daily records for the preceding week. If

the Engineer disagrees with the accuracy, applicability, or reasonableness of any portion of the Contractor's submission, he/she shall promptly notify the Contractor who shall correct its records. If there is a dispute as to records, the Contractor must follow the requirements of this specification, Part C. The dispute shall first be submitted to the Regional Director and if unresolved will be submitted in writing to the Department or his/her designee whose decision shall be final and conclusive subject to the Contractor's right to assert a claim in New York State Court of Claims. Lack of substantial compliance with the requirements to attend weekly meetings or present its records will constitute a waiver by the Contractor of said dispute for time related damages.

- 5. After giving notice of a dispute for time related damages, the Contractor shall prepare and submit to the Engineer, if requested, weekly written reports until complete resolution of the dispute, which shall be available at the next scheduled job meeting, providing the following information:
  - a. Potential effect to the Contractor's schedule caused by the time related dispute;
  - b. Identification of all operations that have been affected or delayed, or are or may be affected or delayed;
  - c. Explanation of how the Department's act or omission affected or delayed each operation, and estimation of how much more time is required to complete the project;
  - d. Itemization of all extra costs being incurred, including:
    - (1) An explanation as to how those extra costs relate to the effect or delay and how they are being calculated and measured.
    - (2) Identification of all project employees for whom costs are being compiled.
    - (3) Identification of all manufacturers' numbers of all items of equipment for which costs are being compiled.
- In addition, after submitting the required notice specified in this section, the contractor shall complete its dispute submission by complying with Extra Force Account Work, Dispute Compensation and Record Keeping, Part (E), Required Content of Dispute Submission, when such information is ascertainable by the contractor and Part (F), Required Certification of Disputes.
- B. ACCELERATION DISPUTES. The Contractor may not maintain a dispute for costs associated with acceleration of the work unless the Department has given prior express written direction by the Engineer to the Contractor to accelerate its effort. The Contractor shall always have the basic obligation to complete the work in the time frames set forth in the contract. For purposes of this Subsection, lack of express written direction on the part of the Department shall never be construed as assent.

If the Contractor does accelerate its work efforts pursuant to a written order or express written approval by the Department, the Contractor shall be compensated for its effort, in the same manner and as limited by Extra Force Account Work, Dispute Compensation and Record Keeping, Part (D). The Department, in determining whether or not any compensation under this Section is warranted, will evaluate the facts and circumstances which led to the acceleration to determine whether they were in the Contractor's control.

If the Contractor is claiming a "constructive acceleration," it must follow the requirements of this section, Part A.

DISPUTED WORK. If the Contractor is of the opinion that any work ordered by the Engineer to be done as contract work is extra work and not contract work, or that any order of the Engineer exceeds the work requirements of the provisions of the contract, the Contractor shall promptly, within ten work days of receipt of the order or direction, notify the Engineer in writing of its contentions thereto. The Contractor must progress the work as required and ordered. In the meantime, the Contractor, if it considers the issue unresolved, shall promptly, within ten work days of receipt of the Engineer's written decision, notify the Department in writing with copies to the Engineer, of its contentions relative to the dispute, indicating the substance of previous communication on the issue with the Engineer and its rebuttal of their previous findings. The Department, or its designated representative, shall make a finding thereon and notify the Contractor of same in writing. If such work is determined by the Department or its designee to be extra work pursuant to the provisions of this Section, compensation will be made pursuant to Extra Force Account Work, Dispute Compensation and Record Keeping, Part (B). In addition, after submitting the required notice specified in this section, the contractor shall complete its dispute submission by complying with Extra Force Account Work, Dispute Compensation and Record Keeping, Part (E), Required Content of Dispute Submission, when such information is ascertainable by the contractor and Part (F), Required Certification of Disputes. This subsection shall cover all such applicable extra work under Differing Site Conditions, Suspensions of Work, Significant Changes in the Character of the Work Provisions. During the progress of such disputed work, the Contractor and Engineer shall keep daily records and make reports of all labor, material and equipment used in connection with such work and the cost thereof as specified in Extra Force Account Work, Dispute Compensation and Record Keeping, Part (C), Force Account Reports.

If the Department or its designated representative determines that the work in question is contract work and not extra work, or that the order complained of is proper, he/she shall again direct the Contractor to continue the disputed work and the Contractor must promptly comply. The Contractor's right to pursue a dispute under this Section for extra compensation or damages will not be affected in any way by the Contractor's complying with the directions of the Department or Engineer to proceed with the work, provided the Contractor continues to keep and furnish the Engineer with Force Account Reports as specified in Extra Force Account Work, Dispute Compensation and Record Keeping, Part (C), Force Account Reports.

If the Department, or its designated representative, determines that such work is extra work and not contract work, or that the order complained of is not proper, then the Department or his/her designated representative shall have prepared, if necessary, an order on contract covering such work as soon as is practical after the determination is made. Payment will be made for such work via agreed price or force account pursuant to Extra Force Account Work, Dispute Compensation and Record Keeping, Part (B), New Item Charges. The Department, or its designee, will notify the Contractor in writing of the date upon which the Department has approved the order on contract. Performance of work until receipt of the order on contract by the Contractor shall be considered disputed work. The Contractor must progress the work of the contract, including the work covered by any such order on contract, as directed by the Engineer. Adjustments to contract items, or adjustments to the time of performance, or the addition of new items to the contract necessitated by such determination may be made up until the time the final agreement is submitted for payment to the Department, provided that all the requirements of Extra Force Account Work, Dispute Compensation and Record Keeping are complied with. In addition, documented, additional, actual and reasonable costs incurred by the Contractor pursuant to following a written order to perform work (that was subsequently contained in an order on contract which was disapproved) will be considered as reimbursable.

This work will be considered disputed work for which the Contractor will be compensated. Eligibility for compensation shall cease upon notification of the order on contract's disapproval. Failure by the Contractor to promptly notify, in writing, the Engineer and the Department of its contentions relative to any dispute or to maintain and furnish force account reports for disputed work shall constitute a waiver of the disputed work claim.

D. AUDITING OF RECORDS. The Contractor who has filed a dispute must have the following records available for audit at any time following the filing of such dispute, whether or not such dispute is part of a suit pending in the courts of this State. If a dispute is filed on behalf of a subcontractor or supplier, such subcontractor or supplier must also have substantially the following records available for audit any time following the filing of such dispute, whether or not such dispute is part of a suit pending in the courts of this State. The audit may be performed by employees of the Department or by an independent auditor appointed by the Department. The audit may begin on ten days' notice to the Contractor, subcontractor, or supplier as is appropriate. The Contractor, subcontractor, or supplier shall cooperate with the auditors. The Department will maintain the audit, its backup, reports, schedules and conclusions as confidential material. Failure of the Contractor, subcontractor, or supplier to maintain and retain sufficient records shall constitute a waiver of that portion of such dispute that cannot be verified and shall bar recovery thereunder.

Without limiting the generality of the foregoing, the auditors shall have available to them and the Contractor agrees to provide access to substantially the following documents:

- 1. Daily time sheets, job superintendent diaries or log sheets and foreman's daily reports.
- 2. Union agreements and reports, if any.
- 3. Insurance policies, welfare and benefits records or plans for union and non-union personnel.
- 4. Payroll register.
- 5. Individual employee earnings records.
- Payroll tax returns.
- 7. Material invoices, purchase orders, and all material and supply acquisition contracts.
- Material cost distribution work sheet.
- 9. Equipment records (list of company equipment, rates, depreciation schedules, daily equipment reports or logs, fueling logs or records, equipment lease purchase agreements, and equipment purchase invoices).
- 10. Vendor rental agreements, subcontractor invoices, agreements and back charge records.
- 11. Subcontractor payment certificates.
- Canceled checks (payroll and vendors).

- 13. Job cost ledger or report.
- 14. Job payroll ledger, petty cash journal and supporting vouchers.
- 15. General ledger, general journal (if used), and all subsidiary ledgers and journals together with all supporting documentation pertinent to entries made in these ledgers and journals.
- 16. Cash receipts, cash disbursements journal, and purchase journal.
- 17. Audited and unaudited financial statements for all years reflecting the operation on this project.
- 18. Depreciation records on all company equipment whether such records are maintained by the company involved, its accountant, or others.
- 19. If a source other than depreciation records is used to develop costs for the Contractor's internal purposes in establishing the actual cost of owning and operating equipment, all such other source documents.
- 20. All documents which reflect the Contractor's actual overhead during the years this Project was being performed.
- 21. All documents related to the preparation of the Contractor's bid including the final calculations on which the bid was based.
- 22. All documents which relate to each and every dispute together with all documents which support the amount of damages as to each dispute.
- 23. Work sheets used to prepare the dispute establishing the cost components for items of the dispute including, but not limited to, labor, benefits, insurance, materials, equipment, subcontractors, and all documents which establish the time periods, individuals involved, the hours and the rates for the individuals.

In the event the Contractor fails to substantially furnish the above required reports and accounting records, such failure shall constitute a waiver of the dispute for payment other than for payment at contract unit prices for the work performed.

E. CONTRACTOR'S RESPONSIBILITY FOR WORK. The Contractor is responsible for carrying out the provisions of the contract at all times, regardless of whether an authorized inspector is present or not. Any work or item that is, at any time, found to be out of specification or not in compliance with the plans shall remain the responsibility of the Contractor and shall be subject to such corrective measures that are approved in writing by the Engineer.

#### EXTRA FORCE ACCOUNT WORK, DISPUTE COMPENSATION AND RECORD KEEPING

(A) CONTRACT ITEM CHARGES. When an order-on-contract provides for similar items of work or materials which increase or decrease the itemized quantity provided for in the primary contract, the price to be paid therefor shall not exceed the unit bid price in the primary contract for such items.

#### (B) NEW ITEM CHARGES.

1. Agreed Prices. Agreed prices for new items of work or materials may be incorporated in the order-on-contract as the Department may deem them to be just and fair and beneficial to the Department. These prices must be supported by a complete price analysis in the order-on-contract or, by reference to average bid prices for similar type and quantity of work from other recent contracts. The price analysis will be based on an estimated breakdown of charges listed in the following paragraph 2. "Force Account Charges," unless some other basis is approved by the Department.

#### 2. Force Account Charges

- 3. Contractor Charges. Where there are no applicable unit prices for extra work ordered and agreed prices cannot be readily established or substantiated, the Contractor shall be paid the actual and reasonable cost of the following:
  - (1) Necessary Materials (including transportation to the site.) Materials is defined to include all products incorporated in the temporary or permanent work. The following items consumed in progressing the work are also considered to be materials for which reimbursement with an allowance for profit and overhead will be made. These are oxygen, acetylene, propane, welding rods, grinding wheels, and saw blades. Separate reimbursement will not be made for all other products which may be consumed in progressing the work and reimbursement for these items is considered to be included in the reimbursement for overhead. Material used, if acquired by direct purchase, must be documented by bills or acceptable invoices. All prices on used material incorporated in either temporary or permanent work shall be billed at a fair value, less than the original cost when new. A reasonable salvage credit shall be given for substantial salvageable material recovered. Salvage value of substantial material recovered shall be determined by the Engineer-in-Charge in coordination with the Contractor.
  - (2) Necessary labor costs including supplemental benefit payments. Each class of labor shall be billed separately at actual payroll rates. Average rates based on different classes of labor will not be accepted.
  - (3) Necessary payroll taxes and insurance payments and other such reasonable charges that are paid by the Contractor pursuant to existing written agreements with its employees and/or labor organizations.
  - (4) Sales taxes, if any, required to be paid on materials not permanently incorporated into the work under the order-on-contract.
  - (5) Equipment, truck and plant rentals, other than small tools. The Contractor shall be reimbursed for the number of hours that the equipment truck or plant is actually used on a specified force account job. Equipment used

by the Contractor shall be specifically described by the manufacturer, model number and date of manufacture and be of suitable size and suitable capacity required for the work to be performed. In the event the Contractor elects to use equipment of a higher rental rate than the equipment suitable for the work, payment will be made at the rate applicable to the suitable equipment. The equipment actually used and the suitable equipment upon which the rental rate is based will be recorded as a part of the record for force account work. The Engineer shall determine the suitability of the equipment. If there is a differential in the rate of pay of the operator of oversize or higher rate equipment, the rate paid for the operator will likewise be related to the suitable equipment.

- (a) Contractor Owned Equipment, Trucks and Plant -- Contractor shall be reimbursed for its ownership costs and for its operating costs for self owned equipment at the rates listed in the Rental Rate Blue Book published by the Dataquest, Inc. applied in the following manner as modified by the 'Rate Adjustment Table'.
- [1.0] Ownership Costs -- It is mutually understood that the rates for ownership costs reimburse the Contractor for all nonoperating costs of owning the equipment, truck or plant including depreciation on the original purchase, insurance, applicable taxes, interest on investment, storage, overhead, repairs, moving the equipment onto and away from the project or work site, and profit. Reimbursement will be made for the hours of actual use as described below:
- [1.1] Less than 8 hours of actual use, the product of the actual number of hours used or fraction thereof multiplied by the hourly rate, or the daily rate, whichever is less.
- [1.2] Between 8 hours and 40 hours of actual use, the product of the actual number of hours used divided by 8 multiplied by the daily rate, or the weekly rate, whichever is less.
- [1.3] Between 40 and 176 hours of actual use, the product of the actual number of hours used divided by 40 multiplied by the weekly rate, or the monthly rate, whichever is less.
- [1.4] Over 176 hours of actual use, the product of the actual number of hours used divided by 176 multiplied by the monthly rate.
- [2.0] Operating Costs -- the rate for operating costs includes fuel, lubricants, other operating expendables, and preventative and field maintenance. Operating cost does not include the operator's wages. The Contractor shall be reimbursed the product of the number of hours of actual use multiplied by the Estimated Operating Cost/Hour.
- [3.0] The rates used shall be those in effect at the time the force account work is done as reflected in the then current publication of the Rental Rate Blue Book. When force account type analysis are used to establish agreed prices in accordance with Section

- (B)1 above, the rates used shall be those in effect when the agreed price is developed by the Contractor and submitted to the Engineer-in-Charge.
- [4.0] The geographic Area Adjustment Factor shown on the map at the beginning of each section of the Rental Rate Blue Book shall not be applied to the equipment rates subsequently listed in each section, and shall not be used as a basis for payment.
- [5.0] In the event that a rate is not established in the Rental Rate Blue Book for Construction Equipment for a particular piece of equipment, truck or plant, the Owner shall establish rates for ownership costs and operating costs for that piece of equipment, truck or plant that is consistent with its cost and expected life.
- (b) Rented Equipment, Trucks and Plant --
- [1.0] In the event that the Contractor does not own a specific type of equipment and must obtain it by rental, it shall be paid the actual rental rate for the equipment for the time that the equipment is used to accomplish the work or is required by the Engineer-in-Charge to be present, not to exceed the adjusted rental rate in the Rental Rate Blue Book, plus the reasonable cost of moving the equipment onto and away from the project site.
- [2.0] The Contractor shall also be reimbursed for the operating cost of the equipment unless reflected in the rental price. Such operating cost shall be determined in the same manner as specified for Contractor Owned Equipment above.
- [3.0] In the event that area practice dictates the rental of fully manned or fueled and maintained equipment, truck or plants, payment will be made on the basis of an invoice for the rental of the fully manned, fueled and/or maintained equipment, trucks or plants including all costs incidental to its use, including costs of moving to and from the site, provided the rate is substantiated by area practice.
- (c) Maximum Amount Payable -- The maximum amount of reimbursement for the ownership costs of Contractor owned or the rental cost of rented equipment, trucks or plant is limited to the original purchase price of the equipment, truck or plant for any force account work as listed in the Green Guide for Construction Equipment published by the Dataquest, Inc. In the specific event when the ownership or rental reimbursement is limited by the original purchase price, the Contractor shall, nevertheless, be reimbursed for the Operating Cost/Hour for each hour of actual use.
- (6) Profit and Overhead. Profit and overhead cost shall be computed at 20 percent of the following:
  - (a) Total Direct Labor Cost (actual hours worked multiplied by the basic hourly wage rate) plus supplemental benefits payments, payroll

taxes, insurance payments and other labor related fringe benefits payments, payroll taxes, insurance payments and other related fringe benefit payments as defined in (2) and (3) above, but not including the overtime additive payments. Profit and overhead shall not be paid on the premium portion of overtime.

- (b) Total Cost of Materials as defined in (1) above including the cost of transportation to the project site.
- (7) Overhead shall be defined to include the following:
  - (a) Premium on bond;
  - (b) Premium on insurance required by the owner other than Workers Compensation Insurance, premium on public liability and property damage insurance, unemployment insurance, Federal old-age benefits, other payroll taxes and such reasonable charges that are paid by the Contractor pursuant to written agreement with its employee;
  - (c) All salary and expenses of executive officers, supervising officers or supervising employees;
  - (d) All clerical or stenographic employees;
  - (e) All charges for minor equipment such as small tools, including shovels, picks, axes, saws, bars, sledges, lanterns, jacks, cables, pails, wrenches, etc, and other miscellaneous supplies and services;
  - (f) All drafting room accessories such as paper, tracing cloth, reproduction costs, etc.
- (8) Subcontractor Charges. When the work is performed by a subcontractor, the Contractor shall be paid the actual and reasonable cost of such subcontracted work as outlined above in items (1) through (5) under 3, Contractor Charges, but profit and overhead shall be figured at (25%) unless some other basis is approved by the Owner.
- (9) Service Charges. When work is performed by, or a fee is paid to, a service provider, the contractor shall be paid the actual cost of the service fee plus a maximum five percent (5%) for contract supervision, overhead and profit. This 5% shall be applied once to the service fee regardless of who makes direct payments to the service provider.
- (C) FORCE ACCOUNT REPORT. Payment for force account work will be made on the basis of the following reports.
  - 1. The Contractor will deliver to the Engineer-in-Charge a daily summary of FORCE ACCOUNT WORK done on the contract. This summary on 8-1/2" x 11" paper will be delivered to the Engineer-in-Charge not later than closing time on the day following that for which the work is reported.

The summary shall contain:

- A list of materials used indicating the amount and nature of each material. The cost (if known) should also be included. This must be documented later by proper receipts.
- b. A list of equipment used indicating the number of hours used and the kind, type, and size of equipment.
- c. A list of personnel by name, including the hours worked, and labor classification at which they were used on the force account work and the location by station or station of the work proposed.
- d. A statement of the work accomplished by force account for that day.
- e. This summary will be dated and signed by the Contractor's authorized representative and the Engineer-in-Charge.
- f. The contract number and other identification as well as the name of the Contractor shall appear on the statement.
- g. The Engineer-in-Charge will make any notations, remarks or comments on this form that may assist in final payments.
- 2. Within 5 calendar days after the end of each pay period, the Contractor shall deliver to the Engineer-in-Charge a FORCE ACCOUNT SUMMARY OF LABOR used on the work which shall include the name, hourly rate of pay, hours worked, fringe benefits, and/or other items as shown on the actual payroll.
- 3. On completion of the specific force account work, the Contractor shall within 10 calendar days, deliver to the Engineer-in-Charge a Force Account Summation wherein all materials, equipment, and labor charges are shown and totaled together with such other expenditures as are concerned with the force account item. This summation shall be dated and signed by the Contractor's authorized representative and the Engineer-in-Charge.
- 4. In the event the contractor fails to deliver the required force account documentation to the EIC within the time period specified in subsection (C), of these General specifications, and as a result the Order-on-Contract for the force account work is not fully approved at the date of final acceptance, the number of calendar days of the time period between final acceptance and the issuance of this force account Order-on-Contract, attributable to the Contractor's late force account submissions will extend the required payment data by an equal period of time.
- (D) TIME RELATED DISPUTE COMPENSATION.
  - 1. As limited by Differing Site Conditions, Suspensions of Work, Significant Changes in the Character of the Work Provisions, the following elements of damage, and only the following elements, will be recoverable by the Contractor as "time related dispute damages" provided that they are actual and reasonable:
    - a. Documented additional or escalated job site labor expenses;
    - b. Documented additional or escalated costs for materials;

- c. Documented additional or escalated equipment costs less appropriate credits, as such are determined in accordance with this Section;
- d. Documented costs of extended job-site overhead (field costs, including field supervision); job-site overhead would include job superintendent, office engineer and clerical staff, but would not include working foremen;
- e. An additional 10 percent of the total of items a, b, c and d for home office overhead and 10% for profit thereon except for the differing site conditions or significant change in character of the work clauses (Differing Site Conditions, Suspensions of Work, Significant Changes in the Character of the Work Provisions, Part A (1) and (3)) apply, no anticipated profits shall be allowed and where the suspension of work clause (Part A (2)) applies, no profit or anticipated profits shall be allowed;
- f. Documented additional or escalated insurance and bond costs;
- g. When the work is performed by a subcontractor, the Contractor shall be paid the actual and reasonable cost of such subcontracted work as outlined above in paragraphs 1(a) through 1(d) and the Contractor's main office overhead and profit shall be figured at 15% and 10% respectively, except for where the differing site conditions or significant change in character of the work clauses (Part A (1) and (3)) apply, no anticipated profits shall be allowed and where the suspension of work clause (Part A (2)) applies, no profit or anticipated profits shall be allowed;
- h. The phrase "additional expenses" shall include expenses above or below those normally incurred in the performance of the work, less any appropriate credit. The phrase "escalation expenses" shall include unanticipated higher or lower costs and expenses attributable, with appropriate credits, to the performance of work or portions of work in a different time period than that which was indicated on the Owner approved progress schedule.
- 2. Equipment, truck or plant rentals, other than small tools:
  - a. Equipment used by the Contractor shall be specifically described by the manufacturer, model number and date of manufacture and be of suitable size and capacity required for the work to be performed. In the event the Contractor elects to use equipment of a higher cost than the equipment suitable for the work, payment will be made at the actual cost rate applicable to the suitable equipment unless otherwise provided for in this section. The Engineer shall determine the suitability of equipment.

For purposes of computing Contractor's self-owned equipment, truck or plant costs, the rate used shall be based on the rate listed in the Rental Rate Blue Book published by Dataquest, Inc., with the appropriate adjustments noted in this specification, Part (B) (2).

- b. In the event that a rate is not established in the Rental Rate Blue Book for Construction Equipment for a particular piece of equipment, truck or plant, the Owner shall establish a rate for ownership costs and operating costs for that piece of equipment, truck or plant that is consistent with its cost and expected life.
- c. The Contractor shall be reimbursed for its operating costs for self-owned equipment based on actual cost data. Operating costs shall include fuel, lubricants, other operating expendables and preventive and field maintenance. Operating costs do not include the operator's wages. In the event, after documented and demonstrated due diligence, actual operating costs are not ascertainable, then the Contractor will be compensated utilizing not more than 50% of the operating costs set forth in the "Rental Rate Blue Book" and the Contractor shall be reimbursed the product of the number of hours of actual use multiplied by the operating cost per hour.
- d. The rate for idle equipment and stand-by equipment, shall be based upon the rate of depreciation specified in the Contractor's books and records, or 50% of the rate set forth in the "Rental Rate Blue Book," published by Dataquest, Inc. with the appropriate adjustments noted in this specification, whichever is greater. In the event the equipment is fully depreciated, the Department will pay the actual ownership costs based upon Department audit of the Contractor's books and records.
- e. The maximum amount of reimbursement for the ownership costs of Contractor owned or the rental cost of rented equipment, trucks or plant is limited to the original purchase price of the equipment, truck or plant as listed in the Green Guide for Construction Equipment published by the Dataquest, Inc. In the specific event when the ownership or rental reimbursement is limited by the original purchase price, the Contractor shall, nevertheless, be reimbursed for the operating cost per hour for each hour of actual use.
- f. For purposes of rented equipment, the provisions of this specification, Part (B), New Item Charges, are controlling.
- 3. The parties agree that, in any dispute for time related damages, the Department will have no liability for the following items and the Contractor further agrees it shall make no claim for the following items:
  - a. Profit, in excess of that provided in this specification, Part (D) (1)(e) and (g);
  - b. Loss of anticipated or unanticipated profit;
  - c. Labor inefficiencies and loss of productivity;
  - d. Home office overhead in excess of that provided in this specification, Part (D) (1)(e) and (g);
  - e. Consequential damages, including but not limited to interest on monies in dispute, including interest which is paid on such monies, loss of

- bonding capacity, bidding opportunities, or interest on retainage or investment, or any resultant insolvency;
- f. Indirect costs or expenses of any nature;
- g. Direct or indirect costs attributable to performance of work where the Contractor, because of situations or conditions within its control, has not progressed in a manner satisfactory to the Engineer.
- h. Attorneys fees, or claims preparation expenses.
- 4. REMEDIES EXCLUSIVE: With respect to time related dispute compensation provisions, the parties agree that the Department shall have no liability to the Contractor for expenses, costs, or items of damage other than those which are specifically identified as payable under this specification, Part (D). In the event any legal action is instituted against the Department by the Contractor on account of any such dispute for additional compensation, whether on account of time related dispute, delay, acceleration, breach of contract, or otherwise, the Contractor agrees that the Department's liability will be limited to those items which are specifically identified as compensable under this specification, Part (D). The Contractor further agrees to make no claim for expenses other than those which are specifically identified as compensable under this specification, Part (D). Nothing in this Section is intended to create any liability of the Department not existing at common law or pursuant to the terms of this contract or to prevent the Contractor from filing a claim in a court of law.
- (E) REQUIRED CONTENT OF DISPUTE SUBMISSION. All disputes must be submitted in writing to the Engineer, and must be in sufficient detail to enable the Engineer to ascertain the basis and the amount of each dispute. If requested and as a minimum, the following information must be provided when such information is ascertainable by the Contractor:
- TIME RELATED DISPUTE SUBMISSIONS.
  - a. A description of the operations that were delayed, the reasons for the delay, how they were delayed, including the report of all scheduling experts or other consultants, if any.
  - b. An as-built chart, "Critical Path Method" scheme or other diagram or chart depicting in graphic form how the operations were or are presumed to be adversely affected.
  - c. The date on which actions resulting in the dispute occurred or conditions resulting in the dispute became evident.
  - d. A copy of the notice of dispute required as per Dispute Resolution and Disputed Work Provisions, Part A(3) for the specific dispute by the Contractor.
  - e. To the extent known, the name, function, and activity of each Department official, or employee or agent, involved in, or knowledgeable about facts that gave rise to such dispute.
  - f. The name, function, and activity of each Contractor or subcontractor official, or employee, involved in, or knowledgeable about facts that gave rise to such dispute.

- g. The identification of any pertinent documents, and the substance of any material oral communication relating to such dispute.
- h. A statement as to whether the additional compensation or extension of time if requested is based on the provisions of the contract or is an alleged breach of contract.
- I. The amount of additional compensation sought and a breakdown of that amount into the categories specified as payable under this specification, Part (D) above.
- j. If an extension of time is also requested, the specific days for which it is sought and the basis for such request as determined by an analysis of the construction progress schedule.

#### 2. FOR OTHER DISPUTES INCLUDING ACCELERATION DISPUTES.

- a. A detailed factual statement of the dispute providing all necessary dates, locations and items of work affected by the dispute.
- b. The date on which actions resulting in the dispute occurred or conditions resulting in the dispute became evident.
- c. A copy of the "notice of dispute" required for the specific dispute by the contract pursuant to Dispute Resolution and Disputed Work Provisions, Parts B or C.
- d. The name, function, and activity of each Department official or employee or agent involved in, or knowledgeable about facts that gave rise to such dispute.
- e. The name, function and activity of each Contractor or subcontractor official, employee or agent involved in or knowledgeable about facts that gave rise to such dispute.
- f. The specific provisions of the contract which support the dispute and a statement of the reasons why such provisions support the dispute.
- g. The identification of any pertinent documents and the substance of any material oral communications relating to such dispute.
- h. A statement as to whether the additional compensation or extension of time requested is based on the provisions of the contract or an alleged breach of contract.
- If an extension of time is also requested, the specific days for which it is sought and the basis for such request as determined by an analysis of the construction schedule.
- j. The amount of additional compensation sought and a breakdown of that amount shall conform to the requirements of this specification, Part (B) except for acceleration disputes which shall conform to the requirements and categories specified in Part (D) above.

- (F) REQUIRED CERTIFICATION OF DISPUTES. When submitting any dispute over \$50,000, the Contractor must certify in writing, under oath and in accordance with the formalities required by the contract, as to the following:
- 1. That supportive data is accurate and complete to the Contractor's best knowledge and belief;
- 2. That the amount of the dispute and the dispute itself accurately reflects what the Contractor in good faith believes to be the Department's liability;
- 3. If the Contractor is an individual, the certification shall be executed by that individual. If the Contractor is not an individual, the certification shall be executed by:
  - (1) Senior company official in charge at the Contractor's plant or location involved;

or

- (2) An officer or general partner of the Contractor having overall responsibility for the conduct of the Contractor's affairs.
- (G) CONTRACTOR'S COST RECORDS. The Contractor shall maintain records of all required payrolls, and of the details that comprise its total cost pursuant to any and all records maintained pursuant to Dispute Resolution and Disputed Work Provisions and Extra Force Account Work, Dispute Compensation and Recordkeeping, and it shall, at any time within six years following the date of final payment of the project, make such records available, upon request therefor, to the Department for review and audit, if deemed necessary by the Department. In case all or a part of such records are not made so available, the Contractor understands and agrees that any items not supported by reason of such unavailability of the records shall be disallowed, or if payment therefor has already been made, the Contractor shall, upon demand in writing by the Department, refund to the Department the amount so disallowed.

### DIFFERING SITE CONDITIONS, SUSPENSIONS OF WORK, SIGNIFICANT CHANGES IN THE CHARACTER OF THE WORK PROVISIONS.

#### The following provisions shall apply to this contract:

#### A.(1) Differing site conditions.

- (i) During the progress of the work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the contract, are encountered at the site, the party discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before the site is disturbed and before the affected work is performed.
- (ii) Upon written notification, the Engineer will investigate the conditions and if it is determined that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the contract, an adjustment, excluding anticipated profits, will be made and the contract modified in writing accordingly. The Engineer will notify the Contractor of the determination whether or not an adjustment of the contract is warranted.
- (iii) No contract adjustment which results in a benefit to the Contractor will be allowed unless the Contractor has provided the required written notice.
- (iv) The aforesaid differing site condition clause (Part A.(1)) shall be governed by the notice provisions set forth above, and the recordkeeping and other requirements of Dispute Resolution and Disputed Work Provisions, and additional compensation via order on contract(s), if any, shall be made pursuant to Extra Force Account Work, Dispute Compensation and Recordkeeping, Part (B), New Item Charges, 1 (Agreed Prices) or 2 (Force Account Charges) and (E), Required Content of Dispute Submission (2) and (F), Required Certification of Dispute. However, the equipment compensation provisions shall be governed and controlled by the provisions of Part (D) (2).
- (2) Suspensions of Work ordered by the Engineer.
  - (I) If the performance of all or any portion of the work is suspended or delayed by the Engineer in writing for an unreasonable period of time (not originally anticipated, customary, or inherent to the construction industry) and the Contractor believes that additional compensation and/or contract time is due as a result of such suspension or delay, the Contractor shall submit to the Engineer in writing a request for adjustment within 7 calendar days of receipt of the notice to resume work. The request shall set forth the reasons and support for such adjustment. The record keeping requirements of Section 10.02 must be complied with in connection with any requests for reimbursement.
  - (ii) Upon receipt, the Engineer will evaluate the Contractor's request. If the Engineer agrees that the cost and/or time required for the performance of the contract has increased as a result of such suspension and the suspension was caused by conditions beyond the control of and not the fault of the Contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, the Engineer will make an adjustment (excluding profit) and modify the

- contract in writing accordingly. The Contractor will be notified of the Engineer's determination whether or not an adjustment of the contract is warranted.
- (iii) No contract adjustment will be allowed unless the Contractor has submitted the request for adjustment within the time prescribed.
- (iv) No contract adjustment will be allowed under this clause to the extent that performance would have been suspended or delayed by any other cause, or for which an adjustment is provided for or excluded under any other term or condition of this contract.
- (v) The aforesaid suspension of work clause (Part A.(2)) shall be governed by the notice provisions set forth above, and the recordkeeping and other requirements of Dispute Resolution and Disputed Work Provisions, and additional compensation via order on contract(s), if any, shall be made pursuant to Extra Force Account Work, Dispute Compensation and Recordkeeping, Part (D), Time Related Dispute Compensation, (E), Required Content of Dispute Submission and (F), Required Certification of Disputes.
- (3) Significant changes in the character of work.
  - (i) The Engineer reserves the right to make, in writing, at any time during the work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the contract nor release the surety, and the Contractor agrees to perform the work as altered.
  - (ii) If the alterations or changes in quantities significantly change the character of the work under the contract, whether such alterations or changes are in themselves significant changes to the character of the work, or by affecting other work, cause such other work to become significantly different in character, an adjustment excluding anticipated profit, will be made to the contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against the Contractor in such amount as the Engineer may determine to be fair and equitable.
  - (iii) If the alterations or changes in quantities do not significantly change the character of the work to be performed under the contract, the altered work will be paid for as provided elsewhere in the contract.
  - (iv) The term "significant change" shall be construed to apply only to the following circumstances:
    - (A) When the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or
    - (B) When a major item of work, as defined elsewhere in the contract, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity. Any allowance for an increase in quantity shall apply only to that portion in excess of 125 percent of original contract item quantity, or in case of a decrease below 75 percent, to the actual amount of work performed.

- (C) The term "major item" of work shall mean any item for which the original bid price multiplied by the original contract quantity exceeds \$50,000 or 2% of the total contract bid price, whichever is less.
- (D) Certain items of work may be "fixed quantity" items. That is, payment will be restricted to the quantity stated in the Estimate of Quantities. If, during the progress of the work the stated quantity is determined to be in error, the terms of Dispute Resolution and Disputed Work Provisions, Part (3)(iv)(B) shall apply with the following alterations:
  - 1. The major item of work requirement shall not apply.
  - 2. Significant change shall be defined as an actual quantity in excess of 125 percent of the stated quantity, or less than 75 percent of the stated quantity.
- (v) The aforesaid significant change in character of work clause (Part (A)(3)) shall be governed by the notice, recordkeeping and other requirements of Dispute Resolution and Disputed Work Provisions, and additional compensation via order on contract(s) shall be made for time related costs, if any, pursuant to Extra Force Account Work, Dispute Compensation and Recordkeeping, Parts (D) and (E) and (F) and for increased costs, if any, pursuant to Part (B), New Item Charges, 1 (Agreed Price) or 2 (Force Account Charges) and (E)2, Required Content of Dispute Submission and (F), Required Certification of Dispute, but, the equipment compensation shall be governed and controlled by the provisions of Part (D)2.
- (vi) With respect to the aforesaid significant changes in the character of work clause (this specification, Part (A)(3)), the contractor or the Department, as the case may be, must make written notification to the other party of the existence of the 'significant change'. This notice shall be given in a timely manner with respect to the date that either party had, or should have had, knowledge of an event, matter, occurrence of work order which results in a significant change in the work. If the affected work is in progress, notice shall be given within 3 days of knowledge of the change. If the affected work is not in progress, notice shall be given within 10 days of knowledge of the change. The timely issuance of a notice of 'significant change' shall be a necessary requirement for consideration of contract alterations as provided in this section.

#### (4) Definitions.

- (a) "Commissioner" and "Engineer" are defined in Article 2 of the Agreement.
- (b) See Paragraph 1 (i) above Subsurface or latent physical conditions "differing materially" from those "originally encountered" and "generally recognized" are defined as conditions at the site materially differing from any shown on the contract plans or indicated in the specifications, or such conditions as could not reasonably have been anticipated by the Contractor and were not anticipated by the City, which conditions will materially affect the cost of the work to be done under the contract.
- (c) See paragraph 1 (ii) above "written notification" is defined as written notice sent by the Contractor by Registered Mail addressed to the Commissioner, Department of Design and Construction, City of New York, 30-30 Thomson Avenue, Long Island City, NY 11101.

- (d) See paragraph 2 (i) above -
  - 1. "Unreasonably period of time" is defined as a period of time not anticipated in the Contract Documents and beyond the control of the Contractor.
  - 2. "Not originally anticipated" is defined as it relates to delay in completing the work caused solely by the acts or omissions of The City, its officers, agents or employees; or the acts or omissions of other contractors on this project; or supervening conditions entirely beyond the control of either the Contractor or the City (such as but not limited to: Acts of God, the public enemy, excessive inclement weather, war or other national emergency making performance temporarily impossible or illegal, or strikes or labor disputes not brought about by any act or omission of the Contractor).
- (e) See paragraphs 3 (ii) and 3 (iii) above "significantly change the character of the work" is defined as it relates to alterations or changes in quantities in a manner which materially affected the substances of the contract, or increase the price to be paid by more than ten percent (10%) of the price bid on a lump sum contract; ten percent (10%) of the total bid cost, determined by summating the products of each of the Engineer's estimated quantities and their respective unit bid price on a unit price contract; and determined by multiplying the Engineer's Estimate of Total cost by the Contractor's bid percentage on a Percentage-Bid Contract.
- (f) See paragraph 3 (iv) (B) above "major item of work" is defined as any scheduled item for which the original bid with the bidding quantities exceed 2% of the total contract bid price.
- B. If the Department determines that as a result of the aforesaid differing site condition, suspension of work clauses and significant change in the character of work clauses, that an adjustment in the contract price is warranted, the Department shall first attempt to arrive at an agreed price with the contract. If unsuccessful, the Department may make such adjustments to the contract as is determined to be fair and equitable utilizing Owner estimates. Commencing with the issuance of notice, and through the date of agreement between the Department and the contractor, all work subject to these provisions shall be treated as Disputed Work, with daily recordkeeping in accordance with the provisions of Dispute Resolution and Disputed Work Provisions.
- C. If any of the notice or other provisions of this specification, Part A are in conflict with any other of the provisions of the Standard Specifications, then the provisions of this specification, Part (A) shall prevail and take precedence and be of force over and against any said conflicting provision of said contract.
- D. Solely for purposes of the aforesaid specification, Parts A(1),(2) and (3), and solely for purposes of disputes as to records pursuant to Dispute Resolution and Disputed Work Provisions, Part (A)(4), the Engineer shall be the Engineer-in-Charge.

## CONTRACTOR INITIATED VALUE ENGINEERING CHANGE PROPOSAL (CIVEC)

#### A. <u>Purpose and Scope</u>

The term "proposal" as used in this Subsection is construed to mean a Contractor Initiated Value Engineering Change (CIVEC) Proposal submitted by the Contractor for changing the Plans, Specifications, or other requirements of the Contract. The Value Engineering Change Proposal shall conform with the following:

It is the intent of this provision to share with the Contractor any cost savings which may be generated on this Contract as the result of CIVEC proposals offered by the Contractor and approved by the Department. The purpose is to encourage the use of the Contractor's ingenuity and experience in arriving at a lower cost alternative with any time-saving construction methods other than those reflected in the Contract Documents, by the sharing of savings resulting therefrom. The proposals contemplated are those that could produce a savings to the Department, without, in the sole judgment of the Deputy Chief Engineer, impairing the essential functions and characteristics of the Project or a portion of the Work involved. They include, but are not limited to: safety, service, life, stage construction, economy of operation, ease of maintenance and desired appearance.

#### B. Submittal of CIVEC Proposal

The Contractor may submit a CIVEC only after Award of the Contract. The CIVEC may be accepted within 30 (thirty) days after Award of Contract and should be approved by the New York State Department of Transportation.

#### B-1. Submittal of Initial CIVEC Proposal

An initial proposal is required for all CIVEC proposals and shall outline the general technical concepts associated with the proposal and the estimated savings which will result. The initial proposal will be reviewed by the Department and, if found to be conceptually acceptable, approval to submit a Final Proposal will be granted by the Department. A finding of "conceptual acceptability" of the initial proposal however, in no way obligates the Department to approve the final proposal. Further, the Contractor shall have no claim against the City as a result of the rejection of any such initial or final proposal.

#### **B-2.** Submittal of Final CIVEC Proposal

At a minimum, the following materials and information shall be submitted with each CIVEC proposal, plus any additional information requested by the Department.

- A statement that the CIVEC is submitted as the "Final Value Engineering Change Proposal," as per Department approval of the Initial CIVEC Proposal.
- b) A description of the difference between the existing contract requirements and the proposed change, and the comparative advantages of each, including considerations of service life, economy of operation, ease of maintenance, desired appearance and safety.
- c) Complete plans and specifications showing the proposed revisions relative to the original contract features and requirements.
- d) A complete cost analysis indicating the Final Estimate costs and quantities to be replaced by the CIVEC proposal, the new costs and quantities generated by the CIVEC proposal, and the cost effects of the proposed changes on operational, maintenance and other considerations.
- e) Pursuant to Article 25 of the Agreement, Value Engineering Change Proposals are considered Change Orders, therefore, a statement of the time, by which adopting of the proposal must be executed so as to obtain the maximum benefit during the remainder of the Contract, is required. The date must be selected to allow the Department ample time for review and processing of the Change Order, but without affecting the Contractor's schedule. Should the Department find that insufficient time is available for review and processing, it may reject the CIVEC proposal solely on such basis. If the Department fails to respond by the date specified, the Contractor shall consider the CIVEC proposal rejected unless otherwise notified in writing by the Department; and shall in any event have no claims against the City as a result thereof.
- f) A statement as to the effect the CIVEC proposal will have on the time for completion of the contract.
- g) A description of any previous use or testing of the CIVEC proposal on another Department project, indicate the date, contract number and the action taken by the Department.

#### C. Conditions

CIVEC proposals will not be considered in determining the lowest responsible bidder. CIVEC proposals will only be considered after award, and only when all of the following conditions are met:

- 1. The Contractor is cautioned not to base any bid prices on the anticipated approval of the CIVEC proposal and to recognize that such proposal may be rejected and that the Contractor will thus, be required to complete the Contract in accordance with the plans and specifications bid.
- 2. All CIVEC proposals, whether or not approved by the Department for use in this contract, apply only to the on-going Contract or Contracts referenced in the CIVEC proposal and become the property of the Department without restriction as may otherwise be imposed by the Contractor, on their use and disclosure. The Department shall have the right to use, duplicate and disclose in whole or in part any data necessary for the utilization of the proposal. The Department retains the right to utilize any accepted CIVEC proposal or part thereof, on any subsequent project without any obligation to the Contractor submitting the same.
- If the Department already has under consideration certain revisions to the Contract or has approved certain changes in specifications or standards for general use which are then subsequently incorporated in a CIVEC proposal submitted by the Contractor, the Department shall reject the Contractor's proposal and proceed with such revisions if it so desires without any obligation to the Contractor.
- 4. The Contractor shall have no claim against the City for any costs or delays incidental to the Department's rejection or approval of a CIVEC proposal, including but not limited to development costs, anticipated profits, or increased material and labor costs resulting from delays in the review of such CIVEC proposal.
- 5. The Department shall be the sole judge as to whether a CIVEC proposal qualifies for consideration and evaluation. It may reject, at will, any CIVEC proposal that requires excessive time or costs for review, evaluation and/or investigations, or which is not consistent with the Department's design policies and basic design criteria for the project; as well as, for any other reason the Department deems appropriate, without explanation.

- 6. The Engineer may reject all or any portion of the work performed pursuant to an approved CIVEC proposal if it is believed that unsatisfactory results are being obtained. The Engineer may direct the removal of such rejected work and require the Contractor to proceed in accordance with the original Contract requirements without reimbursement for any work performed under the CIVEC proposal, or for its removal. Where modifications to the CIVEC are approved in order to adjust to field or other conditions, reimbursement will be limited to the total amount payable for the work at the Contract bid prices as if it were constructed in accordance with the original Contract requirements. Such rejection or limitation of reimbursement shall not constitute the basis of any claim against the City for delay or for any other costs.
- 7. The CIVEC proposal shall not be experimental in nature but shall have been proven to the Department's satisfaction under similar or acceptable conditions on another Department project or at another location acceptable to the Department.
- 8. CIVEC Proposals shall be considered only if equivalent options are not already provided in the Contract documents.
- The savings generated by the CIVEC proposal must be of sufficient significance, in the sole judgment of the Department, to warrant review and processing.
- 10. A CIVEC proposal changing the types and or thickness of the pavement structure will not be considered.
- 11. If additional information is deemed necessary by the Engineer to evaluate the CIVEC proposal, this information must be provided in a timely manner to allow sufficient time for review. Failure to do so will result in rejection of the CIVEC proposal. Such additional information should include but not be limited to design changes, field investigation and survey results, design computations, and field change sheets.
- 12. No changes to the work shall be considered as CIVEC eligible, if they are the result of design errors or omissions which would have needed correction notwithstanding any CIVEC provision in the specification; even if the need for such correction is first brought to the Engineer's attention by the Contractor.

#### D. Payment

If the CIVEC proposal is accepted by the Department, the changes and payments will be made in accordance with the applicable sections of the Procurement Policy Board (PPB) Rules and this contract. Reimbursement to the Contractor shall be made as follows:

- 1. The changes will be incorporated into the original Contract proposal as submitted by the Contractor via changes in the quantity of unit bid items, changes in the amounts of lump sum items and new agreed priced items, as appropriate.
- 2. The cost of the revised work as determined from the aforementioned changes in quantities, or new items will be paid directly. In addition to such payment, the Department will pay to the Contractor, via a separate item, 50 percent of the savings to the Department as reflected by the difference between the above payment and the cost of the related construction required by the original Contract plans and specifications computed at Contract bid prices.
- 3. The Contractor's costs for development, design and implementation of the CIVEC proposal are not eligible for reimbursement.
- 4. The Contractor may submit CIVEC proposals on behalf of an approved subcontract, provided that reimbursement is made by the Department to the Contractor and that the terms of the pass through to the subcontractor are satisfactorily negotiated and accepted by the Contractor and Subcontractor before the CIVEC proposal is submitted to the Department. Subcontractors may not otherwise submit a CIVEC proposal, except through the prime Contractor.

## NO TEXT

#### **ITEMIZED PROPOSAL**

#### To the State Department of Transportation:

In submitting this bid the undersigned declares to be the only person or persons interested in the said bid; that it is made without any connection with any person making another bid for the same contract; that the bid is in all respects fair and without collusion, fraud or mental reservation; and that no official of the State, or any person in the employ of the State is directly or indirectly interested in said bid or in the supplies or work to which it relates, or in any portion of the profits thereof.

The undersigned also hereby declares to have carefully examined the plans, specifications and form of contract, and to have personally inspected the actual location of the work together with the local sources of supply, to be satisfied as to all the quantities and conditions, and understands that in signing this proposal waives all right to plead any misunderstanding regarding the same.

The undersigned further understands and agrees to furnish and provide for the respective item price bid all the necessary material, machinery, implements, tools, labor services and other items of whatever nature, and to do and perform all the work necessary under the aforesaid conditions, to complete the improvement of the aforementioned project in accordance with the plans and specifications for said improvement, which plans and specifications it is agreed are a part of this proposal, and to accept in full compensation therefore the amount of the summation of the products of the approximate quantities multiplied by the unit prices bid. This summation will hereinafter be referred to as the gross sum bid.

The undersigned further agrees to accept the aforesaid unit bid prices as compensations for any additions or deductions caused by variation in quantities due to more accurate measurement, and for use in the computation of the value of the work performed for monthly estimates.

The undersigned further agrees that at any time during the progress of work the State adds, alters or omits portions of the work it shall so perform such work and accept compensation in accordance with the Standard Specifications.

The undersigned further understands and agrees not to start any work until the contract agreement is signed by the Commissioner or the Commissioner's duly authorized representative. In case the undersigned voluntarily undertakes to start work, other than that expressly prohibited in this Subsection, after the contract agreement is signed by the Commissioner but prior to approval by the State Comptroller, the undersigned does so entirely at its own risk and without obligation or responsibility on the part of the State unless and until the awarded contract becomes effective pursuant to Section 112 of the State Finance Law by approval of the State Comptroller and filing in the Office of the State Comptroller; and hereby agrees and warrants that, as a prerequisite to the start of any such voluntary work, accepts, assumes and undertakes all of the provisions of this proposal and of the plans and specifications of the proposed contract, including all of the provisions and responsibilities thereof relative to (1) damage, indemnification and holding the State harmless as set forth in said contract documents, and (2) actually furnishing in advance of any contract operations, the required insurance policies of each and every kind and amount as called for in said contract documents, particularly with relation to workers compensation and liability insurance policies as set forth in the related specifications; and also agrees and warrants that all of such policies will be in force and effect on the date of the start of any such contract operations, whether or not the contract documents have been executed and filed as aforesaid. In no event shall the undersigned start any contract work which involves a disturbance of the contract site prior to execution of the contract by the Comptroller.

#### UNITED STATES DEPARTMENT OF TRANSPORTATION HOTLINE

Persons with knowledge of bid collusion (i.e. contractors, suppliers, workpersons, etc.), or other questionable contract related practices (inadequate materials, poor workmanship, theft of materials, etc.), are encouraged to report such activities by calling the **U.S. D.O.T. HOTLINE.** The **HOTLINE** number is 1-800-424-9071 and calls will be answered from 8:00 A.M. to 5:00 P.M. EST, Monday through Friday.

This HOTLINE is under the direction of the U.S.D.O.T.'s Inspector General. All information will be treated confidentially and the caller's anonymity will be respected.

#### **NEW YORK STATE INSPECTOR GENERAL HOTLINE**

Reports of New York State Governmental Misconduct may be made in strict confidence to the New York State Inspector General on the Toll Free Statewide HOTLINE or by writing to the Office of the Inspector General. The Toll Free Statewide HOTLINE telephone number is 1-800-367-4448 and calls will be answered between 8:00 A.M. and 4:30 P.M., Monday through Friday. The address of the Office of the State Inspector General is the State Capital, Executive Chamber, Albany, New York 12224.

PROMPT PAYMENTS BY THE CONTRACTOR. In accordance with Section 139-f(2) of the State Finance Law, the Contractor shall pay each Subcontractor and materialman for the value of work performed pursuant to contract no later than seven (7) calendar days from the receipt of each payment the Contractor receives from NYC Department of Design and Construction (NYCDDC). Payment by the Contractor to Subcontractors or materialmen shall reflect the quantities or percentage of work completed by the Subcontractor or materials furnished by the materialmen, and paid by NYCDDC; and such payment shall be based upon the actual conditions of the subcontract or purchase order. The Contractor shall not hold any retainage, but may deduct an amount necessary to satisfy any claims, liens or judgments against a Subcontractor or materialman which have not been fully discharged.

The Contractor shall maintain an accounting system acceptable to the NYCDDC to track payments made by the City to the Contractor and payments made by the Contractor to each Subcontractor, Manufacturer, Fabricator or Material Supplier by item and by date.

#### CIVIL RIGHTS MONITORING AND REPORTING.

## SEE SECTION 105-21 OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS

The Contractor shall use the current version of NYS Department of Transportation approved Construction Civil Rights Reporting Software (EBO) which is available at the following website:

#### https://ebo.dot.ny.gov

The software is free. Prime contractors, vendors (subcontractors, suppliers, etc.), and agency compliance staff will have access to the software. The prime contractor shall be required to print reports from EBO for submission to the Resident Engineer each month, not later than the 15th of the following month. Data shall be current through the end of the last full payroll week for that month, or as otherwise approved by the Engineer to coordinate with contract payment submittals.

### APPENDIX 2 IRAN DIVESTMENT ACT

As a result of the Iran Divestment Act of 2012 (Act), Chapter 1 of the 2012 Laws of New York, a new provision has been added to the State Finance Law (SFL), § 165-a, effective April 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list (prohibited entities list) of "persons" who are engaged in "investment activities in Iran" (both are defined terms in the law). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act's effective date, at which time it will be posted on the OGS website.

By entering into this Contract, Contractor (or any assignee) certifies that once the prohibited entities list is posted on the OGS website, it will not utilize on such Contract any subcontractor that is identified on the prohibited entities list. Additionally, Contractor agrees that after the list is posted on the OGS website, should it seek to renew or extend the Contract, it will be required to certify at the time the Contract is renewed or extended that it is not included on the prohibited entities list. Contractor also agrees that any proposed Assignee of the Contract will be required to certify that it is not on the prohibited entities list before the New York State Department of Transportation (NYSDOT) may approve a request for Assignment of Contract

During the term of the Contract, should NYSDOT receive information that a person is in violation of the above-referenced certification, NYSDOT will offer the person an opportunity to respond. If the person fails to demonstrate that it has ceased its engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then NYSDOT shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages, or declaring the Contractor in default.

NYSDOT reserves the right to reject any request for assignment for an entity that appears on the prohibited entities list prior to the award of a contract, and to pursue a responsibility review with respect to any entity that is awarded a contract and appears on the prohibited entities list after contract award.

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#### ATTACH TO CONTRACT DOCUMENTS

# THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION INFRASTRUCTURE DIVISION BUREAU OF DESIGN

**PROJECT ID: HWXP136A** 

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

BOROUGH OF THE BRONX CITY OF NEW YORK

Together With All Work Incidental Thereto

BOROUGH OF THE BRONX CITY OF NEW YORK

**ADDENDUM NO. 3** 

**DATED: March 23, 2009** 

This Addendum is issued for the purpose of amending the requirements of the Contract Documents and is hereby made part of said Contract Documents to the same extent as if it was originally included therein.

GAS COST SHARING (EP-7) STANDARD SPECIFICATIONS

### EP-7 GAS COST SHARING STANDARD SPECIFICATIONS

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SECTION 6.03.1a	-	Removal Of Abandoned Gas Facilities With Possible Coal Tar Wrap. All Sizes.
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SECTION 6.04	-	Adjust Hardware To Grade Using Spacer Rings/Adaptors. (Street Repaving.)
SECTION 6.05		Adjust Hardware To Grade By Resetting. (Road Reconstruction.)
SECTION 6.06		Consider the diage by nesetting. (Hoad neconstruction.)
		Special Care Excavation And Backfilling.
SECTION 6.07	-	Test Pits For Gas Facilities.

#### IV - STANDARD SKETCHES; GAS COST SHARING WORK

- NO. 1 Support Requirements For Gas Mains And Services Crossing Excavation Greater Than 4'0" Wide At Any Angle
- NO. 1A Support Requirements For Gas Mains Over 16" Diameter Up To And Including 48" Diameter Crossing Excavation At Any Angle
- NO. 2 Typical Methods Of Measurement For Gas Crossings
- NO. 3 Utility Crossings During Catch Basin Chute Connection Pipe Installation
- NO. 4 Utility Crossings During Catch Basin Chute Connection Pipe Installation (Extra Depth)
- NO. 5 Gas Main Encroachment On And/Or Parallel To Excavation Of Unsheeted Trench

#### V - PRELIMINARY GAS WORK TO BE PERFORMED BY FACILITY OPERATOR

#### VI - LISTING OF APPROXIMATE LOCATIONS OF EP-7 BID ITEMS QUANTITIES

#### I - NOTICE TO ALL BIDDERS; GAS COST SHARING WORK

All prospective bidders are hereby advised that, pursuant to the "Gas Facility Cost Allocation Act", ("the Act"), the City of New York has entered into an agreement ("the Agreement") with the gas companies (Con Edison or National Grid (formerly KeySpan Energy Delivery)) operating in their respective areas of the City to "share" the cost of facility relocation and/or support and protection of facilities disturbed by proposed water and/or sewer and related City work specified in this contract. Therefore, bid items, specifications and estimated quantities for the incremental costs of support and protection of certain gas facilities have been included in this contract. The low bid for this contract shall be determined by examining each bid for all work to be performed under this contract including any work of support and protection of gas facilities to be performed. The Contractor shall not seek additional compensation from gas companies except as specifically set forth in its contract.

#### II - GENERAL PROVISIONS; GAS COST SHARING WORK

#### 1. General:

The Contractor shall perform City work with interferences from existing live and abandoned gas facilities. This shall be defined as utility work. Therefore, this contract include bid items, specifications and estimated quantities designed to fully compensate him/her for the incremental costs of supporting, protecting, provide accommodations and, avoid disturbing gas facilities located in the streets shown on the contract drawings. In the event that any other provisions of this contract related to gas facilities (or private utilities) conflict with these provisions, these provisions shall supersede and govern all work related to gas facilities owned by the companies operating in the project area. All utility work, as defined in these specifications, including changes and additions thereto shall be paid solely by the City except when specified otherwise in this contract. Contractor hereby agrees that the facility operator shall not be liable to pay him/her for any work performed including extra utility work. Contractor agrees that its bid prices include all compensation for loss of productivity and efficiency, idle time, delays (including any delays occasioned by negotiation of a contract change), change in operations, mobilization, demobilization, remobilization, added cost or expense, lost of profit, other damages or impact costs that may be suffered by or because of utility work, or the presence of gas facilities in the proximity of City work and that it will not seek additional compensation for these items. All disputes shall be resolved as specified in the contract.

Pursuant to the Act, Agreement, and the New York City Administrative Code, the gas company(ies) has been directed by the Commissioner and is required to perform all maintenance, repairs, replacement, shifting, alteration, relocation, and/or removal work that are not part of this contract. By having bid on this contract, the Contractor understands and agrees that the Commissioner has preasserted any right the City has to require, including the issuance of any directives or so called "order outs" under the New York City Administrative Code, any or all gas companies to maintain, repair, replace, protect, support, shift, alter, relocate, and/or remove all gas facilities that are about to be disturbed by the City contract work. The issuance of additional such directives during the performance of the contract work, where necessary in the sole judgment of the Commissioner, shall be initiated by such Commissioner as set forth in the relevant sections of the Act and Agreement. Contractor further agrees to insert such requirements as set forth herein above into any contracts with its approved subcontractors so that its subcontractors also understand and agree to such contract requirements.

#### 2. Gas Interferences And Accommodations:

During the performance of sewer and water main work funded by the New York City Department of Environmental Protection (NYCDEP), as instructed by the Engineer, the use of any applicable contract bid item is allowed in order to resolve and accommodate all gas facilities interferences with such City work, including the removal of contaminated soil in associated trench excavation. This is in addition to the specified EP-7 bid items in the contract. Payment for such accommodation shall be funded by EP-7 bid item "UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS" (F.S. Fixed Sum). The value of such accommodation shall be computed by multiplying the appropriate unit prices bid to the quantity of work performed, as determined by the Engineer, and applying the total amount thus to be paid

to EP-7 bid item "<u>UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS</u>". When EP-7 bid item "<u>UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS</u>" does not exist, such additional accommodation work shall be at no cost to the City but shall be a matter of adjustment between gas facility operator and Contractor. Private facilities, other than gas, that become in interference due to gas interferences accommodations shall also be accommodated, if so directed by the Resident Engineer, at no additional cost to the City and, provided that its owner agrees to be responsible for all additional costs to Contractor, otherwise, such facility shall be ordered by the City to be maintained, shifted, relocated or replaced by its owner at his/her expenses.

#### 2a. Water Main Accommodations:

When water main construction is to be performed in this contract, Contractor shall be required, if warranted by field conditions, and at locations designated by the Resident or Borough Engineer, to change the vertical or horizontal alignment of water mains including but not limited to all additional labor, material, work method accommodations, furnishing, delivering and laying offset fittings and pipes, etc., necessary in order to complete water main installation and, avoid gas interferences in the project area, including street intersections. Typical work method accommodations shall include, but not be limited to, pier and plate, installation of filter fabric and select fill, etc. Such work shall be performed as directed by the Engineer and in accordance with contract specifications and latest edition of water mains standards and specifications.

#### **2b.Sewer Accommodations:**

When sewer construction is to be performed in this contract, Contractor shall be required, if warranted by field conditions, and at locations designated by the Resident or Borough Engineer, to change the horizontal alignment of sewer facilities (if possible) including but not limited to all additional labor, material, work method accommodations, furnishing, delivering and construction of additional manholes or modification of manholes/catch basins, extending chute connections, house connections, using alternate materials and methods, poured-in-place structures, etc., necessary in order to complete sewer installation and, avoid gas interferences in the project area, including street intersections. The term sewer facility shall include, but not be limited to, all sewer pipe and appurtenances, manholes, catch basins, catch basin chutes, etc. Such work shall be performed as directed by the Engineer and in accordance with contract specifications and latest edition of sewer standards and specifications.

#### 3. Quantity Overruns, EP-7 Funded Bid Items:

No quantity overrun, in excess of one hundred twenty five (125) percent, shall be permitted for EP-7 funded bid items (gas) included in this contract, except when Resident Engineer determines that such overruns are caused by field modifications to planned City work, or approved construction methods, or contract scope changes. Overruns not paid by City shall be negotiated and paid to Contractor by gas facility operator who then shall be entitled to reimbursement by NYCDEP under established cost sharing procedures.

#### 4. Changes And Extra Work:

This section is not applicable to work defined under "Emergency Reconstruction Contracts" or so-called "Where and When Contracts" since these projects, by definition, inherently encounter unanticipated gas facilities and cannot be pre-engineered. In all other cases, any contract changes proposed for City work shall also cover and include all associated changes to support and protection of gas facilities affected by such changes to City work. In all other cases where the Contractor finds that City work cannot be performed as planned and specified and/or, as approved because of a need to support, protect and/or alleviate interferences from gas facilities that were not listed and/or shown, or incorrectly shown in contract plans and specifications, he shall immediately notify the Resident Engineer and the facility operators' representative of his findings. Resident Engineer shall promptly examine such claims and determine whether or not such work is covered by contract bid items and /or specifications (contract bid items and specifications shall include city contract items as well as EP-7 items). The Resident Engineer shall also examine the claim to determine if the application of EP-7 bid item "UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS" is appropriate to resolve the claim. If upon examination, the Engineer determines that such field conditions were unanticipated (not shown and/or listed, or incorrectly shown in contract documents) and are not covered by bid items and contract specifications, he shall then direct the Contractor and the affected facility operator to negotiate the cost of supporting and

protecting, and/or alleviating the impact on City work caused by such unanticipated gas facilities with each other with the understanding that the performance of City work shall continue during negotiations. If a cost agreement is reached, the Contractor and facility operator shall adjust such costs between themselves at no additional costs to the City contract. If the Contractor and affected facility operator do not reach an agreement concerning the price to be paid for the extra work within five (5) business days of the Engineer's directive to engage into such negotiations and, after considering: public safety and inconvenience, requirements of laws and regulations applicable to private utilities, integrity of all utility systems, including but not limited to sewer and water, gas, electric, telephone and, cable TV facilities, sound engineering practices, cost (long and short term) to all affected parties, and potential City work delays, then the Resident Engineer, depending on nature and severity of interferences with City work, shall either, direct the facility operator to relocate or replace its facilities at its own discretion and cost, reimbursable by NYCDEP under established gas cost sharing procedures or, direct the Contractor to perform the utility work on actual time, material and equipment costs basis pursuant to relevant contract requirements and amendments. Contract bid prices for any applicable items of work involved shall be applied, or converted to an allowance for time and material charges. Changes shall be for affected portions of utility work and, shall be processed with EP-7 funds.

#### 5. Excavation:

All excavators shall notify the NYC/LI One Call Center at 1-800-272-4480 at least two (2) working days, not including the day of the call, but not more than ten (10) working days in advance of the start of any excavation work. The gas company(ies) will mark out its facilities within the project limits and provide Construction Inspector(s) during all excavation work in close proximity (within twelve (12) inches) to gas facilities. The Contractor shall exercise extreme caution when excavating in the vicinity of any gas facilities. Hand excavation shall be performed within twelve (12) inches of gas facilities. The Contractor prior to excavating underneath these facilities shall adequately support all gas facilities. Standard support details for gas facilities have been included in the specifications. Any damage to gas facilities shall be reported immediately to the gas company(ies). The Contractor shall be responsible for all cost associated with repairs made necessary by damages caused by his operations.

#### 6. Backfilling And Street Restoration:

Backfilling operations and street restorations shall be in accordance with contract requirements.

#### 7. Non-Responsive Bids:

Every gas (EP-7) bid item has a suggested "Not less than" value per unit indicated on contract bid sheet. Bids resulting in cost of less than suggested for EP-7 items are hereby prohibited and if submitted shall be considered NON-RESPONSIVE.

#### 8. Minimum Clearances:

Clearance requirements for City work shall govern and supersede any clearance requirement of gas facility operator. Therefore, a minimum of twelve (12) inches clearance between private utilities and City water mains, sewers or related structures to be installed in this contract shall be maintained. When this clearance is not attainable, the Resident Engineer may allow a minimum of four (4) inches clearance. With less than twelve (12) inches clearance a neoprene/polyethylene shield (to be provided by facility operator) shall be installed as part of all work item specifications. However, if Resident Engineer determines that City work cannot be performed within allowable clearance and no reasonable City accommodation (no-cost change to City work) is possible, the City shall direct the facility operator to remove, relocate, shift, or alter their facility(ies) pursuant to the New York City Administrative Code.

#### 9. Work By Facility Operator:

The facility operator may find it necessary to perform the following types of work during performance of City work: accommodating a contractor's request for gas facilities modifications (in order to facilitate City contractor's proposed construction method) or, remedial and emergency work on gas facilities proper with their own resources and materials if an approved method of construction for City work causes unanticipated disturbances to gas facilities or, replacing defective gas facilities when they are exposed by the Contractor and their actual conditions are observable by the facility operator. Also included in the above category of defective gas facilities are: the presence of environmental contaminants attributable to

the gas facility in or around gas facilities. If such work is deemed required by the facility operator or if facility operator is directed by the City to address such deficiencies at any time during the course of construction, the Contractor shall modify the construction schedule at no cost to the City and allow the facility operator five (5) business days to perform such work without interferences. Additional costs to the facility operator (in cases of accommodations) or, Contractor (in cases of defective gas facilities) due to such gas work, if any, shall be the responsibility of the parties involved and not of the City. Such costs shall be a matter of adjustment between the Contractor and the facility operator.

#### 10. Materials Furnished By Facility Operator:

It shall be the Contractor's responsibility to inspect material to be installed by him immediately upon delivery and advise the facility operator through its authorized representative, of all damaged materials. The Contractor at no additional costs to the City or the facility operator shall replace any material that is damaged or lost after the Contractor's inspection.

#### 11. Liability And Insurance:

Notwithstanding the provisions of this contract, the existing division of liabilities to third parties shall remain the same as between the City and the company. Therefore, it is specifically agreed by the City, company and Contractor (by bidding on this contract) that for the purpose of any liabilities to third parties, that the City contractor performing work directly and physically relating to gas company facilities in this project, shall be deemed an agent of the company and not an agent of the City, the New York City Municipal Water Finance Authority, or the New York City Water Board. Contractor shall include the company as an additional insured on all insurance policies maintained to comply with the City's insurance requirements.

#### 12. Width And Depth Of Excavation:

Contractor shall not be authorized to deliberately change trench or excavation widths and/or depth specified without Engineer's approval. Enlargement of any side of excavation up to eighteen (18) inches beyond pay limits (or inside face of sheeting) requested by the Contractor for the installation of certain types of sheeting may be granted. However, such enlargements or those greater than allowable shall not be approved when, in the sole judgment of the City, field conditions allow the water mains and sewer work to be performed within the limits specified and, the sole purpose of such enlargement request is to impact adjacent utilities (public or private) whose support and protection are part of this contract. Any approval shall be given at no additional cost to the City contract, including EP-7 funding, and all costs associated with unauthorized enlargements shall be the sole responsibility of the Contractor.

#### 13. Depth And Crossing Angles Of Gas Facilities:

Where gas facilities are shown (or specified as) crossing proposed alignment of sewers, water mains, catch basins and chute connections or any other proposed excavations at specific angles (as measured off plans or sketches or specified in contract), it shall be understood that actual field measurements may deviate (plus or minus) forty-five (45) degrees from those shown or specified. The cover, or depth from street surface to top of facilities, shall be as shown or specified in contract documents, no deviation is to be assumed. Where gas facilities are not shown on contract documents, but their support and protection are otherwise included in this contract then, all references to facilities crossing at "various angles and depth" in the gas sections shall mean that such facilities are crossing sewer, water, catch basin and, catch basin chute, and other excavations at a ninety (90) degree angle to the proposed sheeting line or side of excavation (for unsheeted trenches) with an allowable deviation of forty-five (45) degrees in any direction, except for catch basin chute excavation where the allowable deviation shall be sixty (60) degrees. Where the cover is not noted or specified, the bottom face of such facilities shall be assumed to be crossing catch basin chutes at a depth of three (3) foot eight (8) inches or less from the street surface. Paragraph No. 2 above shall apply in cases of distribution water main construction. Appropriate bid items and specifications are provided for cases where angle and depth are greater than stated above. This section also applies to work defined in "Emergency Reconstruction Contracts" or so-called "Where and When Contracts". These contracts are not pre-engineered and consequently have no drawings, sketches or determined locations and so, gas facilities encountered will be crossing existing and proposed sewer, water, catch basin/catch basin chutes and all appurtenances at various angles and depths.

#### 14. Maintenance Of Traffic For Gas Work:

All work pertaining to gas bid items and specifications shall be performed within the contract maintenance of traffic plan as specified in the contract document. The bid price for the Maintenance and Protection of Traffic shall cover all work pertaining to gas items. The City shall make compensation for additional maintenance and protection of traffic items in connection with gas item of work only when such additional work is deemed reasonable and necessary by the Resident Engineer and is approved by him prior to its performance.

#### 15. Relocated Gas And Temporary Systems Installation:

In cases where the Contractor is allowed to select the location for temporary construction such as, installation of dewatering headers, wells, well points, etc., he shall not disturb any gas facilities shown on sketches provided in this section. The only exception shall be, if the affected gas company agrees to such relocation and provided that the cost of such relocation is a matter of adjustment between the company and Contractor, and at no cost to the City.

#### 16. Role Of Company Inspector:

In any case in which the City elects to perform some or all support and protection work with its own employees, personnel or contractors, the facility operator shall provide onsite inspectors to approve and certify such support and protection work (exclusive of City accommodations) performed by the City's own employees, personnel, and contractors. Facility operator's inspectors are not authorized to direct City contractor during the performance of contract work. They shall act through the City Resident Engineer and provide him/her required approvals and certifications, prior to preparing partial payments of EP-7 items, in a format and frequency to be prescribed by the appropriate City Head of Construction.

#### 17. Coordination With Gas Company:

The Contractor shall be required to notify the gas company(ies), in writing, at least two (2) weeks prior to the start of final paving in order to allow companies to complete any unfinished gas work located within the area to be paved. Every effort shall be made to maintain gas service with minimum inconvenience to the public.

#### III - TECHNICAL SECTION

### SECTION 6.01 - Trench Crossings; Support And Protection Of Gas Facilities And Services.

#### 1. Description:

Under this section, the Contractor shall provide all labor, materials, equipment, and incidentals required to support and/or protect the integrity of gas mains, services and appurtenances of any sizes, configurations, and operating pressures crossing trench excavations above subgrade for planned construction of sewers and water mains facilities. A gas service shall be defined as a gas pipe of three (3) inches in diameter or less branching from the main to a customer pick up point or property valve box. A gas main may be any size pipe that is part of a distribution or transmission network other than services described above. Crossings shall be defined as gas facilities spanning the width of excavation (one side to the other side). These crossings may be at various angles and depth as shown on "Gas Cost Sharing Work Standard Sketches Nos. 1 and 1A", and as specified in "General Provisions; Gas Cost Sharing Work Paragraph No. 13" and, at the locations shown or listed in contract documents. The gas company operating in the area, (facility operator), owns these facilities. The work shall be performed in accordance with contract specifications, plans, and at the directions of the Resident Engineer in consultation with the authorized representatives of the facility operator.

#### 2. Method Of Construction:

- A. Protection: In general, the gas facilities shall be protected as required by New York State Industrial Code 753. In particular, the Contractor shall use hand excavation methods (pick and shovel or hand held power tools) directly below the pavement base to expose the gas facilities (marked out by facility operators) and to ascertain the clearances and cover of the facilities with respect to the proposed excavation. Upon exposing the affected facilities sufficiently, at the discretion of the Resident Engineer, to ascertain the foregoing, Contractor shall be permitted to proceed with a combination of hand and machine excavation, as appropriate, outside a zone of protection whose limit shall be defined as a perimeter located twelve (12) inches from the outside face of each gas facility crossings (See "Gas Cost Sharing Work Standard Sketch No. 2"). If the facilities are in direct interference with City work, meaning that "Minimum Clearances" described in "General Provisions; Gas Cost Sharing Work Paragraph No. 8" cannot be maintained, and excavation has to be temporarily or permanently abandoned then this particular location shall become a test pit and dealt with as specified in Section 6.07, and "General Provisions; Gas Cost Sharing Work Paragraphs Nos. 2 and 8".
- B. Support: Gas mains or services crossing excavations equal or less than four (4) feet wide are generally self supporting, unless field conditions as determined by the Resident Engineer require otherwise. The support requirements for gas mains and services crossing excavations greater than four (4) feet wide shall be as shown on the attached "Gas Cost Sharing Work Standard Sketch No. 1" and Contractor shall use sheeting methods that permit the maintenance of gas facilities in their existing locations and configurations. Alternate methods equivalent to those shown on the sketch or accommodations by the facility operator proposed by the Contractor in order to facilitate the execution of the specified work shall be allowable, provided that prior approval is obtained by the Contractor from the Engineer and the facility operator. The support and protection of gas facilities crossings shown on plans, drawings, listings or otherwise identified in this contract shall not be circumvented with the issuance of so called "order outs".

#### 3. Method Of Measurement:

The Contractor shall be paid for supporting and/or protecting gas facilities crossing trench excavations under the appropriate bid items covered by this section. The Contractor shall be directly responsible to the facility operator for the total cost of using any alternate method requiring the use of resources owned by the facility operator. Regardless of the method used, the City shall pay the bid price for the appropriate support and/or protect item of work. The average rate charged by the facility operator for alternate support and protection work such as, disconnecting and reconnecting gas services is listed in attached "Schedule GCS-A".

#### 4. Payment Restrictions:

This item shall not be paid for: gas services crossing unsheeted water main trench excavation; abandoned gas main/services identified by facility operator; gas mains/services crossing trench excavations for fire hydrant branch connections pipes, catch basins and/or chutes (sewer drain pipe), house sewer and/or water services; gas facilities encroaching any face of excavation for sewer and/or water construction, all of which are covered under other contract sections. Also this item shall not be paid for new gas mains and services crossing water trenches when trenching for such new facilities has been performed by the Contractor in common with trench excavation for City work (overlapping trench limits). The cost of supporting and protecting such gas facilities crossings shall be deemed included in the cost of trench excavation for the new gas facilities. This payment restriction shall apply even if such common trench gas excavation is not part of the contract. The prices bid for items covered by this section represent full compensation to Contractor to completely perform the work described. No other bid items shall be combined with these items in order to pay for gas main and/or services crossing excavations specified herein.

#### 5. Method Of Payment:

Each (Ea.) gas facility crossing trench excavation as described in these specifications shall be counted for payment.

#### Price To Cover:

The cost of timber/steel supports installed for gas facilities shall be included in the bid price. The bid price for each crossing shall also cover all additional supervision, labor, material (except those provided by the facility operator), equipment and insurance necessary to completely maintain the gas facilities without disruption of service to the customers and in accordance with contract plans, specifications and facility operator standards. The price shall also include: changes of method of operations; sheeting modifications where necessary to accommodate the gas facilities crossings; installation and removal of water pipe under gas facilities (so called "snaking"); extra care during excavation (including hand excavation under existing single and multiple gas facilities); extra backfilling and compaction around, over and under gas facilities; installation and removal of sheeting around gas facilities; associated maintenance and protection of traffic; barricades; and traffic plates that may be required to temporarily close and/or complete the work.

### SECTION 6.02 - Extra Excavation For The Installation Of Catch Basin Sewer Drain Pipes With Gas Interferences.

#### 1. Description:

Under this item, the Contractor shall provide all labor, materials, equipment, insurance, and incidentals for the extra excavation associated with the installation of catch basin sewer drain pipes (chute) under gas facilities of various sizes crossing the trench excavation at various angles and depth at the locations shown in the contract documents and also, for the support and protection of these facilities during associated excavation and backfill operations. The gas company operating in the area, (facility operator), owns these facilities.

#### Method Of Measurement:

The bid price shall be per location (Each) where extra excavation is required when catch basin sewer drain pipes are installed at an upstream invert depth lower than four (4) feet (up to a maximum of six (6) feet) from the proposed pavement grade because the bottom faces of interfering gas mains and appurtenances are located at a depth greater than three (3) foot eight (8) inches from proposed pavement surface (See "Gas Cost Sharing Work Standard Sketch No. 4").

#### 3. Method Of Construction:

Incremental cost responsibility for chute excavation is determined by the first private facility encountered starting from catch basin structure proper and that prevents the installation of the chute connection at an upstream cover less than or equal to three (3) feet or any other minimum cover required to avoid City facilities (e.g. water, sewer, etc.) as directed by the Resident Engineer.

#### 4. Payment Restrictions:

This item shall not apply and related bid item shall not be paid in cases where:

- A. Upstream invert chute is more than six (6) feet deep because of gas facilities.
- B. Chute cannot be installed above existing gas facilities because of interferences with other private facilities that are not otherwise covered under this contract, regardless of upstream invert depth.

The above cases shall be at no cost to the City, but shall be a matter of adjustment between the Contractor and the facility operator(s).

#### 5. Price To Cover:

The bid price shall cover the additional cost of all additional supervision, labor, materials, equipment and insurance, to complete the installation of catch basins and associated sewer connections in accordance with the contract plans and specifications. The price shall include: excavation by hand around and under single and multiple gas facilities; locating, supporting and protecting gas facilities; backfilling and all other items necessary to perform all work incidental thereto including: installation and removal of drain pipe under gas facilities ("snaking"); widening of trenches to facilitate the above work; subsequent additional

backfill and pavement restoration; modifying precast catch basin window to accommodate connection; changing sheeting method and configuration to accommodate gas facility crossings; maintenance and protection of traffic; barricades; and installation of traffic plates that may be required to temporarily close and/or complete the work. The price shall not include removal of ledge rock and/or excavation of boulders in open cut.

## SECTION 6.02.1 - Extra Excavation For The Installation Of Catch Basin Sewer Drain Pipes With Upstream Inverts Greater Than Six (6) Feet.

#### 1. Description:

Under this item, the Contractor shall provide all labor, materials, equipment, insurance and incidentals for the extra excavation of catch basin chutes where the upstream invert is greater than six (6) feet under gas facilities of various sizes crossing the trench excavation at various angles and depth at the locations shown in the contract documents or as determined by field conditions and also, for the support and protection of these facilities during the associated excavation, sheeting and backfilling operations.

#### Method Of Measurement:

The bid price shall be per location (Each) where extra excavation and sheeting is required when the catch basin chute installed at an upstream invert depth lower than six (6) feet from the proposed pavement grade because the bottom faces of the interfering gas mains and appurtenances are located at a greater depth than three foot eight inches from the proposed pavement surface only.

#### 3. Method Of Construction:

Incremental cost responsibility for chute excavation is determined by the first private facility encountered during such excavation when initiated from catch basin structure and that prevents the installation of the chute at an upstream cover less than or equal to three (3) feet or any other cover required to avoid City facilities as directed by the Resident Engineer.

#### 4. Payment Restriction:

This item shall not apply and related bid item shall not be paid in cases where:

Upstream invert chute is less than or equal to six (6) feet deep because of gas facilities. Section 6.02 shall be paid.

#### 5. Price To Cover:

The bid price shall cover the additional cost of all supervision, labor, materials, equipment and insurance to complete the installation of catch basin and associated sewer connections in accordance with the contract plans and specifications. The price shall include: excavation by hand around and under single and multiple gas facilities; locating, supporting and protecting gas facilities incidental thereto; widening of trenches to facilitate the above work; subsequent additional backfilling and pavement restoration; modifying pre-cast basin window to accommodate connection; the installation of catch basin with deeper sumps as specified; additional sheeting and changes in sheeting method and configuration to accommodate gas facility crossings; maintenance and protection of traffic; barricades; and installation of traffic plates that may be required to Temporarily close and/or complete the work.

#### SECTION 6.03 - Removal Of Abandoned Gas Facilities. All Sizes.

#### 1. Description:

Under this section the Contractor shall provide all labor, materials, equipment, insurance and, incidentals required for the removal of abandoned gas mains, services, or appurtenances thereof, located within the street shown on the contract plans, owned by gas company operating in the project area (facility operator), used or to be used for or in connection with or to facilitate the conveying, transportation, distribution or

furnishing of gas (natural or manufactured or mixture of both) for light, heat, or power, but does not include property used solely for or in connection with business of selling, distributing or furnishing of gas in enclosed containers. Such removal shall include only abandoned gas facilities that interfere with (i.e. cause additional work) City work.

#### 2. Determination Of Operating Status Of Gas Facilities:

The Contractor shall notify facility operator, as required by New York State Industrial Code 753. Gas facilities shall not be removed without the approval of the facility operator whose authorized representative shall certify in writing (specific facility or area wide facilities certification) and in a timely manner acceptable to the Resident Engineer that abandoned facilities are free of combustible gas and any other environmental contaminants prior to removal. The Resident Engineer shall rely on facility operator's certification. The facility operator may request the excavation of test pits (See Section 6.07) for this determination ahead of City work and, Contractor shall provide safe access, facilitate and permit facility operator to enter test pit excavations for the purpose of testing gas facilities to be removed by the Contractor. However, facility operator may prefer to make this test during performance of City work, in order to issue the above certification. This shall be permitted provided that it is agreed that additional costs, if any resulting from this choice shall be a matter of adjustment between the Contractor and facility operator only, and at no cost to the City.

#### 3. Restrictions:

The facility operator shall be solely responsible for its contaminated gas facilities, surrounding contaminated soil and their disposal and abatement procedures, unless contract bid items are applicable and provided for such work. In such cases, the quantity removed shall be charged to EP-7 bid item "<u>UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS</u>" at the City bid prices.

#### 4. Method Of Measurement:

Abandoned gas pipeline removal shall be measured for payment per linear foot of pipe and appurtenances removed.

#### 5. Price To Cover:

The price shall cover all additional cost of supervision, labor, materials, equipment, and insurance necessary to complete this work in accordance with the contract plans and specifications, including excavation by hand around and under other City and facility operator owned properties and, where necessary, support and protection of such properties. The price shall also cover breaking, cutting, and/or burning of abandoned gas pipes and their disposal from the site; sealing open ends remaining in the excavation with concrete or caps (caps to be provided by the facility operator) and backfilling of the area where the pipeline has been removed with clean backfill. The price shall also include any required dump charges. This item does not include any type of extra excavation, backfilling, compaction, pavement removal and restoration associated with abandoned gas facilities removal, all of which are covered under Section 6.06.

### SECTION 6.03.1 - Removal Of Abandoned Gas Facilities With Possible Coal Tar Wrap. All Sizes. (For National Grid Work Only)

#### 1. Description:

Under this section the Contractor shall provide all labor, materials, equipment, insurance and, incidentals required for the removal of abandoned gas mains, services or appurtenances thereof, located within the street shown on the contract plans, owned by the gas company operating in the project area (facility operator), used or to be used for or in connection with or to facilitate the conveying, transportation, distribution or furnishing of gas (natural or manufactured or mixture of both) for light, heat, or power, but does not include property used solely for or in connection with business of selling, distributing or furnishing of gas in enclosed containers. Such removal shall include only abandoned gas facilities that interfere with (i.e. cause additional work) City work. These gas facilities may be coated with Coal Tar Wrap and so, may require special handling and disposal methods as specified in National Grid Standard Operating Procedure 12-2, Coal Tar Wrap Handling and 12NYCRR56.

#### 2. Determination Of Operating Status Of Gas Facilities:

The Contractor shall notify facility operator, as required by New York State Industrial Code 753. Gas facilities shall not be removed without the approval of the facility operator whose authorized representative shall certify in writing (specific facility or area wide facilities certification) and in a timely manner acceptable to the Resident Engineer that abandoned facilities are free of combustible gas and any other environmental contaminants prior to removal. The Resident Engineer shall rely on the facility operator's certification. The facility operator may request the excavation of test pits (See Section 6.07) for this determination ahead of City work and, the Contractor shall provide safe access, facilitate and permit facility operator to enter test pit excavations for the purpose of testing gas facilities to be removed by the Contractor. However, the facility operator may prefer to make this test during performance of City work, in order to issue the above certification. This shall be permitted provided that it is agreed that additional costs, if any, resulting from this choice shall be a matter of adjustment between the Contractor and the facility operator only, and at no cost to the City contract. Should such investigation result in the determination that the abandoned gas facilities do not contain Coal Tar Wrap then the removal of said facilities shall be covered under separate item (See Section 6.03).

#### 3. Requirements:

The City Contractor shall excavate abandoned gas facility sufficiently, either in its entirety, or at locations determined by Contractor to allow the removal of Coal Tar Wrap (if present on the abandoned gas facility) and to facilitate the safe extraction of manageable lengths of abandoned pipe without damage to adjacent facilities, utilities or City structures either parallel to or crossing above or below abandoned gas facility. The Contractor is to allow access to the designated cutting points within the Contractor's trench by authorized National Grid personnel who will remove the Coal Tar Wrap as per National Grid procedures. This work by National Grid personnel shall be performed in a timely fashion and shall not unduly impede the Contractor's progress and/or productivity. Upon completion of the coating removal, the Contractor shall be allowed to cut, burn or grind the gas facility and remove the section of abandoned pipe. The Contractor at a site designated by the Contractor shall stockpile the removed pipe. The facility operator will be responsible to provide trucking and disposal services with its own personnel and shall remove the stockpiled pipes during off hours or during such time as agreed to by the Contractor. Since the pipe removed will remain the property of the facility operator and is to be disposed of by the facility operator, the facility operator shall be responsible for any required notifications, filings, dump charges and incidentals associated with the disposal of abandoned gas facilities found to contain Coal Tar Wrap.

#### 4. Method Of Measurement:

Abandoned gas pipeline removal shall be measured for payment per linear foot of pipe and appurtenances removed.

#### 5. Price To Cover:

The price shall cover all additional cost of supervision, labor, materials, equipment and insurance necessary to complete this work in accordance with the contract plans and specifications, including excavation by hand around and under other City and facility operator owned properties and, where necessary, the support and protection of such properties. The cost shall also include hand excavation in the area(s) of proposed abandoned pipe cut(s), cutting and/or burning of abandoned gas pipes and stockpile of removed sections of abandoned pipe and associated maintenance and protection of traffic, blocking and temporary fencing if required. The unit price shall also cover sealing open ends remaining in the excavation with concrete or end caps (end caps to be provided by the facility operator) and backfilling of the area where the abandoned pipeline has been removed with clean backfill material. This item does not include any type of extra excavation, backfilling, compaction, pavement removal and/or restoration (temporary and permanent) associated with abandoned pipe removal ("lost trench"), all of which are covered under separate Section 6.06. The price shall also include allowance for any loss of productivity by the Contractor due to required facility operator work to remove pipe coating and prepare pipe for cutting as well as any change in Contractor's excavation method, additional trucking and/or stockpiling costs.

### SECTION 6.03.1a - Removal Of Abandoned Gas Facilities With Possible Coal Tar Wrap. All Sizes. (For Con Edison Work Only)

#### 1. Description:

Under this section the Contractor shall provide all labor, material, equipment, insurance and, incidentals required to prepare abandoned gas mains, services and appurtenances thereof located within the street shown on contract plans, owned by the gas company operating in the project area (facility operator), for removal due to interference with proposed City work. These abandoned gas facilities were, at one time, used for or in connection with or to facilitate the conveying, transportation, distribution or furnishing of gas (natural, manufactured or a combination of both) for light, heat, or power, but does not include property used solely for or in connection with business of selling, distribution or furnishing of gas in enclosed containers. Such preparation for removal shall include only abandoned gas facilities that interfere with (i.e. cause additional work) City work. These gas facilities may be coated with Coal Tar Wrap which may contain asbestos or PCB's and so, may require special handling and disposal methods as specified in Con Edison - ASBESTOS MANAGEMENT MANUAL, CHAPTER 6 - ASBESTOS WORK PROCEDURES, SECTION 06.04 - COAL TAR WRAP REMOVAL. For under 25' (feet) in length and an approved NYC-DEP variance for over 25' (feet).

#### 2. Determination Of Operating Status Of Gas Facilities:

The Contractor shall notify facility operator, as required by New York State Industrial Code 753. Gas Facilities shall not be removed without the approval of the facility operator whose authorized representative shall certify in writing (specific facility or area wide facilities certification) and in a timely manner acceptable to the Resident Engineer that abandoned facilities are free of combustible gas and any other environmental contaminants prior to removal. The Resident Engineer shall rely on the facility operator's certification. The facility operator may request the excavation of test pits (See Section 6.07) for this determination ahead of City work and Contractor shall provide safe access, facilitate and permit facility operator to enter test pit excavations for the purpose of testing gas facilities. However, the facility operator may prefer to make this test during performance of City work in order to issue the above certification. This shall be permitted provided that it is agreed that additional costs, if any, resulting from this choice shall be a matter of adjustment between the Contractor and the facility operator only, and at no cost the City contract. Should such investigation result in the determination that the abandoned gas facilities do not contain Coal Tar Warp then the removal of said facilities shall be covered under separate item (See Section 6.03).

#### 3. Requirements:

The Contractor shall excavate abandoned gas facility sufficiently, either in it's entirety, of at locations determined by Contractor to allow the removal of Coal Tar Wrap (if present on the abandoned gas facility) and to facilitate the safe extraction of manageable lengths of abandoned pipe without damage to adjacent facilities, utilities or city structures either parallel to or crossing above or below abandoned gas facility. The Contractor is to allow access to the designated cutting points within the Contractors trench by authorized Con Edison personnel who will remove the Coal Tar Wrap as per Con Edison and/or NYC-DEP approved procedures. This access shall conform to all applicable codes, rules & regulations. This work by Con Edison personnel shall be performed in a timely fashion and shall not unduly impede the Contractors progress and/or productivity. Upon completion of the coating removal, the Contractor shall be allowed to cut, burn or grind the gas facility and remove the section of abandoned pipe. Contractor shall designate a specific site to stockpile those removed pipes. The facility operator will be responsible to provide trucking and disposal services with its own personnel and shall remove the stockpiled pipes during off hours or during such time as agreed to by the Contractor. Since the pipe removed will remain the property of the facility operator and is to be disposed of by the facility operator, the facility operator shall be responsible for any required notifications, filings, dump charges and incidentals associated with the disposal of abandoned gas facilities found to contain Coal Tar Wrap.

#### 4. Method Of Measurement:

Abandoned gas facility removal shall be measured for payment per linear foot of pipe and appurtenances removed.

#### 5. Price To Cover:

The price shall cover all additional cost of supervision, labor, materials, equipment and insurance necessary to complete this work in accordance with the plans and specifications, including, but not limited to, excavation by hand around and under other City and facility operator owned properties and, where necessary, the support and protection of such properties. The coast shall also include hand excavation in the area(s) of proposed abandoned pipe cut(s), cutting and/or burning of abandoned gas pipes and stockpile of removed sections of abandoned pipe and associated maintenance of traffic, blocking and temporary fencing if required. The unit price shall also cover sealing open ends remaining in the excavation with concrete or end caps (end caps to be supplied by facility operator) and backfilling of the area where the abandoned pipeline has been removed with clean backfill material. This item does not include any type of extra excavation, backfilling, compaction, pavement removal and/or restoration (temporary and permanent) associated with abandoned pipe removal ("lost trench"), all of which are covered under separate Section 6.06. The price shall also include allowance for any loss of productivity by the Contractor due to required facility operator work to remove pipe coating and prepare pipe for cutting as well as any change in Contractor excavation method, additional trucking and/or stockpiling costs.

## SECTION 6.04 - Adjust Hardware To Grade Using Spacer Rings/Adaptors. (Street Repaving.)

#### 1. Description:

Under this section, the Contractor shall provide all labor, supervision, materials, equipment, insurance and incidentals required to adjust to final grade gas street surface hardware located within the contract area boundaries shown on the plans. The gas company operating in the area, (facility operator), owns these facilities. The work shall be performed in accordance with the contract plans, specifications and at the directions of the Resident Engineer in concurrence with authorized representative of the facility operator.

#### Materials:

The facility operator shall furnish and deliver all prefabricated hardware parts required. These include adaptors for the grade adjustment proper and new street hardware if existing ones are found to be defective, all in accordance with the facility operator standards and City rules and regulations. The Contractor shall notify the facility operator of the installation schedule at least three (3) business days before materials are required on the site. Should the facility operator fail to deliver the necessary material according to any schedule mutually agreed upon by the Contractor and facility operator, the City shall not be responsible for any delays attributable thereto, nor for the failure of delivery of such materials. On project where material storage is not permitted on site, the facility operator shall deliver the required material to the Contractor's yard and it shall be the Contractor's responsibility to transport the material to the work site when needed for installation. It shall also be the Contractor's responsibility to inspect the materials to be installed by him immediately upon delivery and advise the facility operator through its authorized representative, of all damaged materials. The Contractor at no additional expense to the City or the facility operator shall replace any material that is damaged or lost after the Contractor's inspection.

#### 3. Method Of Measurement:

The Contractor shall be paid for each six (6) inch round box and/or nine (9) inch square box adjusted to grade regardless of adjustment height requirements.

#### 4. Price To Cover:

The unit price bid for this item shall include all additional labor, supervision, insurance, equipment and, material (except those to be provided by the facility operator), required to adjust each box to grade as required in the contract plans and specifications. The bid price shall also include the removal of existing frames and covers from existing facilities to be salvaged and returned to the facility operator and, all material transportation from the Contractor's material storage yard to the work site. In addition the bid price shall include "chipping" around existing box using appropriate means and methods where grinding is required.

#### SECTION 6.05 - Adjust Hardware To Grade By Resetting. (Road Reconstruction.)

#### 1. Description:

Under this item, the Contractor shall provide all labor, supervision, materials, equipment, insurance and incidentals required to adjust to the proposed grade gas street surface hardware located within the contract area boundaries shown on the plans. The gas company operating in the area, (facility operator), owns these facilities. The work shall consist of either building up or lowering or resetting the casting by removing the existing frame and cover building up or decreasing the existing installation, replacing the frame and/or cover if damaged or worn out, as determined by the Resident Engineer, with a new frame and/or cover furnished by the owner, and setting the frame and cover to new elevation. The work shall be performed in accordance with the contract plans, specifications and at the directions of the Resident Engineer.

#### 2. Materials:

The facility operator shall furnish and deliver all new hardware parts required. The Contractor shall furnish materials such as mortar, bricks and concrete in compliance with contract requirements. At locations where high-early strength concrete is required under this contract to be placed adjacent to gas facilities, then the requirement for concrete shall be high-early strength complying with the current New York State Department of Transportation, Standard Specifications for Class F concrete. Existing castings may be replaced as required and deemed necessary by the Engineer and by City rules and regulations. The Contractor shall install the new castings of various sizes furnished by the facility operator. The Contractor shall notify the facility operator of the installation schedule at least three (3) business days before materials are required on the site and, shall provide off-loading services to the facility operator. Should the facility operator fail to deliver the necessary material according to any schedule mutually agreed upon by the Contractor and facility operator, the City shall not be responsible for any delays attributable thereto, nor for the failure of delivery of such materials. Such delays shall be a matter of adjustment between the Contractor and the facility operator. On project where material storage is not permitted on site, the facility operator shall deliver the required material to the Contractor's yard and it shall be the Contractor's responsibility to transport the material to the work site when needed for installation. It shall also be the Contractor's responsibility to inspect the materials to be installed by him, immediately upon delivery and advise the facility operator through its authorized representative, of all damaged materials. Contractor at no additional expense to the City or the facility operator shall replace any material that is damaged or lost after the Contractor's inspection.

#### 3. Methods Of Construction:

The Contractor shall remove and reinstall existing castings or install new castings to the proposed grade. Setting and resetting the castings shall be done with mortar and brick according to the standards of the facility operator. Work shall be performed in a workmanlike manner. Castings that are deemed unacceptable for resetting shall remain the property of the facility operator and he shall be responsible for their removal and proper disposal from site. No traffic shall be allowed on adjusted street hardware until permitted by the Engineer.

#### 4. Method Of Measurement:

The Contractor shall be paid for each gas hardware adjusted to grade regardless of size or adjustment height requirements (up or down).

#### 5. Price To Cover:

The unit price bid for this item shall include all additional labor, supervision, insurance, equipment and, material (except those to be provided by the facility operator), required to adjust each gas hardware to grade as required in the contract plans and specifications. The bid price shall also include the removal of existing frames and covers from existing facilities; building up the existing installations with bricks and mortar, or lowering the existing installation by removing bricks and mortar; replacing damaged frames and/or covers with new frames and/or covers furnished by the facility operator; setting the frames and covers to the new elevations; protect existing installations; repair minor structural damages to existing installations prior to resetting frames; unloading of furnished castings at the Contractor's yard and transporting castings from the Contractor's yard to the job site as required; completing the work in

accordance with the contract plans, specifications and, at the directions of the Engineer. In addition the bid price shall include "chipping" around existing gas facilities using appropriate means and methods where grinding is required.

#### SECTION 6.06 - Special Care Excavation And Backfilling.

#### 1. Description:

Under this section, the Contractor shall provide all labor, materials, equipment, insurance and incidentals required to support and protect the integrity of live gas facilities including mains, services, related structures and appurtenances during excavations. The gas company operating in the area, (facility operator), owns these facilities. The work shall be performed in accordance with the contract plans, specifications and at the directions of the Resident Engineer in consultation with authorized representatives of the facility operator.

#### 2. Applicability Of Section:

This section shall apply to live gas facilities of various sizes located within two (2) feet of any face of unsheeted excavation, (unsheeted excavation refers to any excavation performed for city work and includes excavations performed that are to be subsequently sheeted using approved methods) and paralleling or, encroaching any face of excavation. Also, for crossings greater than forty-five (45) degrees and/or located at a cover depth greater than five (5) feet from existing street surface. Parallel facilities are not exposed at any time during excavation (See "Gas Cost Sharing Work Standard Sketch No. 5"). Encroaching facilities are partially exposed inside the limit of excavation (See "Gas Cost Sharing Work Standard Sketch No. 5"). This section shall also apply to gas facilities crossing catch basins excavation, and catch basins sewer connections (chutes) trench excavation only when extra depth (covered in other section), is not required for chutes installations because of such utilities interferences (See "Gas Cost Sharing Work Standard Sketch No. 3"). This section shall also apply to gas services (if shown or otherwise listed in contract documents) crossing unsheeted excavations for water mains, gas facilities crossing fire hydrant branch connections, house sewer and/or water service connections excavations. This section shall also apply for so called "loss trench", as described further, and for additional excavation (pavement and/or soil), backfilling, compaction, roadway base and pavement restoration due to abandoned gas facilities, only if removed by Contractor. If operating status of gas facilities cannot be determined prior to excavation then such facilities shall be considered live and this section shall fully apply. The excavation around fully exposed live gas facilities along and within limits of excavation (not crossings) shall be covered by this section also (not shown on "Gas Cost Sharing Work Standard Sketch No. 5"), however the support requirement, if any is required, of such facilities is beyond the scope of these specifications and therefore shall be the responsibility of facility operator to determine and prescribe, at no cost to the City contract, but shall be a matter of adjustment between the Contractor and facility operator.

#### 3. Payment Restriction:

No special care excavation shall be paid for abandoned gas facilities paralleling and/or encroaching excavation and therefore are not in direct interference with City work. Except as allowed in this section, the bid item specified under this section shall not be used in combination with items covered under other sections for work done due to a particular gas facility. This item shall not be paid for new gas facilities when trenching for such new facilities has been performed by the Contractor of record in common with trench excavation for City Work (overlapping trench limits). The cost of excavating with care as defined in this section shall be deemed included in the cost of trench excavation for the new gas facilities. This restriction shall apply even if such gas common trench excavation is not part of the contract. If facilities are in direct interference with City work, meaning that "Minimum Clearances" described in "General Provisions; Gas Cost Sharing Work Paragraph No. 8" cannot be maintained and excavation has to be temporarily or permanently abandoned then this particular location shall become a test pit and dealt with as specified in Section 6.07 and "General Provisions; Gas Cost Sharing Work Paragraphs Nos. 2 and 8".

#### 4. Method Of Construction:

All excavation in the vicinity of gas facilities shall be as required by NYS Industrial Code 753. Where these facilities are paralleling and located two (2) feet or less from the limits of the proposed excavation, the Contractor shall use hand excavation methods (pick and shovel or hand held power tools) to ascertain

the clearances of these facilities with respect to the proposed excavation. Once the location of these facilities with respect to the proposed excavation is verified to the satisfaction of the Resident Engineer, the Contractor shall then proceed with a combination of hand and machine excavation as required preserving the integrity of the facilities. The installation of timber supports or underpinning, when soil foundation cannot fully support partially exposed pipes, may be required to prevent pipe movement as directed by the Resident Engineer.

#### 5. Method Of Payment:

The unit price for this work item shall be based on cubic yard (CY) of average excavation with care and, is to be considered as an incremental cost for performing City work with gas facilities interferences.

#### Method Of Measurement:

- A. For Paralleling Facilities: Volume calculated as: Depth as measured from existing street surface to the bottom of unsheeted trench excavation allowable by OSHA regulations, multiplied by, the width measured as one (1) foot from the face of excavation toward the center of excavation, multiplied by the length of parallel facility, divided by twenty-seven (27) cubic feet per cubic yard (See "Gas Cost Sharing Work Standard Sketch No. 5"). The gas facility is no longer considered to be in interference once sheeting has been installed, therefore no further compensation for paralleling facilities as described above will be made.
- B. For Encroaching Facilities: Volume calculated as: Depth of trench excavation multiplied by, the width of partially exposed pipe plus one (1) foot, multiplied by the length of facility encroachment, divided by twenty-seven (27) cubic feet per cubic yard (See "Gas Cost Sharing Work Standard Sketch No. 5").
- C. Fully Exposed Gas Facilities: (Not shown on "Gas Cost Sharing Work Standard Sketch No. 5") along and inside trench and/or crossing trench at an angle greater than forty-five (45) degrees and/or a cover depth greater than five (5) feet from the existing street surface. The volume shall be measured as the depth of trench excavation multiplied by the distance measured along the sheeting line between two (2) points of intersections of the gas facilities and the sides of trench excavation, multiplied by the width of trench excavation.
- D. For Additional Excavation And Restoration Due To So Called "Loss Trench", When The Integrity Of Pavement And Soil Above And Around Existing Live Gas Facilities Cannot Be Maintained Due To Its Lack Of Cohesiveness: Volume shall be calculated as: Depth of unsheeted trench excavation multiplied by width measured as distance of facility from closest edge of unsheeted excavation plus, width of facility proper plus, one (1) foot or a maximum width of three (3) feet multiplied by length of facility fully exposed divided by, twenty-seven (27) cubic feet per cubic yard (not shown on "Gas Cost Sharing Work Standard Sketch No. 5").
- E. For Facilities Crossing Excavation For Catch Basins, Or Chutes Installations (When NYCDEP Funded) Or Fire Hydrant Branch Connections, Or Unsheeted Water Main Trench, Or House Sewer And/Or Water Services: Volume calculated as: Depth as defined above multiplied by, the width taken as the outside diameter of pipe or the width of structure plus one (1) foot on either side (two (2) feet), multiplied by, the length of exposed facility crossing the trench, divided by twenty-seven (27) cubic feet per cubic yard (not shown on "Gas Cost Sharing Work Standard Sketch No. 5").

Overlapping volume dimensions measured as described above may occur when multiple facilities are paralleling excavations, encroaching excavations or crossing catch basins and catch basin chute installations. In such cases, all such facilities shall be counted as one limited by the extreme pipes, faces (See "Gas Cost Sharing Work Standard Sketch No. 2"). The volume shall then be calculated as described above.

#### 7. Price To Cover:

The bid price shall also cover all additional supervision, labor, material, equipment and insurance necessary to excavate while protecting and maintaining (excluding supports for fully exposed live gas) gas facilities without disruption of service to the public and in accordance with contract specifications. The price shall also include, changes of sheeting method and excavation width configuration where necessary to accommodate gas facilities in their existing locations; difficulties during the installation of catch basins,

chute connections, hydrant branch, and house sewer and water connections under or over gas facilities; loss of productivity due to slower rate of excavation (special care) during excavation, including the use of such methods as: hand excavation around existing single and multiple facilities, extra excavation and backfilling due to lost trench because of existing and adjacent gas facilities, compaction, removal of sheeting from the facilities, extra roadway base restoration and temporary pavement, associated maintenance and protection of traffic, barricades, and traffic plates that may be required to temporarily close and/or complete the work.

#### SECTION 6.07 - Test Pits For Gas Facilities.

#### 1. Description:

Under this section, the Contractor shall furnish all labor, materials, insurance, equipment and appliances necessary to excavate, sheet and, maintain test pits at locations approved by the Resident Engineer in consultation with the facility operator. Test pits shall be dug in order to ascertain exact locations, cover and invert elevations, clearances, alignment and operating status (live or dead) of existing gas facilities. The Contractor shall inspect jointly with the Resident Engineer and facility operator, gas facilities and other structures uncovered, take all relevant measurements and elevations as directed by the Resident Engineer. Tests to determine operating status of gas facilities shall be performed by facility operator. The pits shall be covered with steel plates during daytime nonworking hours, and uncovered, as required, until the inspection work is completed. Testing of gas facilities may require a maximum of four (4) hours. Then, the pits shall be backfilled with clean fill, and resurfaced with temporary pavement. All traffic shall be maintained and all safety measures as stipulated shall be complied with.

#### 2. Methods Of Construction:

- A. Excavation: Existing pavement to be removed shall be neatly cut along lines of removal with a saw or other approved equipment which leaves a neat straight joint line along the juncture with subsequently replaced pavement. Excavation in the vicinity of utilities and other structures shall be performed using hand tools. Use of hand operated pneumatic and electric jackhammers will be permitted only for breaking pavement and removal of masonry, concrete and boulders, or as otherwise directed by the Resident Engineer. The Contractor shall properly dispose of all materials excavated from test pits away from site. Test pits shall be excavated at locations shown on the contract drawings or as directed by the Resident Engineer. Additional test pits may be required and shall be excavated where required, as ordered by the Resident Engineer. All test pits shall be excavated to a depth and size necessary to locate the existing facilities. Sheeting shall be used when depth of excavation exceeds five (5) feet. The sheeting required shall be furnished and installed in full compliance with the State of New York and Federal Safety Codes requirements and as specified in contract, whichever is more stringent. Care shall be taken that no existing gas facilities or other structures are broken or damaged. All broken or damaged facilities shall be reported immediately to facility operator who shall decide whether such facilities shall be repaired or replaced by company forces or by City contractor and in conformance with "General Provisions; Gas Cost Sharing Work Paragraph No. 9". Contractor shall excavate all material encountered, including large masses of concrete, cemented masonry and boulders, as directed by the Resident Engineer. Any type of excavation protection used, shall satisfy the following:
  - (a) Industrial Code Rule 753.
  - (b) Prevent injury to workers and the public, and avoid damage to existing water, sewer, and gas pipes or other structures, and to pavements and their foundations, through caving or sliding of the banks of the excavation.

Should it become necessary, as determined by the Resident Engineer, to enlarge any test pit in any dimension after sheeting has been placed, the Contractor shall remove portions of the sheeting, as necessary, enlarge the test pits as directed, and replace the sheeting without additional compensation for this work other than for the additional volume of material excavated.

B. Maintenance Of Test Pits: Excavated test pits shall be maintained free of debris and kept dry by the Contractor in order to permit the inspection and measurements and to determine the locations of facilities. In order to accomplish this, Contractor shall, upon completion of excavation and placement of sheeting (if depth greater than five (5) feet), furnish and install adequate steel plates and posting

over the excavated pits and shall temporarily remove all equipment debris and workers, and relocate barricades in order to open the full width of street to traffic during nonworking hours. The Contractor shall then, at no additional cost, relocate such barricades, barrels, cones and other warning devices and remove steel plates, as and when directed by the Resident Engineer to facilitate the inspection of exposed facilities. When work is being performed and the pits are not covered with steel plates, the Contractor shall provide complete and safe access to the test pits as may be required, and he shall provide construction barricades and maintain traffic at all times as shown or as directed by the Resident Engineer. Upon completion of test pit inspection by the Resident Engineer, the pit shall be backfilled by the Contractor as specified in contract, except that backfill material shall conform to contract specifications for such purpose.

C. Pavement And Sidewalk Restoration: After backfilling is completed, the Contractor shall construct a temporary pavement consisting of a minimum of four (4) inches thick asphaltic concrete mixture in roadway areas or a two (2) inches thick asphaltic concrete mixture in sidewalk areas in order to maintain existing pedestrian and vehicular traffic. This temporary pavement shall be maintained until permanent pavement and sidewalk replacement is constructed as specified in contract.

#### 3. Measurements:

The quantity to be measured for payment shall be the number of cubic yards of material removed from within the limits of the pit dimensions as directed by the Resident Engineer. The volume occupied by existing pipes or other structures remaining within the maximum payment lines will not be deducted from the total volume measured except, where the cross sectional area of these facilities exceeds four (4) square feet. As determined by the Resident Engineer, the quantity measured for payment may be proportionate to a fair and reasonable estimate of gas responsibility in the total volume excavated.

#### 4. Price To Cover:

The contract price bid per cubic yard for test pits shall cover all additional costs of labor, material, insurance, equipment, appliances and incidentals required to excavate test pits, including removal and disposal of excavated materials, sheeting, steel plating, backfill, compaction and temporary pavement and sidewalk restoration all in accordance with the specifications and as direction of the Resident Engineer. The price shall also include the cost of providing safe access to the excavation by facility operator for the performance of certain test to determine operating status of gas facilities prior to City work. The price shall also include support and protection of all gas facilities crossing excavation, paralleling and/or encroaching any face of excavation.

## GAS COST SHARING STANDARD SPECIFICATIONS SCHEDULE GCS-A

#### Average rate charged by utility companies to Disconnect and Reconnect Gas Services:

1. National Grid

- \$586.90 per Service/and Visit

2. Con Edison

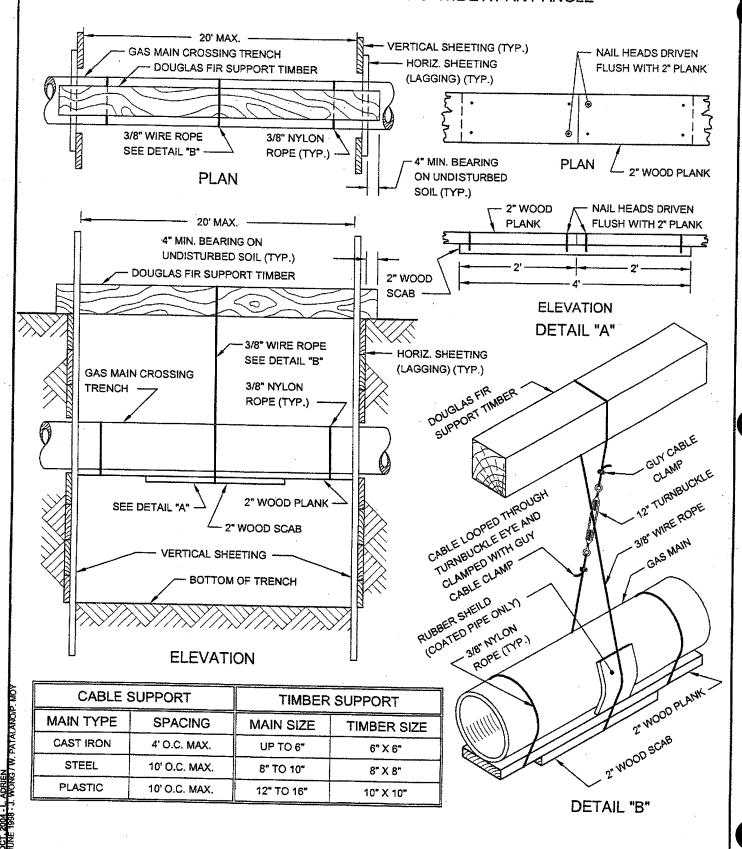
- \$524.00 per Service/and Visit

#### IV - STANDARD SKETCHES; GAS COST SHARING WORK

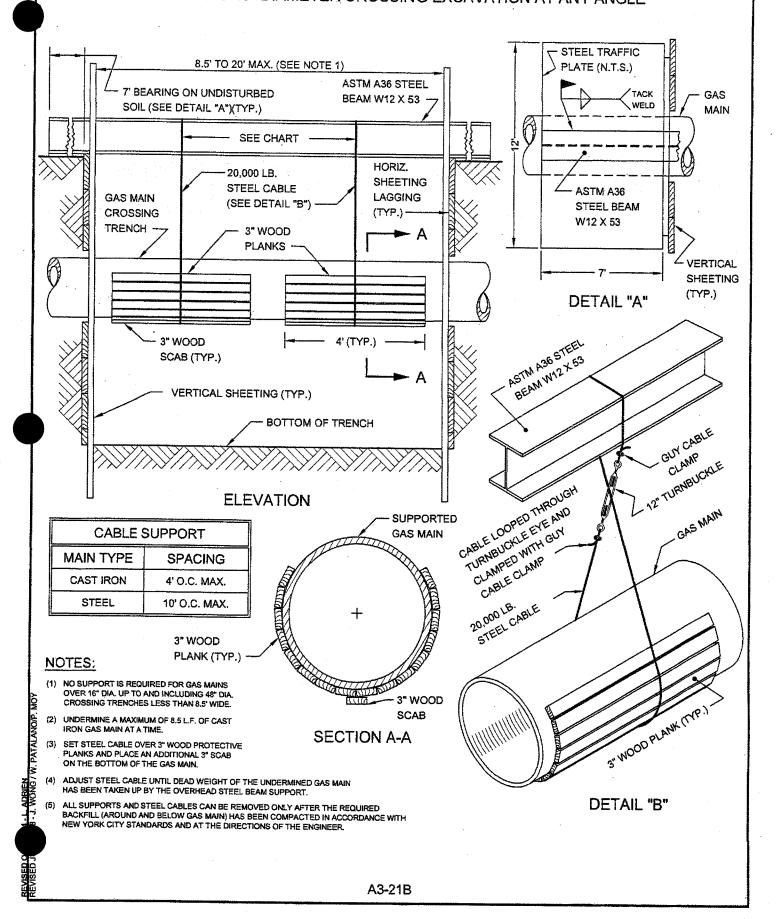
Hereinafter attached are the following Standard Sketches for Gas Cost Sharing Work:

- Sketch No. 1 Support Requirements For Gas Mains And Services Crossing Excavation Greater Than 4' 0" Wide At Any Angle
- Sketch No. 1A Support Requirements For Gas Mains Over 16" Diameter Up To And Including 48" Diameter Crossing Excavation At Any Angle
- Sketch No. 2 Typical Methods Of Measurement For Gas Crossings
- Sketch No. 3 Utility Crossings During Catch Basin Chute Connection Pipe Installation
- Sketch No. 4 Utility Crossings During Catch Basin Chute Connection Pipe Installation (Extra Depth)
- Sketch No. 5 Gas Main Encroachment On And/Or Parallel To Excavation Of Unsheeted Trench

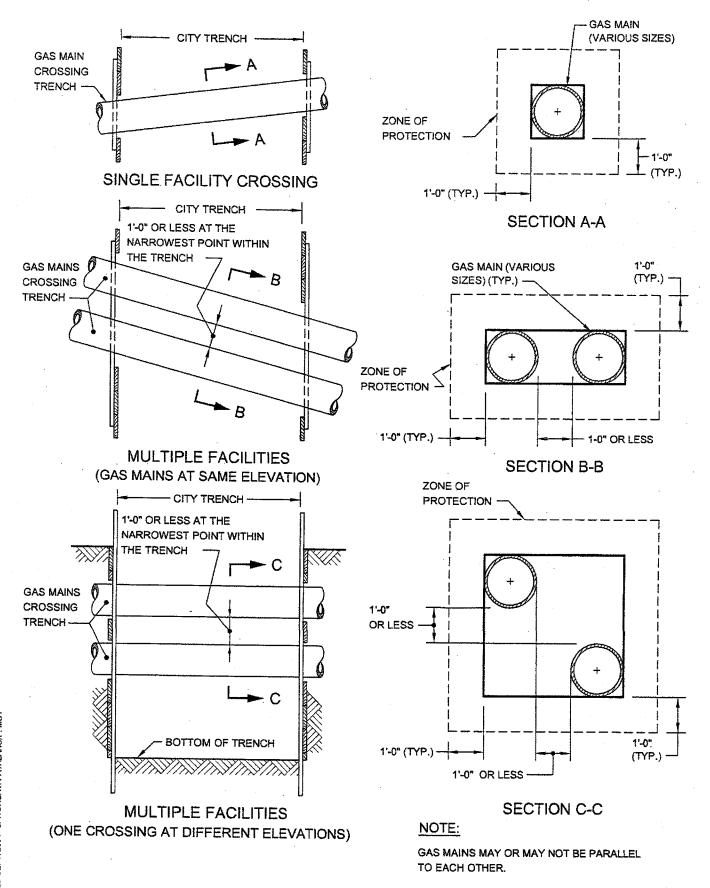
# GAS COST SHARING WORK (SKETCH NO. 1) SUPPORT REQUIREMENTS FOR GAS MAINS AND SERVICES CROSSING EXCAVATION GREATER THAN 4'-0" WIDE AT ANY ANGLE



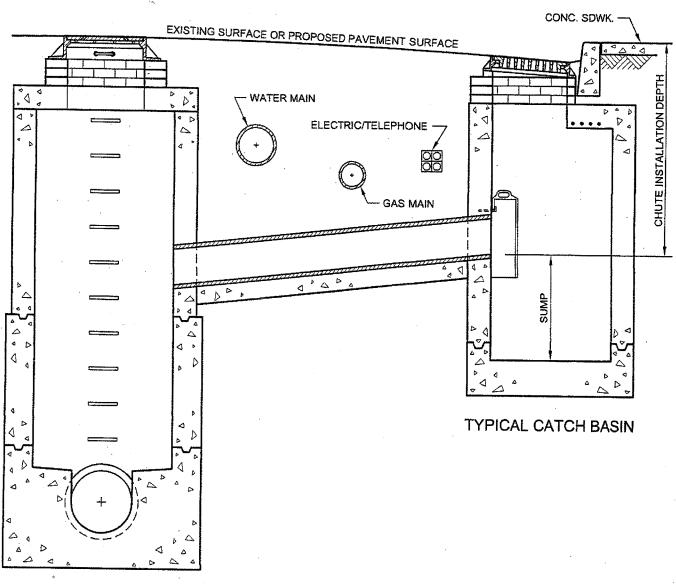
## GAS COST SHARING WORK (SKETCH NO. 1A) SUPPORT REQUIREMENTS FOR GAS MAINS OVER 16" DIAMETER UP TO AND INCLUDING 48" DIAMETER CROSSING EXCAVATION AT ANY ANGLE



## GAS COST SHARING WORK (SKETCH NO. 2) TYPICAL METHODS OF MEASUREMENT FOR GAS CROSSINGS

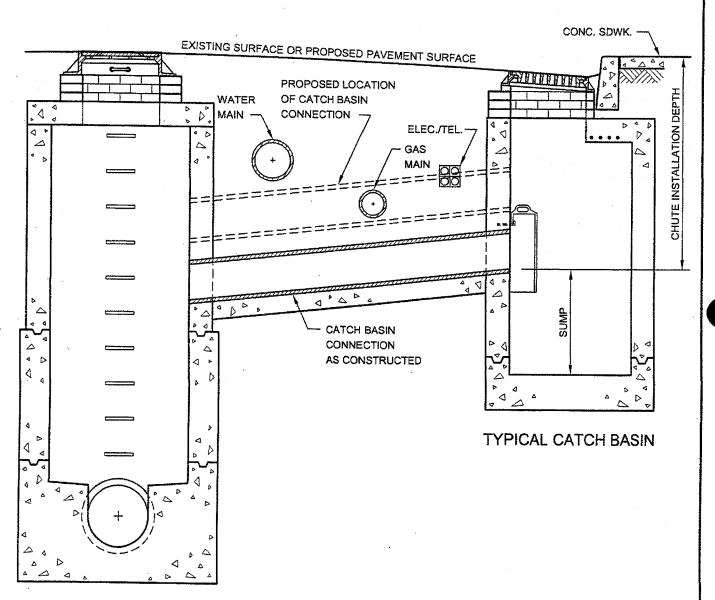


# GAS COST SHARING WORK (SKETCH NO. 3) UTILITY CROSSINGS DURING CATCH BASIN CHUTE CONNECTION PIPE INSTALLATION



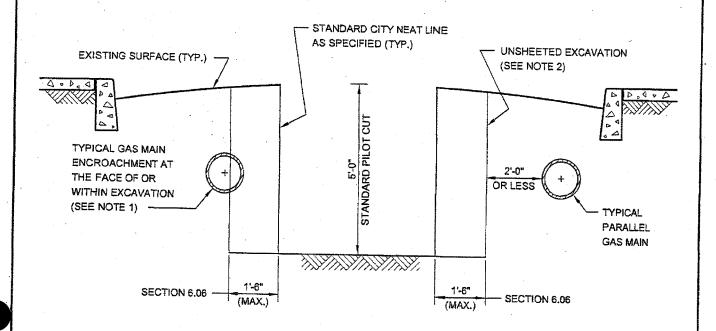
TYPICAL SEWER MANHOLE

# GAS COST SHARING WORK (SKETCH NO. 4) UTILITY CROSSINGS DURING CATCH BASIN CHUTE CONNECTION PIPE INSTALLATION (EXTRA DEPTH)



TYPICAL SEWER MANHOLE

# GAS COST SHARING WORK (SKETCH NO. 5) GAS MAIN ENCROACHMENT ON AND/OR PARALLEL TO EXCAVATION OF UNSHEETED TRENCH



#### NOTES:

- (1) GAS MAIN LOCATED AS SHOWN MAY HAVE TO BE REMOVED BY THE FACILITY OPERATOR PRIOR TO THE START OF CITY EXCAVATION, OTHERWISE, THE CONTRACTOR WILL BE PAID UNDER SECTION 6.06 FOR THE SAID WORK. IF GAS MAIN IS ABANDONED THEN SECTION 6.03 SHALL APPLY.
- (2) EIGHTEEN (18) INCHES FROM STANDARD NEAT LINE IS THE MAXIMUM ALLOWABLE WIDTH OF AREA THAT MAY BE DISTURBED OR EXCAVATED DURING INSTALLATION OF CERTAIN TYPES OF SHEETING SYSTEMS THAT MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF THE DEPARTMENT OF DESIGN AND CONSTRUCTION OF THE CITY OF NEW YORK.

## V - PRELIMINARY GAS WORK TO BE PERFORMED BY FACILITY OPERATOR.

#### APPLICABLE TO ALL GAS DRAWINGS:

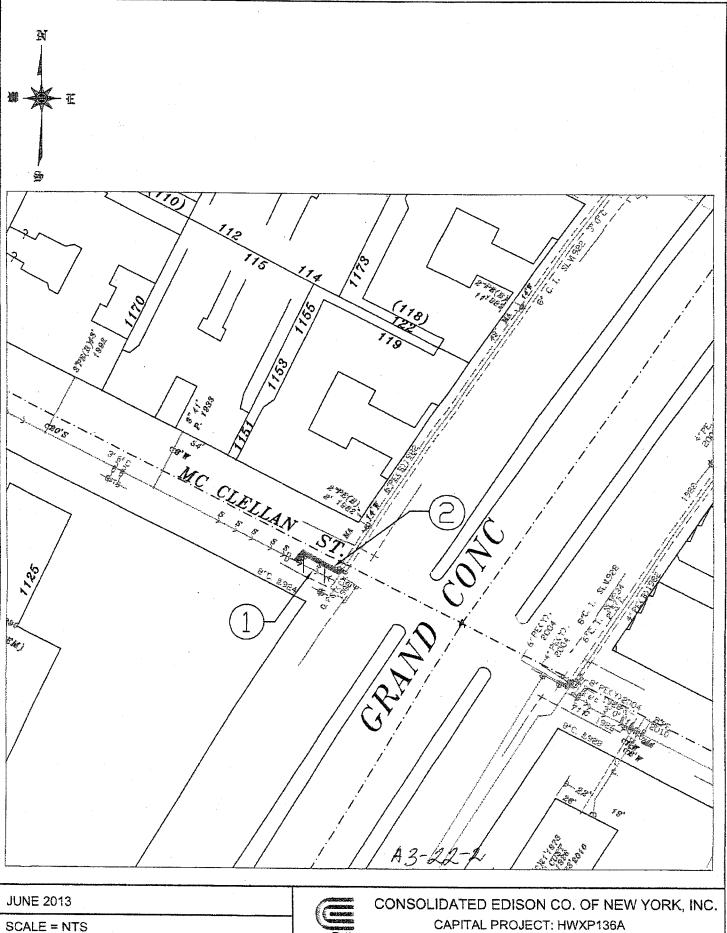
- ALL RELOCATION WORK SHOWN IN THIS ADDENDUM IS TO BE PERFORMED BY FACILITY OPERATOR.
- ALL SUPPORT AND PROTECTION WORK TO BE PERFORMED BY CITY CONTRACTOR
- IF ADDITIONAL INFORMATION IS NEEDED REGARDING THE FACILITY OPERATOR'S RELOCATION WORK, THE CONTRACTOR IS ADVISED TO CONTACT THE GAS COMPANY REPRESENTATIVE:

Ms. Theresa Kong Consolidated Edison Company 4 Irving Pl., 17<sup>th</sup> Floor New York, NY 10003 212-460-4834

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GAS FACILITY COST ALLOCATION AGREEMENT PROJECT NO.: HWXP136A CAPITAL GAS MAIN INSTALLATION		REMARKS	DET 30' 9" C1 1034	11. 1. 30 0 01 132+		RET. 180' 6" CI 1913		RET. 225' 6" CI 1920		RET. 30' 6" CI 1924		RET. 275' 4" PE 1988		RET. 750' 6" WI 1917		RET, 380' 8" CI 1923		RET. 90' 8" CI 1924	RET. 90' 6" WI 1917		
	REIMB	LENGTH			30' +/-		180' +/-		752, +/-		30, +/-		275' +/-		750' +/-		380' +/-			378' +/-	
		LENGTH			30' +/-		180′ +/-		225' +/-		30, +/-		275' +/-		750' +/-		380, +/-			378' +/-	
		TYPE			PE		PE		PE		PE		PE		Эd		ЫE			ЬE	
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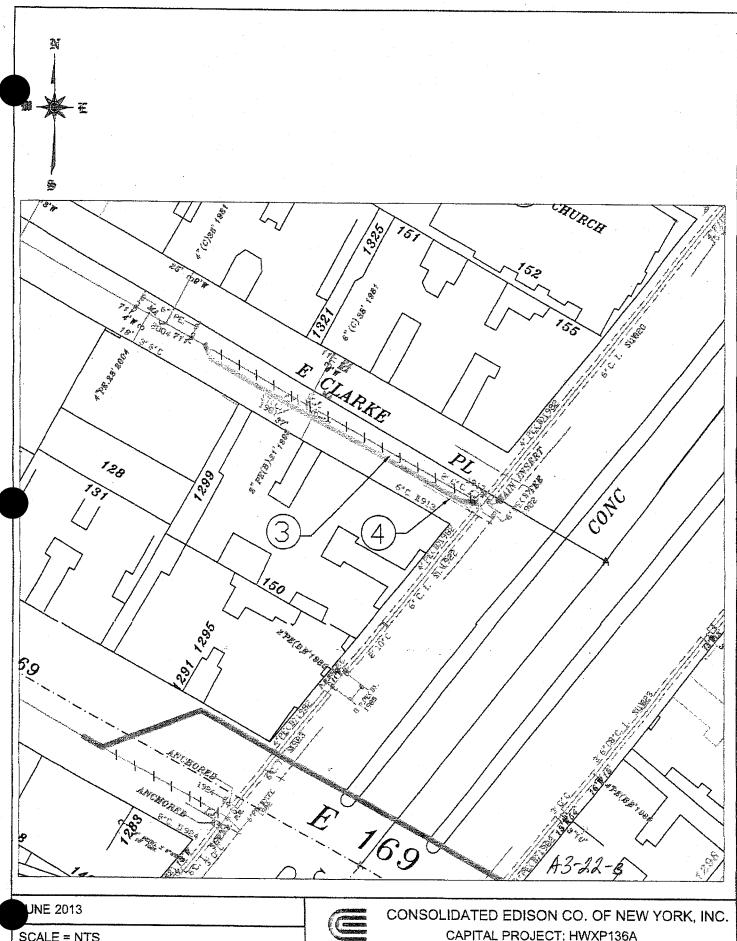


1 OF 8



RECONSTRUCTION OF GRAND CONCOURSE

BOROUGH OF BRONX



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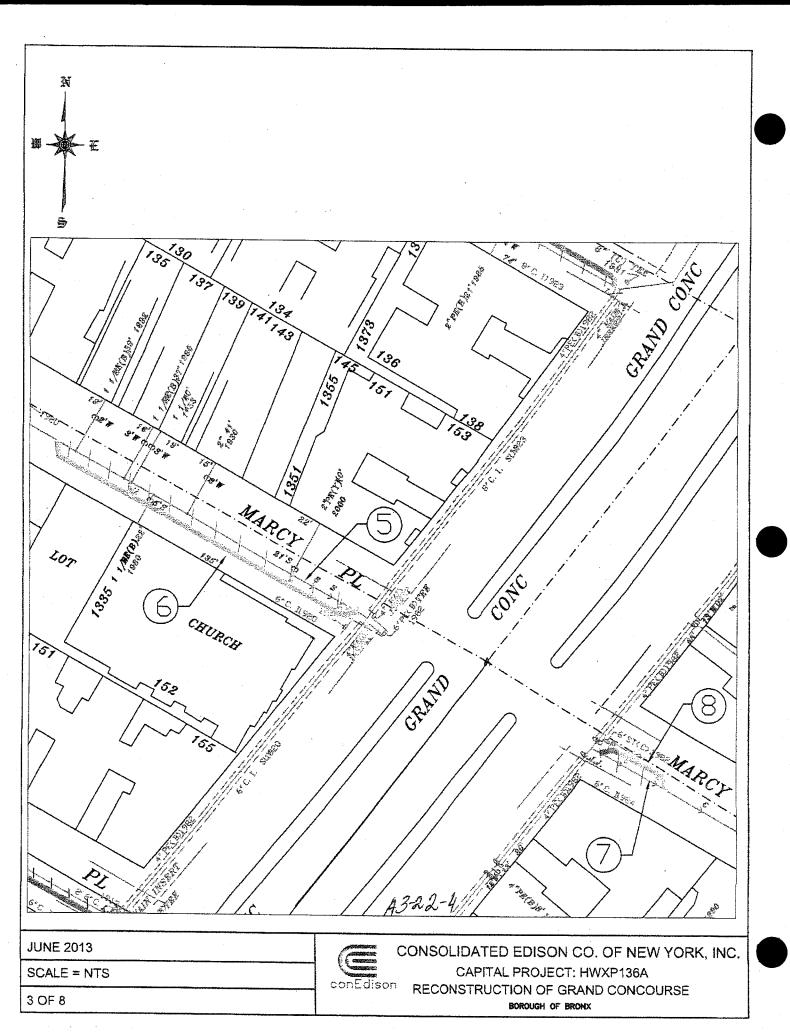
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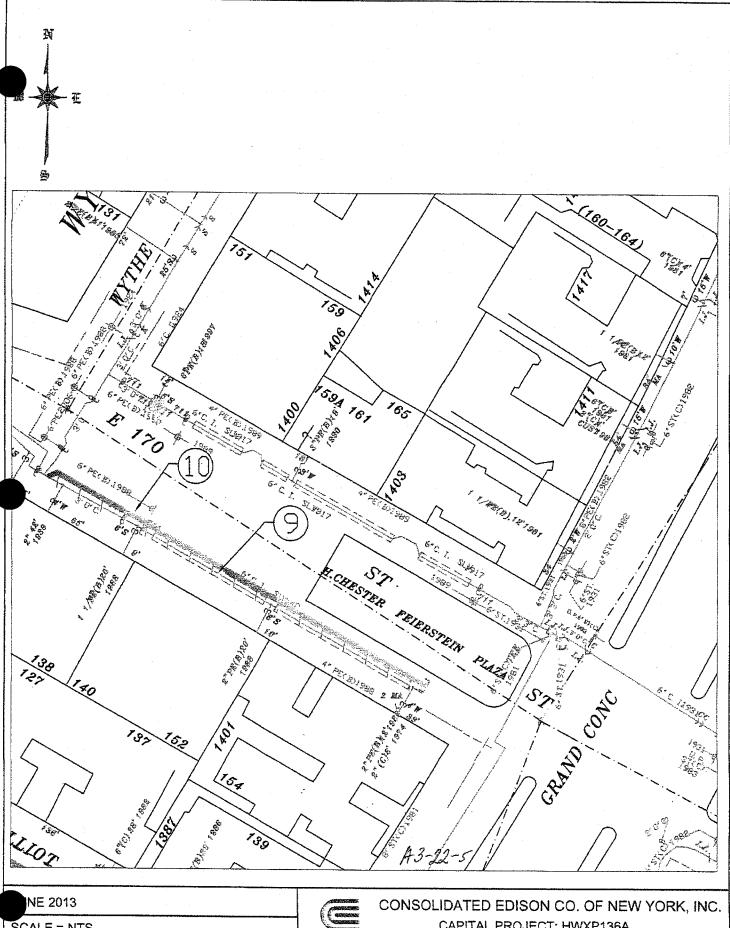


CAPITAL PROJECT: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE

BOROUGH OF BRONX





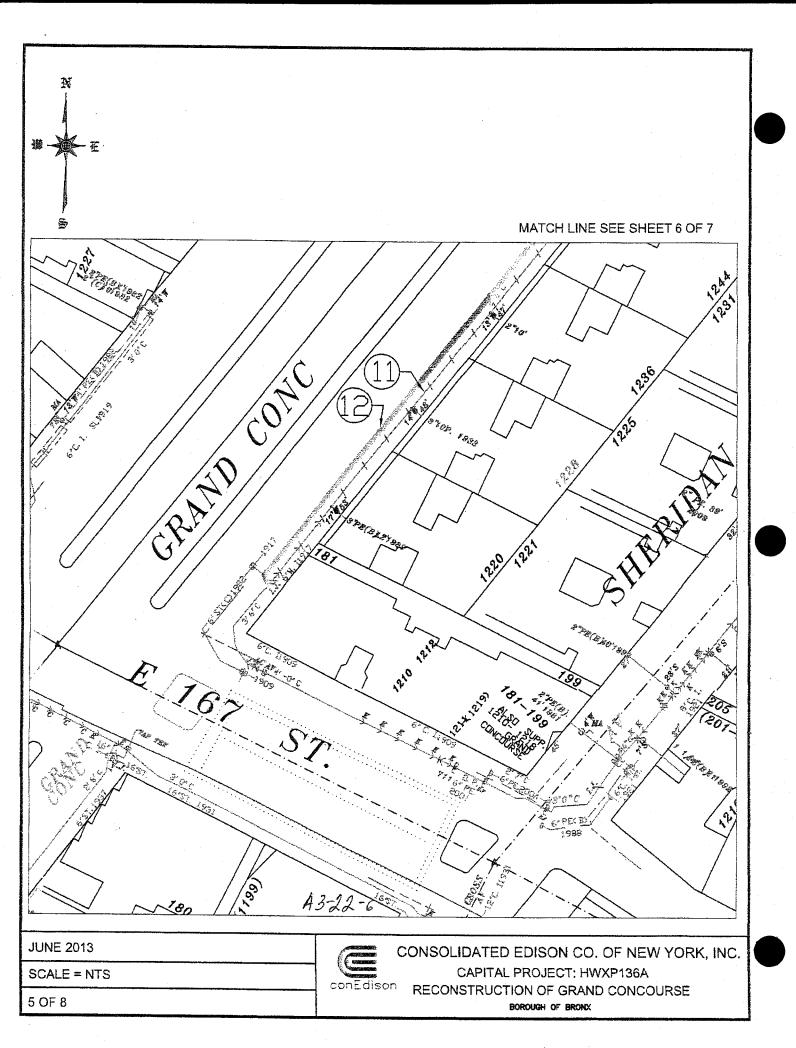
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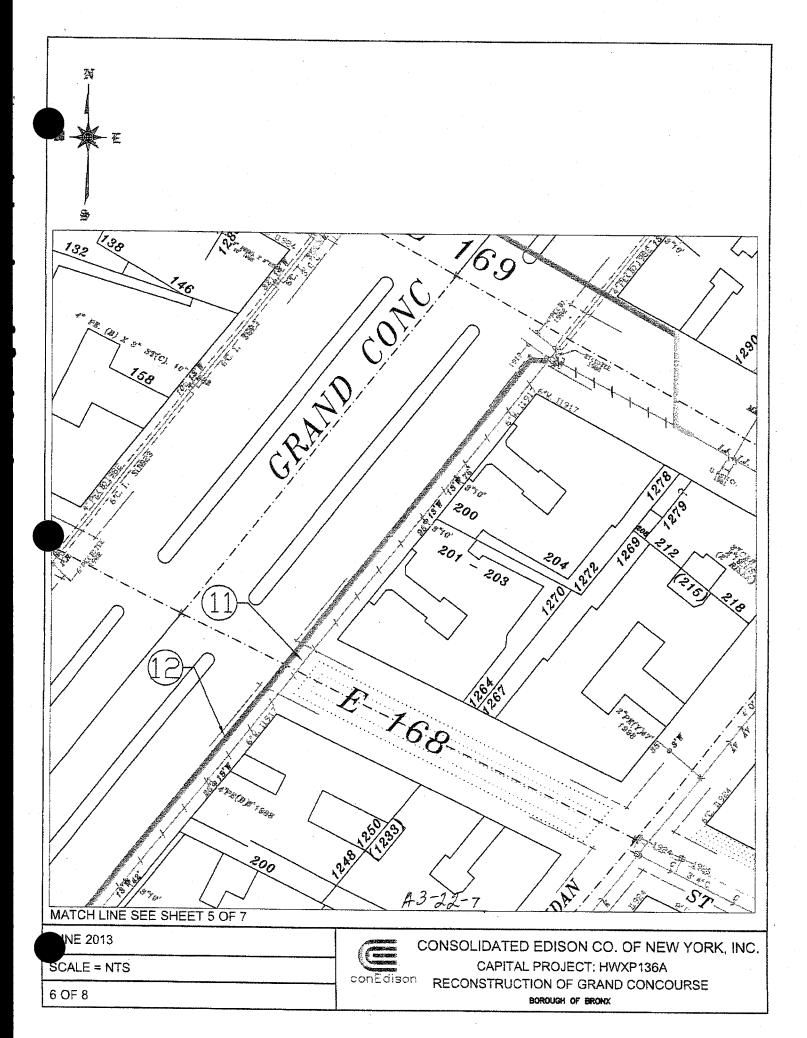
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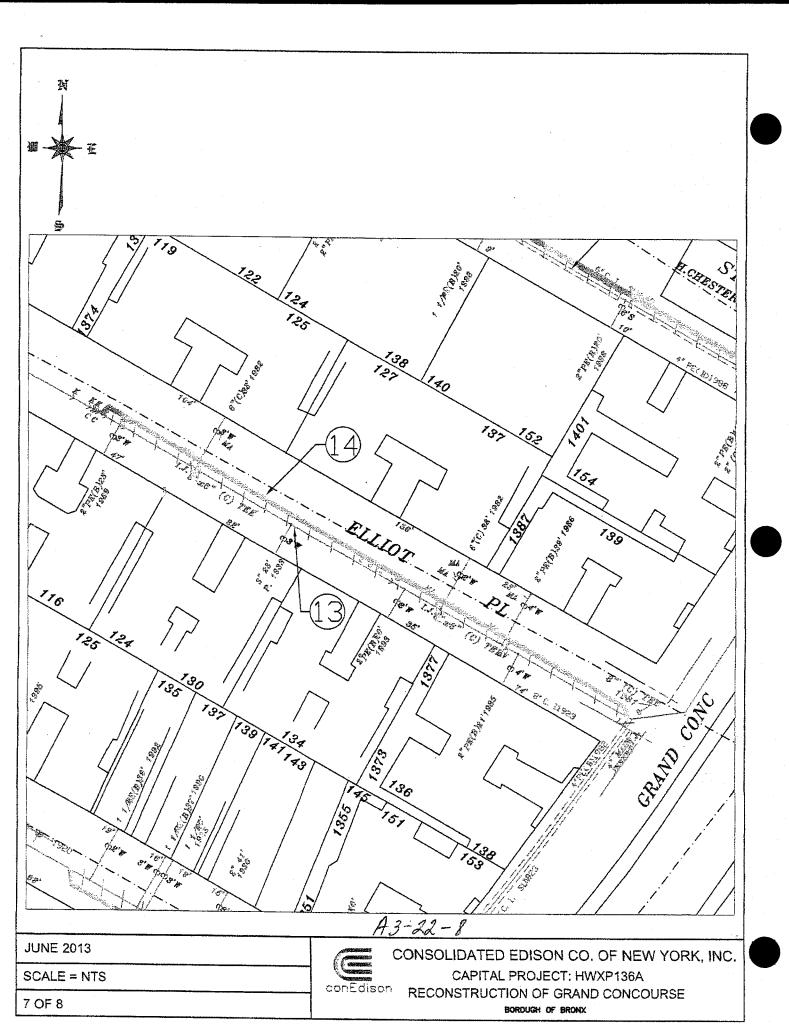


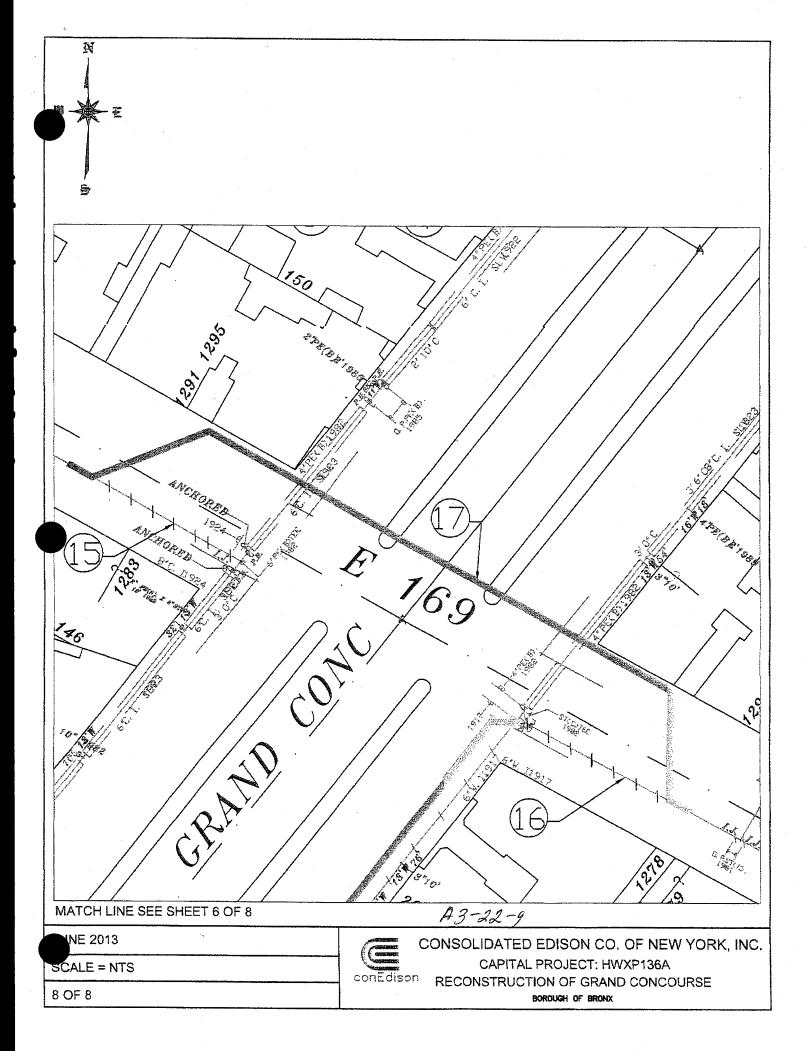
CAPITAL PROJECT: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE BOROUGH OF BRONX









## VI - LISTING OF APPROXIMATE LOCATIONS OF EP-7 BID ITEMS QUANTITIES.

(NO TEXT IN THIS AREA, TURN PAGE)

## SCOPE OF WORK SUPPORT AND PROTECTION FOR CONTRACT NUMBER HWXP - 136A

The City of New York Department of Design and Construction is planning to install sewers and/or water mains and all appurtenances in various locations in The City of New York along with all work incidental thereto.

### 6.01.1 - Support & Protect Gas Main Crossing Sewer Up To 24" In Diameter (Ea.)

1 in W/Int. E Clarke Pl & Grand Concourse

1 in W/Int. Marcy Pl & Grand Concourse

1 in W/Int. Elliot & Garand Concourse

1 in SWC E  $170^{th}$  St & Grand Concourse

2 in SEC E 170<sup>th</sup> St & Grand Concourse

2 in NEC E 171<sup>th</sup> St & Grand Concourse

1 in SEC E 168th St & Grand Concourse

1 in SEC E 169th St & Grand Concourse

### 6.01.8 - Support & Protect Gas Services Crossing Trenches and/or Excavations (Ea.)

10 in Various Locations As Required

### 6.01.9 - Support & Protect Gas Main Crossing Water Main Up To 20" In Diameter (Ea.)

2 in W/Int. McClellan St & Grand Concourse

1 in E/Int. McClellan St & Grand Concourse

1 in NEC E 168th St & Grand Concourse

1 in W/Int. E 169th St & Grand Concourse

1 in E/Int. E 169th St & Grand Concourse

1 in NWC E Clarke Pl & Grand Concourse

1 in NWC Marcy St & Grand Concourse

1 in NWC Elliot Pl & Grand Concourse

2 in NEC E 171st St & Grand Concourse

### 6.01.12 - Support & Protect Gas Main Crossing Water Main 48" Thru 54" In Diameter (Ea.)

1 in W/Int. E 169<sup>th</sup> St & Grand Concourse 1 in E/Int. E 169<sup>th</sup> St & Grand Concourse

### 6.02 - Extra Excavation For the Installation of Catch Basin Sewer Drain Pipes with gas interferences (Ea.)

4 in Various Locations As Required

### 6.03 - Removal Of Abandoned Gas Facilities. All Sizes (L.F.)

3400 in Various Locations As Required

### SCOPE OF WORK SUPPORT AND PROTECTION FOR CONTRACT NUMBER HWXP - 136A

The City of New York Department of Design and Construction is planning to install sewers and/or water mains and all appurtenances in various locations in The City of New York along with all work incidental thereto.

6.03.1A - Removal Of Abandoned Gas facilities with Possible Coal Tar Wrap. All sizes. (L.F.) (For ConEd work only)

400 in Various Locations As Required

6.04 - Adjust Hardware to Grade Using Spacer Rings/Adaptors (Street repaying) (Ea.)

41 in Various Locations As Required

6.05 - Adjust Hardware to Grade by Resetting (Road Reconstruction) (Ea.)

10 in Various Locations As Required

6.06 - Special Care Excavation & Backfilling (C.Y.)

890 in various locations, as required, including but not limited to all gas services crossing unsheeted water main trenches.

6.07 - Test Pits For Gas Facilities (C.Y.)

150 in Various Locations As Required

END OF ADDENDUM NO. 3 This addendum consist of forty (40) pages.

### ATTACH TO CONTRACT DOCUMENTS

# THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION INFRASTRUCTURE DIVISION BUREAU OF DESIGN

PROJECT ID: HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS

INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166<sup>TH</sup> STREET TO EAST 171<sup>ST</sup> STREET

INCLUDING SEWER, WATERMAIN, TRUNK MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto BOROUGH OF THE BRONX CITY OF NEW YORK

 ADDENDUM NO. 4		
DATED: June 28, 2013		

This Addendum is issued for the purpose of amending the requirements of the contract documents and is hereby made part of said contract documents to the same extent as if it was originally included therein.

The Standard Sewer Specifications of the Department of Environmental Protection (dated August 1, 2009), Sewer Design Standards of the Department of Environmental Protection (dated (September 2007) Revised January 2009), Standard Water Main Specifications of the Department of Environmental Protection (dated August 1, 2009), Water Main Standard Drawings of the Department of Environmental Protection (latest revisions), and the Standard Highway Specifications (Volumes I and II) of the Department of Transportation (dated November 1, 2010) of The City of New York, shall be included as part of the contract documents. These said specifications and standard drawings are hereby revised under the following section headings:

- A. NOTICE TO BIDDERS
- B. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS
- C. AMENDMENTS TO THE STANDARD SEWER SPECIFICATIONS
- D. AMENDMENTS TO THE STANDARD WATER MAIN SPECIFICATIONS

#### A. NOTICE TO BIDDERS

(1) (A) The Contractor is advised that copies of the Standard Sewer Specifications (dated August 1, 2009), Sewer Design Standards (dated (September 2007) Revised January 2009), Standard Water Main Specifications (dated August 1, 2009), Specifications For Trunk Main Work (dated March 2012) and Water Main Standard Drawings (latest revisions) are available to all prospective bidders at no cost upon presentation of receipt of purchase of Bid Package at the following location:

Department of Design and Construction Division of Infrastructure Design Services, Specifications, 3<sup>rd</sup> Floor 30-30 Thomson Avenue Long Island City, NY 11101

(B) The Contractor is advised that copies of the Standard Highway Specifications (Volume I and II) (dated November 1, 2010), Standard Highway Details of Construction (latest revisions), Division of Street Lighting Specifications (latest revisions), Division of Street Lighting Standard Drawings (latest revisions), Standard Specifications for Traffic Signals (latest revisions), and Standard Drawings for Traffic Signals (latest revisions) are available to all prospective bidders for a fee at the following location:

Department of Transportation 55 Water Street, Ground Floor New York City, NY 10041

- (2) The Contractor is notified that it is the intent of this Agency to commence work promptly after registration of the contract and to order the Contractor to commence work within two (2) months after registration.
- (3) The Contractor shall furnish, install, maintain and subsequently remove temporary Protective Tree Barriers. Protective Tree Barriers shall be Type B, unless otherwise directed by the Engineer, and shall be constructed and installed as shown on the Protective Tree Barrier sketch in Department Of Transportation, Standard Highway Details Of Construction, Drawing No. H-1046A, as directed by the Engineer, and in accordance with Department of Parks and Recreation requirements.
- (4) All utility locations and invert elevations are not guaranteed, nor is there any guarantee that all existing utilities, whether functional or abandoned within the project area are shown.
- (5) All existing house connections shall be maintained and supported during construction. The Contractor shall replace any existing house connection damaged as a result of the Contractor's construction operations as ordered by the Engineer at no cost to the City.
- (6) The Contractor is advised that any City owned light poles, traffic signals, street name signs, traffic signs and encumbrances including, but not limited to, underground conduit displaced as the result of the installation of the new sewers, water mains, catch basins, catch basin connections and appurtenances shall be replaced in kind and as directed by the Engineer. The cost of such work shall be deemed included in the prices bid for all items of work under this contract.
- (7) The Contractor is notified that Victaulic Style 77 Coupling is no longer acceptable for use in any steel water main work. All reference to Victaulic Style 77 Coupling within the Standard Water Main Specifications of the Department of Environmental Protection (dated August 1, 2009), the Water Main Standard Drawings of the Department of Environmental Protection (latest revisions), the Specifications For Trunk Main Work (dated March 2012), and the contract drawings, shall be replaced with Bolted Split-Sleeve Restrained Coupling.

(8) The Contractor is responsible for any damage to the existing street and traffic signal equipment, including underground conduits and the safety of both pedestrian and vehicular traffic for the duration of the contract.

Should any conduits, cables or foundations need repair due to the Contractor's negligent operations during construction, all work shall be performed according to NYCDOT Bureau of Traffic's Standard Drawings and Specifications at the sole expense of the Contractor.

It is the Contractor's responsibility to secure an approved electrical contractor to perform all traffic signal work (if any). For list of approved electrical contractors, contact Mr. Michael R. LeFosse of New York City Department of Transportation at (718) 786-2236.

- (9) The Contractor is advised that where the existing roadway pavement is designated to be replaced from curb to curb, then no full depth saw cutting of pavement for sewer and water main trenches will be required, except at the limits of full width pavement restoration. No separate or additional payment will be made for any saw cutting.
- (10)The Contractor shall exercise extreme caution and take all necessary precautions in placing sheeting and excavating to prevent any damage to the existing NYC TRANSIT'S subway structures and its appurtenances during construction work throughout the project area. The Contractor shall take full responsibility to protect the said NYC TRANSIT'S subway structures and its appurtenances and any damage caused by the Contractor's operations shall be made good by the Contractor to the satisfaction of the Engineer at no additional cost to the City.
- (11)The Contractor shall submit shop drawings to NYC Transit Authority showing all the details and methods of construction, such as, sheeting and bracing, including the Contractor's procedure and sequence of construction, supporting and/or protection of the existing TA's structures and its appurtenances, with necessary design calculations for approval prior to starting of the construction. The design shall be made by a New York State Licensed Professional Engineer skilled in this type of construction and as further evidenced by the imprint of Professional Engineer's seal and signature on all drawings. The cost of this work shall be deemed included in the price bid for all items of work under this contract.
- (12)(A) The Contractor is notified that under Item No. 51.42B1W INCREMENTAL COST OF TYPE 3 CATCH BASIN WITH CURB PIECE IN LIEU OF TYPE 1 CATCH BASIN, the Contractor shall include only the incremental cost of all labor, materials, plant, equipment and incidentals necessary to furnish and install a new Type 3 Catch Basin or Reverse Type 3 Catch Basin in place of a new Type 1 Catch Basin.
  - (B) For each Type 3 Catch Basin and Reverse Type 3 Catch Basin with Curb Piece directed to be installed by the Engineer, the Contractor shall be paid the unit price bid for Item No. 51.41S001 STANDARD CATCH BASIN, TYPE 1, plus the unit price bid for Item No. 51.42B1W INCREMENTAL COST OF TYPE 3 CATCH BASIN WITH CURB PIECE IN LIEU OF TYPE 1 CATCH BASIN. No separate or additional payment will be made for Reverse Type 3 Catch Basin.
- (13)A Reverse Type 3 catch basin shall be installed at the north side of McClellan Street and east of Grand Concourse.
- (14)There shall be no separate payment for disconnecting and reconnecting water sampling station connection to water main. The cost of this and all related incidental work shall be deemed to be included in the price bid for items of work for the various water main items.
- (15)The existing 36-inch regulator chamber shall be abandoned at the intersection of East 169th Street and Grand Concourse intersection and filled with light-weight concrete. The Contractor shall abandon the existing regulator chamber in accordance with **Subsection 1.06,12 (4) Removing And Abandoning Sewers, Water Mains, Etc.** Payment for the cost of furnishing, delivering and placing of the light-weight concrete shall be deemed included in the unit price bid for Item No. 7.18 CM CONTROLLED LOW STRENGTH MATERIAL (CLSM). All water main piping, valves, castings, and

**ADDENDUM NO. 4** 

PROJECT ID.: HWXP136A

all other hardware inside and outside of the abandoned regulator chamber shall be removed and shall become the property of the Contractor and shall be properly disposed of away from the site at the Contractor's expense.

ADDENDUM NO. 4 PROJECT ID.: HWXP136A

### B. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS

(NO TEXT)

### C. AMENDMENTS TO THE STANDARD SEWER SPECIFICATIONS

- (1) Refer to Subsection 1.06.3 Hours Of Work, Page I-4: Add the following to Subsection 1.06.3:
  - (A) <u>HOLIDAY CONSTRUCTION EMBARGO</u> A special Holiday Construction Embargo shall be in effect on the Friday of the week preceding Thanksgiving Day week from 6:00 AM to 11:59 PM and again from the Monday of Thanksgiving Day week from 6:00 AM through January 2, at 11:59 PM. Roadway and sidewalk construction activities will be restricted during the embargo period on the streets listed below\*.

Any permits issued prior to the date of this notice, for work during this embargo period on the streets listed below which do not already have the permit stipulation "410" are hereby suspended for the period noted above. All permittees must comply with this embargo unless a special waiver is granted by OCMC. Waiver requests must be filed at least thirteen (13) days before Thanksgiving Day, in the Permit Office by filing a "Request for Roadway/Sidewalk Permits During Embargo Periods" and submitting supporting documentation. Waiver requests should only be submitted for critical reasons for a specific project. If a waiver is granted, the applicant will be notified so they can apply for the approved permits. Waivers <u>are not</u> required for ongoing Building Construction Activity Permits which already include the "410" permit stipulation. Waiver request forms may be obtained at any Permit Office or on the Department of Transportation's website at:

### http://www.nyc.gov/html/dot/downloads/pdf/holidayembapp.pdf

Prior to this embargo period all necessary measures must be taken so that all roadways and sidewalks are in proper condition to allow for the expeditious and safe movement of vehicular, bicycle and pedestrian traffic. Tool carts, cable reels, containers, and material stored on roadways must be removed during the embargo period.

The opening of utility access covers is prohibited on any of the streets noted below between the hours of 6:00 AM and midnight unless the utility or contractor files for an Emergency Authorization Number as required by section 2-07 of the Department of Transportation's Highway Rules. The planned opening of utility access covers may occur during the hours of 12:01 AM and 5:59 AM where no authorization number is required.

Temporary restoration of the streets and sidewalks and removal thereof, if required for the Holiday Embargo period, will be paid for under the appropriate scheduled items.

No extension of time due to the shutdown period will be granted to the Contractor for completion of the work.

- \* Please note that this embargo only applies to NYCDOT construction permits. List of street and maps of the affected locations are available by borough on the Department of Transportation's website at: <a href="http://www.nyc.gov/html/dot/html/motorist/trafalrt.shtml">http://www.nyc.gov/html/dot/html/motorist/trafalrt.shtml</a>
- (2) <u>Refer</u> to Subsection 1.06.14 Notice To Utility Companies, Etc., To Remove Structures Occupying Place Of Sewers, Water Mains Or Appurtenances, Page I-10:

  <u>Add</u> the following to Subsection 1.06.14:
  - (1) CONSOLIDATED EDISON COMPANY OF NEW YORK (CON EDISON)

There are CON EDISON facilities in the area of construction. The Contractor shall notify CON EDISON at least seventy-two (72) hours prior to the start of construction by contacting Mr. Brenton Balfour at (212) 460-6142.

(2) VERIZON

There are VERIZON facilities in the area of construction. The Contractor shall notify VERIZON at least seventy-two (72) hours prior to the start of construction by contacting Mr. George Dinisi at (718) 861-5090.

### (3) CABLEVISION

There are CABLEVISION facilities in the area of construction. The Contractor shall notify CABLEVISION at least seventy-two (72) hours prior to the start of construction by contacting Mr. Simon Gomez at (718) 861-7353.

- (3) Refer to Subsection 1.06.20 Contractor To Notify City Departments, Page I-12: Add the following to Subsection 1.06.20:
  - (1) N.Y.C. D.E.P., BUREAU OF WATER AND SEWERS OPERATIONS

The Contractor shall notify Mr. James Garin, P.E., Assistant Commissioner, Engineering at the Department of Environmental Protection, 59-17 Junction Blvd., 3rd floor low rise, Corona N.Y. 11368, at least thirty (30) days prior to the start of construction.

(2) NEW YORK CITY FIRE DEPARTMENT

The Contractor shall notify the Bureau of Fire Communications at least thirty (30) days prior to the start of construction by contacting Mr. Nick Varone at (718) 624-4194.

(3) N.Y.C. DEPARTMENT OF TRANSPORTATION

The Contractor shall notify Mr. Steve Galgano, P.E. Chief of Signal/Street Lighting Operations, 34-02 Queens Blvd., Long Island City, N.Y. 11101 at (718) 786-3550, at least seventy-two (72) hours prior to the start of construction.

(4) N.Y.C. DEPARTMENT OF PARKS AND RECREATION

The Contractor shall notify the Parks Department at least seventy-two (72) hours prior to the start of construction by contacting Mr. Thomas Russo at (718) 699-0873.

- (5) N.Y.C. TRANSIT AUTHORITY
  - (a) The Contractor shall notify Outside Projects at least seven (7) days prior to the start of construction.

The Contractor shall contact:

Mr. Mohamed Adam, P.E.
Project Engineer-Outside Projects
New York City Transit
2 Broadway, 7th Floor
New York, N.Y. 10004
Attention Ms. Alina Avadanei
Telephone No. (646) 252-3641

(b) The Contractor is advised that bus routes as well as bus stops, within the scope of this project may be affected during construction operations. The Contractor shall notify the Transit Authority at least two (2) weeks prior to the start of construction, in order to make the necessary arrangements as required under the NYC TRANSIT GENERAL NOTES included in Section 1.06.24A, Section 1.06.24B and Section 1.06.24C of this addendum.

Arrangements shall be made through:

Ms. Sarah Wyss
Director Of Short Range, Bus Service Planning (SRB)
New York City Transit
2 Broadway, 17<sup>th</sup> Floor
New York, N.Y. 10004
Telephone No. (646) 252-5517
sarah.wyss@nyct.com

- (c) In addition, the Contractor is advised that construction operations might affect subway lines and stations; and NYCT facilities (i.e. manholes, ducts, etc.). The Contractor shall notify the Transit Authority as required and specified in Section 1.06.24A, Section 1.06.24B and Section 1.06.24C of this addendum.
- (4) Refer to Subsection 1.06.24 Contractor To Carry Out Agreement Between City And Railroad Company Or Property Owner(s), Page I-14:
  Add the following to Subsection 1.06.24:

### 1.06.24A - NYC TRANSIT GENERAL NOTES

For NYC TRANSIT notes see the contract drawings.

#### 1.06.24B - NYC TRANSIT REQUIREMENTS

N.Y.C. TRANSIT INSURANCE: The Contractor (Permittee) shall indemnify and save harmless the City of New York and the New York City Transit (Permittor) in accordance with the following "Insurance Requirements" and proof that the necessary insurance is in effect will be required before work can commence:

#### NYCT "OUTSIDE CONTRACT" INSURANCE REQUIREMENTS

- (1) The Permittee at its sole cost and expense shall carry or cause to carried and shall maintain at all times during the period of performance under this Agreement policies of insurance as herein below set forth below:
- (A) Workers' Compensation Insurance (including Employer's Liability Insurance) with limits as specified in Schedule "A", which limit may be met by a combination of primary and excess insurance meeting the statutory limits of New York State. The policy shall be endorsed to include Longshoreman's and Harbor Workers' Compensation Act/Maritime Coverage Endorsement and/or Jones Act Endorsement when applicable.
- (B) Commercial General Liability Insurance (I.S.O. 2001 Form or equivalent) approved by Permittor in the Permittee's name with limits of liability as specified in Schedule "A" for each occurrence on a combined single limit basis for injuries to persons (including death) and damages to property. The limits may be provided in the form of a primary policy or combination of primary and umbrella/excess policy. When the minimum contract amounts can only be met when applying the umbrella/excess policy; the Umbrella/Excess Policy must follow form of the underlying policy and be extended to "drop down" to become primary in the event primary limits are reduced or aggregate limits are exhausted. Such insurance shall be primary and non-contributory to any other valid and collectable insurance and must be exhausted before implicating any Permittor/MTA policy available.

Such policy should be written on an occurrence form; and shall include:

Contractual coverage for liability assumed by the Permittee under this agreement;

ADDENDUM NO. 4 PROJECT ID.: HWXP136A

Personal and Advertising Injury Coverage;

- Products-Completed. Operations;
- Independent Contractors Coverage;
- "XCU" coverage (Explosion, Collapse, and Underground Hazards) where necessary;
- Contractual Liability Exclusion, applicable to construction or demolition operations to be performed within 50 feet of railroad tracks, must be voided, where necessary; and,
- Additional Insured Endorsement (I.S.O. Form CG 20 26 07/04 version or equivalent) approved the Permittor naming:

New York City Transit Authority (NYCTA), the Manhattan and Bronx Surface Transit Operating Authority (MaBSTOA), the Staten Island Rapid Transit Operating Authority (SIRTOA), MTA Capital Construction Co., the Metropolitan Transportation Authority (MTA) including its subsidiaries and affiliates, and the City of New York (as Owner).

- (C) <u>Business Automobile Liability Insurance Policy</u> (I.S.O. Form CA 00 01 10 01 or equivalent) approved by the Permittor is required if Permittee's vehicle enters Permittor property. The insurance must be in the name of the Permittee or its contractor entering the Permittor property with limits of liability in the amount specified in Schedule "A" for claims for bodily injuries (including death) to persons and for damage to property arising out of the ownership, maintenance or use of any owned, hired or non-owned motor vehicle.
- (D) Railroad Protective Liability Insurance policy shall be required as specified in Schedule "A".
- (E) Environmental/Pollution Exposures:

In the event environmental or pollution exposures exist, the Permittee shall require the environmental contractor or sub-contractor to provide the applicable insurance covering such exposure. The limits and type of insurance provided shall be satisfactory to the Permittor and will be confirmed to the parties prior to the start of the work.

- (2) General Requirements Applicable To Insurance Policies:
  - (a) All of the insurance required by this Article shall be with Companies licensed or authorized to do business in the State of New York with an A.M. Best Company rating of not less than A-/VII or better and reasonably approved by the Permittor/MTA and shall deliver evidence of such policies.
  - (b) Except for Workers Compensation, all references to forms and coverages referred to above shall be the most recent used by the Insurance Services Office, Inc. (ISO") or equivalent forms approved by the Insurance Department of the State of New York, provided, however, that excess coverages may be written on forms reasonably acceptable to Permittor containing provisions other than those contained in ISO forms but otherwise conforming in substance to the requirements of this Article.
  - (c) The Permittee or its Contractor performing the work shall furnish evidence of all policies before any work is started to the permittor:

For NYCT Contract Inspection C/O Mr. John Malvasio Director, MOW Engineering 130 Livingston Street, Room 8044F Brooklyn, NY 11201 Telephone: (718) 694-1358 These policies must: (i) be written in accordance with the requirements of the paragraphs above, as applicable; (ii) be endorsed in form acceptable to include a provision that the policy will not be canceled, materially changed, or not renewed, unless otherwise indicated herein, at least thirty (30) days prior written notice to the Permittor c/o MTA Risk and Insurance Management (MTA RIM) Department - Standards, Enforcement & Claims Unit, 2 Broadway -21st floor, New York, NY 10004; and (iii) state or be endorsed to provide that the coverage afforded under the contractor's policies shall apply on a primary and not on an excess or contributing basis with any policies which may be available to the Permittor/MTA, and also that the contractor's policies, primary and excess, must be exhausted before implicating any Permittor/MTA policy available. (iv) In addition, contractor's policies shall state or be endorsed to provide that, if a subcontractor's policy contains any provision that may adversely affect whether contractor's policies are primary and must be exhausted before implicating any Permittor/MTA policy available, contractor's and subcontractor's policies shall nevertheless be primary and must be exhausted before implicating any Permittor/MTA policy available. Except for Professional Liability, policies written on claims made basis are not acceptable. At least two (2) weeks prior to the expiration of the policies, contractor shall endeavor to provide evidence of renewal or replacement policies of insurance, with terms and limits no less favorable than the expiring policies. Except as otherwise indicated in the detailed coverage paragraphs below, self-insured retentions and policy deductibles shall not exceed \$100,000, unless such increased deductible or retention is approved by Permittor/MTA. The Permittee shall be responsible for all claim expense and loss payments within the deductible or selfinsured retention. The insurance monetary limits required herein may be met through the combined use of the insured's primary and umbrella/excess policies.

- (d) Certificates of Insurance may be supplied as evidence of policies of the above policies, except for Policy (D) Railroad Protective Liability Insurance Policy. However, if requested by the Permittor, the Permittee shall deliver to the Authority, within forty-five (45) days of be request, a copy of such policies, certified by the insurance carrier as being true and complete. The Railroad Protective Liability Insurance Policy must be provided in the form of the Original Policy. A detailed Insurance Binder may be provided, ACORD or Manuscript Form, pending issuance of the Original Policy. The Original Policy must be submitted to MTA RIM within thirty (30) days of the Binder Approval.
- (e) If a Certificate of Insurance is submitted, it must: (1) be provided on the Permittor Certificate of Insurance Form or MTA Certificate of Insurance Form for Joint Agency Agreements; (2) be signed by an authorized representative of the insurance carrier or producer and notarized; (3) disclose any deductible, self-insured retention, sub-limit, aggregate limit or any exclusions to the policy that materially change the coverage; (4) indicate the Additional Insureds and Named Insureds as required herein, along with a physical copy of the Additional Insured Endorsement (I.S.O. Form CG 20 26 07/04 version or equivalent), as applicable and the endorsement(s) must include policy number(s); (5) reference the Contract by number on the face of the certificate; and (6) expressly reference the inclusion of all required endorsements.
- (f) The minimum amounts of insurance required in the detail description of policies (A), (B), (C), and (D) above shall not be construed to limit the extent of the Permittee's liability under this Agreement.
- (g) If, at any time during the period of this Agreement, insurance as required is not in effect, or proof thereof is not provided to the Permittor, the Permittor shall have the options to: (i) direct the Permittee to suspend work or operation with no additional cost or extension of time due on account thereof; or (ii) treat such failure as an Event of Default.

### 1.06.24C - NYC TRANSIT CURRENT AND FUTURE PROJECTS

The Contractor is notified of the following:

(1) The following subway lines are within the area of this project:

- (a) The IND No.B and No. D Trains are running along Grand Concourse Service Roads.
- (2) The Contactor can obtain NYC Transit Structural Drawings by contacting Mr. Vasanth K. Battu at (646) 252-4473.

The Contractor shall also obtain from Mr. Vasanth K. Battu the following Drawing showing Power Engineering Activities for the area of this project:

- Drawing No. P-548 Duct Assignment Vicinity of 149<sup>th</sup> Street 3<sup>rd</sup> Avenue Station Westchester White Plains Line IRT The Bronx
- Drawing No. P-519 Duct Assignment Vicinity of 149<sup>th</sup> Street Grand Concourse Station
   White Plains Line IRT The Bronx
- (3) For tables showing NYC Transit's current and planned projects that may impact and/or interfere with this project might require the Contractor to coordinate construction work with NYCT contractors see the contract drawings. These tables are for information only.
- (5) Refer to Subsection 1.06.27 Salvageable Materials, Page I-14:

<u>Delete</u> the paragraph starting with the words, "No salvageable material...", and ending with the words, "...from the site.", in its entirety:

Substitute the following:

Except as specified below, no salvageable material shall be returned to the New York City Department of Environmental Protection regardless of condition. It shall become the property of the Contractor for removal and disposal, by the Contractor, away from the site.

The Contractor shall salvage and deliver to a designated NYCDEP yard all Metropolitan Valves (6" thru 20") removed during construction of the contract.

- (6) Refer to Subsection 1.06.29 Contractor To Provide For Traffic, Page I-15: Add the following to Subsection 1.06.29:
  - (1) Traffic Stipulations:

The Contractor shall refer to Traffic Stipulations identified in the maintenance of traffic requirements under Highway Contract No. HWXP136A.

(7) <u>Refer</u> to Section 1.08 - Miscellaneous Provisions, Page I-19: <u>Delete</u> Subsection 1.08.2 - Vendors in its entirety: <u>Substitute</u> the following new <u>Subsection 1.08.2</u>:

### 1.08.2 **VENDORS**

Prior to starting work, the Contractor shall submit in writing to the Engineer the names of all vendors and manufacturers the Contractor intends to use. Unless otherwise specified in the contract documents or a written exception is granted by NYCDDC, the Contractor shall submit only one (1) vendor or manufacturer for each product that is to be incorporated in the contract. The use of multiple vendors or manufacturers to supply the same product will be prohibited, unless otherwise specified in the contract documents or a written exception is granted by NYCDDC. If the vendor or manufacturer is not approved, the Contractor will be notified to either submit another vendor or manufacturer, or have their proposed vendor or manufacturer submit a request for approval from NYCDDC. The Contractor will be prohibited from using the vendor or manufacturer until approval of the vendor or manufacturer has been acquired from NYCDDC.

ADDENDUM NO. 4 PROJECT ID.: HWXP136A

(8) Refer to Section 1.08 - Miscellaneous Provisions, Page I-20:
Add the following new Subsection 1.08.7:

### 1.08.7 SUBMITTAL OF SCHEDULE LOG

The Contractor's attention is directed to **Article 9 - Progress Schedule** of the Contract. The Contractor shall submit along with the proposed progress schedule the following: A schedule log in Excel Format (tied to the proposed progress schedule) indicating a description of and the schedule submission dates for all required submittals, shop drawings, approval requests, design mixes, reports, samples, etc., as required by the specifications and the terms of the contract.

(9) Refer to Section 2.05 - Precast Reinforced Concrete Pipe, Subsection 2.05.4 - Materials, Workmanship And Finish, Page II-10:

<u>Delete</u> from **Subsection 2.05.4**, paragraph (A) CONCRETE in its entirety: **Substitute** the following:

- (A) CONCRETE The Concrete shall comply with the requirements of **General Specification 11 Concrete**, as modified in **Section 2.15**, and be a homogeneous mixture of such proportions and quality that the pipe will conform to the design and test requirements of these specifications.
- (10)<u>Refer</u> to Section 2.15 Concrete, Subsection 2.15.3 Modifications, Page II-23:

  <u>Delete</u> from Subsection 2.15.3, Reference Number D 3.2.1 together with its paragraphs in their entirety:

Substitute the following:

D 3.2.1 DELETE 3.2.1 to 3.2.9 of GS11 and SUBSTITUTE the following:

All concrete mix designs shall be subject to approval by DDC's Quality Assurance and Construction Safety (QACS) Bureau and in accordance with their "MIX DESIGN, LABORATORY AND PLANT APPROVAL PROTOCOL". Copies of this protocol may be obtained at the preconstruction meeting or from the Engineer. Before the Contractor begins to manufacture concrete, the Contractor shall secure DDC's QACS approval of the mix design the Contractor proposes to use.

The Contractor shall submit for this purpose a statement, in writing, of the sources of all ingredient materials, the type and brand of the cement and the number of pounds of each of the materials in a saturated surface-dry condition making up one (1) cubic yard of concrete. The range of water-cement ratios within which the concrete will be manufactured and the method of mixing to be employed shall also be stated. The mix design submittal shall include gradation of aggregates, specific gravities of ingredients, unit weight, mix proportion for each batch (a minimum of four (4) batches except in case of precast plants where one specific mix may be proposed), compressive strength test results for each mix at 7-days, 28-days (high-early strength mixes may require 6-hours, 24-hours, 3-days and shrinkage test as per the requirements), and graphical representation of strength vs. W/C projected in hours/days.

The Contractor may submit for approval concrete mixes that (within one (1) year of the contract) have been previously approved and used on other jobs with any Bureau of the Department of Environmental Protection or the Department of Design and Construction. Such submittals shall contain evidence that the concrete mix was approved within one (1) year of this contract and shall show that the concrete will be produced at the same mix plant, that the cement and admixtures are the same type (though not necessarily the same brand), that the water/cement ratio is the same and that adjustments have been made in the mix for air content, specific gravity and gradation of the aggregates.

If the Contractor elects to submit a concrete mix that was not previously approved, the Contractor shall submit the new concrete mix in accordance with Chapters 2 and 3 of General Specification 11 as modified herein.

### (11)<u>Refer</u> to Section 2.15 - Concrete, Subsection 2.15.3 - Modifications, Page II-26: <u>Add</u> to Subsection 2.15.3, before Reference Number D 8.2 the following:

### D 7.3.3 ADD the following to Subsection 7.3.3 of GS11:

Each Portland cement concrete batching plant shall be subject to approval by DDC's Quality Assurance and Construction Safety (QACS) Bureau and in accordance with their "MIX DESIGN, LABORATORY AND PLANT APPROVAL PROTOCOL". Copies of this protocol may be obtained at the preconstruction meeting or from the Engineer. The minimum requirement for approval is that the proposed Portland cement concrete batching plant must be on the New York State Department of Transportation (NYSDOT) approved list for the current construction season.

The minimum requirement for approval of a precast concrete plant is that the proposed plant must be on the NYSDOT approved list. A waiver for this requirement may be granted by the DDC's Quality Assurance and Construction Safety (QACS) Director for special products that no NYSDOT approved plant is capable of producing.

Each Portland cement concrete batching plant shall also be subject to auditing and approval of the DDC's Director of Quality Assurance and Construction Safety (QACS). The Director of QACS may at any time discontinue the use of any previously approved equipment if nonconformance with the specifications results during the progress of the work. When the Director of QACS discontinues the use of the plant, production will not be acceptable for Department work until corrective measures satisfactory to the Director are carried out.

### (12) Refer to Section 2.15 - Concrete, Subsection 2.15.3 - Modifications, Page II-26:

<u>Delete</u> from <u>Subsection 2.15.3</u>, <u>Reference Number D 16.3</u> together with its paragraphs in their entirety:

**Substitute** the following:

### D 16.3 Testing Service - <u>ADD</u> the following:

The Contractor shall retain the services of an independent testing laboratory to provide for the services outlined in 16.3.1.4 to 16.3.1.11 of GS11, with the exception of those tests specified herein to be performed by the Engineer and the City Retained Laboratory.

All laboratories shall be subject to approval by DDC's Quality Assurance and Construction Safety (QACS) Bureau and in accordance with their "MIX DESIGN, LABORATORY AND PLANT APPROVAL PROTOCOL". Copies of this protocol may be obtained at the preconstruction meeting or from the Engineer. The minimum requirement for approval is that the laboratory must have the current AMRL/AASHTO R-18 accreditation in the category of service proposed and must be currently licensed by the NYC Department of Buildings (DOB).

### (13) Refer to Section 2.15 - Concrete, Subsection 2.15.3 - Modifications, Page II-26:

<u>Delete</u> from <u>Subsection 2.15.3</u>, <u>Reference Number D 16.8</u> together with its paragraphs in their entirety:

**Substitute** the following:

D 16.8 Responsibilities and Duties of Contractor - ADD the following:

The Contractor may, if the Contractor so desires, take cylinders corresponding to those taken by the Engineer for the City Retained Laboratory. However, determination of payment will be based solely on the cylinders taken by the Engineer for the City Retained Laboratory.

### **CONCRETE TEST CYLINDERS**

The Contractor will be responsible for safe delivery of concrete cylinders to the Department of Design and Construction Laboratory, within two (2) days after molding, where they will be properly stored and cured until the date of test, and tested by others, upon removal from the curing room. The Department of Design and Construction testing laboratory will provide the services for the curing and breaking of the test cylinders.

The Contractor shall provide empty cylinder molds and facilities for the proper care of these cylinders while on the site, and shall safeguard them against injury and protect them from the elements.

The Engineer will be responsible for the preparation, documentation and labeling of the cylinders and for notifying the Contractor, at least twenty-four (24) hours in advance, when a shipment of cylinders is ready for delivery, so that cylinders can be tested for the standard twenty-eight (28) day and seven (7) day tests. Cylinders are to be delivered by the Contractor to a designated area near 30-30 Thomson Avenue, Long Island City, New York, or where otherwise directed within the City of New York.

The Contractor shall make arrangements to protect all cylinders from damage during loading, transport to, and unloading at a Department of Design and Construction designated testing laboratory, and shall obtain a receipt for delivered cylinders, which shall be submitted to the Engineer.

### (14)Refer to Section 4.06 - Backfilling, Subsection 4.06.3 - Method Of Depositing All Backfill, Page IV-18:

(A) Add the following paragraph to beginning of Subsection 4.06.3:

At the preconstruction meeting, the Contractor shall submit for approval a full description of the Contractor's proposed methods to be used for all backfilling operations including, but not limited to, equipment, backfill material, depth of compaction layers, and trench locations where each is to be employed. In the field, the Contractor shall be required to demonstrate that the Contractor's methods of backfilling and compaction shall obtain a minimum of ninety-five (95) percent of Standard Proctor Maximum Dry Density.

### **(B)** <u>Delete</u> from <u>Subsection 4.06.3</u>, the fourth paragraph in its entirety: <u>Substitute</u> the following:

Unless otherwise approved in writing by the Engineer, backfilling of the remainder of the trenches and excavations from a point not less than two (2) feet above the top of the sewer conduit (i.e. sewer pipes on cradles or encasements, reinforced concrete sewers, basin and house connections, culverts, etc.) to the underside of the pavement shall be progressively deposited in uniform and successive horizontal layers not exceeding twelve (12) inches in depth for the entire width of the trench or excavation and each successive layer shall be solidly compacted by mechanical tamping or other approved means so as to achieve the required density. In deep trenches defined as those requiring sheeting, the Contractor may submit to the Engineer, for approval, an alternate backfill method (i.e. jetting, deeper deposited layers not exceeding twenty-four (24) inches, etc.) for depositing and compacting the backfill from two (2) feet above the top of the sewer conduit to a plane five (5) feet below final surface elevation. However, approval of any alternate backfill method shall not relieve the Contractor from obtaining a minimum of ninety-five (95) percent of Standard Proctor Maximum Dry

Density. Should the Engineer determine that the specified density is not being obtained, the area must be re-excavated and backfilled at the Contractor's own cost until the required compaction density is achieved.

**(C)** <u>Delete</u> from **Subsection 4.06.3**, the seventh paragraph in its entirety: <u>Substitute</u> the following:

Backfill shall proceed simultaneously with the withdrawal of sheeting but at no time shall the withdrawal of sheeting exceed a height of six (6) inches above the deposited backfill. Withdrawal of sheeting below levels previously backfilled and compacted is prohibited.

- (15)<u>Refer</u> to Section 5.01 Reinforced Concrete Sewers, Subsection 5.01.4 Precast Reinforced Concrete Sewer, Paragraph (C) Details, second paragraph, first line, Page V-4:

  <u>Change</u> the words "C789 or C850 (as required)", to "C1433":
- (16)<u>Refer</u> to Section 5.05C Reconstruction Of Existing Sewers Using D.E.P. Approved Cured-In-Place-Pipe (CIPP) Lining Method, Subsection 5.05C.6 Separate Payment, third paragraph, second line, Page V-49

  Change the word, "nine", to "eleven":
- (17)<u>Refer</u> to Section 5.11 Outfall Structures, Subsection 5.11.2 Materials, Page V-95:

  <u>Delete</u> from Subsection 5.11.1, paragraph (A) in its entirety:

  <u>Substitute</u> the following:
  - (A) Concrete used for outfall structure (including headwalls, reinforced concrete sewer outfalls, cradles and encasements, chambers, manholes and catch basins) shall comply with the requirements of **General Specification 11 Concrete**, **as modified in Section 2.15**; and, shall contain entrained air of six percent (6%), and a corrosion inhibitor. The corrosion inhibitor shall consist of a calcium nitrite solution, containing 30 ±2% calcium nitrite solids by weight and having a specific gravity of 1.27 ±0.02. The corrosion inhibitor when used in the manufacturing process shall not produce a significant amount of chloride ions in the final product (less than 1,000-ppm). The ph shall be greater than 8. The admixture shall not contain chemicals that produce a condition injurious to the quality and durability of the concrete or reinforcing steel. Calcium nitrite, which acts as an accelerator, may be used in conjunction with compatible retarding admixtures to control setting time and workability of the concrete; consult the manufacturer of the product. The corrosion inhibitor must be added to the mix immediately after air entraining and retarding admixtures have been introduced into the batch. Acceptance of calcium nitrite based corrosion inhibitor shall be based upon it being listed in the most current New York State Department of Transportation's "Approved List Of Calcium Nitrite Based Corrosion Inhibitors".
- (18)<u>Refer</u> to Section 5.18A Sewer Cleaning, Subsection 5.18A.3 Disposal, Page V-124:

  <u>Delete</u> from Subsection 5.18A.3, the first paragraph in its entirety:

  <u>Substitute</u> the following:

All material removed from the sewers and sewer portions through the manholes under this contract shall become the property of the Contractor and shall be properly disposed of away from the site, at the Contractor's expense.

(19)<u>Refer</u> to Section 5.23 - Decking, Subsection 5.23.1 - Description, Page V-161:

<u>Delete</u> from Subsection 5.23.1, the third paragraph in its entirety:

<u>Substitute</u> the following:

Steel plates that are resting on pavement, that are not part of a decking system, and are used to temporarily span trenches and excavations for vehicular traffic and for pedestrian crossings and walkways shall not be included for payment under this decking section. The cost of all labor, materials, equipment, insurance and incidentals necessary to furnish, place, anchor and ramp these temporary steel plates, when and where directed, in order to comply with the requirements of the NYCDOT Office of Construction Mitigation and Coordination (OCMC) traffic stipulations, the directions of the Engineer, and the Contractor's construction operations shall be deemed included in the prices bid for all contract items of work.

### (20)<u>Refer</u> to Section 5.23 - Decking, Subsection 5.23.4 - Design Criteria, Page V-162: <u>Add</u> the following to Subsection 5.23.4:

(C) The Contractor may substitute skid resistant steel plates (Non-Skid Textured Plates) for timber mats, subject to approval in accordance with **Subsection 4.05.5**. These steel plates shall be placed flush with the existing roadway and shall be installed in compliance with the requirements of **Subsection 4.05.6(G)**.

### (21)<u>Refer</u> to Subsection 5.32.4 - Specific Pavement Restoration Provisions, Page V-185: <u>Add</u> the following to Subsection 5.32.4:

- (E) Specific Pavement Restoration Provisions:
  - (1) Within the limits of the highway rehabilitation the restoration shall be accomplished and paid for in accordance with Highway Construction Plans, Details and Specifications for Highway Project ID. HWXP136A.
  - (2) In street areas requiring sewer and water main work outside the limits of highway reconstruction the restoration shall be as follows:
    - (a) The permanent restoration over the **trench width and cutbacks only** shall consist of a top course of a minimum of three (3) inches of binder mixture on a base course of a minimum of six (6) inches of high-early strength concrete, to match the existing pavement as directed by the Engineer.
    - (b) Finally an overlay of two (2) inches of asphaltic concrete wearing course shall be installed over the entire width of the roadway from curb to curb or edge to edge of existing roadway.
  - (3) The following requirements apply to the areas specified in subsection (2) above:
    - (a) Before the top course is installed, an additional width of asphalt beyond the edge of new base course shall be saw-cut and removed from all edges of trenches to a depth to accommodate the specified top course and the entire area restored. This additional removal shall be in accordance with paragraph (b) below.
    - (b) Pavement excavation along with saw cutting of pavements for sewer and water main trenches shall be in accordance with **Section 5.30 Pavement Excavation** of both the Standard Sewer Specifications and the Standard Water Main Specification.
    - (c) At locations requiring the installation of a concrete base course, a reflective cracking membrane shall be installed over joints prior to restoration. Payment for the reflective cracking membrane shall be made under Item No. 6.91 - REFLECTIVE CRACKING MEMBRANE (18" WIDE). Additionally, appropriate pavement keys as described below shall be used.

(d) Pavement keys **Type B-1** shall be used to insure a desired four (4) inch curb reveal (two and one-half (2-1/2) inch absolute minimum). Pavement key **Type A** shall be used in all intersections. Both keys are to be per Bureau of Highways Operations Specifications and Standard Details of Construction.

- (e) Unless otherwise specified, the cost for tack coating, eradication of temporary roadway markings and adjustment of city-owned castings shall be deemed included in the prices bid for all pavement restoration items.
- (f) Payment for placement of temporary pavement marking shall be made under Item No. 6.49 TEMPORARY PAVEMENT MARKINGS (4" WIDE).
- (g) Payment for removal of existing pavement markings shall be made under Item No. 6.53 - REMOVE EXISTING LANE MARKINGS (4"WIDE).
- (h) Payment for removal and permanent placement of pavement marking with thermoplastic reflectorized pavement markings (crosswalk and lane dividers) shall be made under Item No. 6.44 - THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (4" WIDE).
- Payment for stripping or milling of the pavement shall be made under Item No. 6.75 -GRINDING EXISTING ASPHALTIC CONCRETE WEARING COURSE.
- (j) Payment for pavement restoration shall be made under the following items:

Item No.	<u>Item</u>	Payment Description
4.02 AF-R	Asphaltic Concrete Wearing Course, 2" Thick	(For 2" asphaltic concrete wearing course overlay from curb to curb or edge to edge.)
4.02 CB	Asphaltic Concrete Mixture	(For binder mixture base course over trenches and cutbacks; binder mixture top course when overlay is required; binder mixture in Type A and B Keys; and binder mixture to fill in roadway depressions and to provide a leveling course prior to overlay where ordered.)
4.04 H	Concrete Base For Pavement, Variable Thickness For Trench Restoration, (High-Early Strength)	(For concrete base course over trenches and cutbacks.)

(22)<u>Refer</u> to Section 5.36 - Additional Earth Excavation Including Test Pits, Subsection 5.36.4 - Price To Cover, Paragraph (3), fifth line, Page V-195:

<u>Change</u> 16", to 16'.

### D. AMENDMENTS TO THE STANDARD WATER MAIN SPECIFICATIONS

- (1) Refer to Subsection 1.06.3 Hours Of Work, Page I-4: Add the following to Subsection 1.06.3:
  - (A) <u>HOLIDAY CONSTRUCTION EMBARGO</u> A special Holiday Construction Embargo shall be in effect on the Friday of the week preceding Thanksgiving Day week from 6:00 AM to 11:59 PM and again from the Monday of Thanksgiving Day week from 6:00 AM through January 2, at 11:59 PM. Roadway and sidewalk construction activities will be restricted during the embargo period on the streets listed below\*.

Any permits issued prior to the date of this notice, for work during this embargo period on the streets listed below which do not already have the permit stipulation "410" are hereby suspended for the period noted above. All permittees must comply with this embargo unless a special waiver is granted by OCMC. Waiver requests must be filed at least thirteen (13) days before Thanksgiving Day, in the Permit Office by filing a "Request for Roadway/Sidewalk Permits During Embargo Periods" and submitting supporting documentation. Waiver requests should only be submitted for critical reasons for a specific project. If a waiver is granted, the applicant will be notified so they can apply for the approved permits. Waivers <u>are not</u> required for ongoing Building Construction Activity Permits which already include the "410" permit stipulation. Waiver request forms may be obtained at any Permit Office or on the Department of Transportation's website at:

#### http://www.nyc.gov/html/dot/downloads/pdf/holidayembapp.pdf

Prior to this embargo period all necessary measures must be taken so that all roadways and sidewalks are in proper condition to allow for the expeditious and safe movement of vehicular, bicycle and pedestrian traffic. Tool carts, cable reels, containers, and material stored on roadways must be removed during the embargo period.

The opening of utility access covers is prohibited on any of the streets noted below between the hours of 6:00 AM and midnight unless the utility or contractor files for an Emergency Authorization Number as required by section 2-07 of the Department of Transportation's Highway Rules. The planned opening of utility access covers may occur during the hours of 12:01 AM and 5:59 AM where no authorization number is required.

Temporary restoration of the streets and sidewalks and removal thereof, if required for the Holiday Embargo period, will be paid for under the appropriate scheduled items.

No extension of time due to the shutdown period will be granted to the Contractor for completion of the work.

- \* Please note that this embargo only applies to NYCDOT construction permits. List of street and maps of the affected locations are available by borough on the Department of Transportation's website at: <a href="http://www.nyc.gov/html/dot/html/motorist/trafalrt.shtml">http://www.nyc.gov/html/dot/html/motorist/trafalrt.shtml</a>
- (2) Refer to Subsection 1.06.27 Salvageable Materials, Page I-14:

<u>Delete</u> the paragraph starting with the words, "No salvageable material...", and ending with the words, "... from the site.", in its entirety:

Substitute the following:

Except as specified below, no salvageable material shall be returned to the New York City Department of Environmental Protection regardless of condition. It shall become the property of the Contractor for removal and disposal, by the Contractor, away from the site.

The Contractor shall salvage and deliver to a designated NYCDEP yard all Metropolitan Valves (6" thru 20") removed during construction of the contract.

(3) <u>Refer</u> to Standard Water Main Specifications (August 1, 2009), **Subsection 1.06.29 - Contractor To Provide For Traffic**, Page I-15:

Add the following to Subsection 1.06.29:

See amended Standard Sewer Specifications (August 1, 2009) **Subsection 1.06.29 - Contractor To Provide For Traffic** of this addendum.

(4) Refer to Section 1.08 - Miscellaneous Provisions, Page I-19:

Delete Subsection 1.08.2 - Vendors in its entirety:

Substitute the following new Subsection 1.08.2:

#### 1.08.2 **VENDORS**

Prior to starting work, the Contractor shall submit in writing to the Engineer the names of all vendors and manufacturers the Contractor intends to use. Unless otherwise specified in the contract documents or a written exception is granted by NYCDDC, the Contractor shall submit only one (1) vendor or manufacturer for each product that is to be incorporated in the contract. The use of multiple vendors or manufacturers to supply the same product will be prohibited, unless otherwise specified in the contract documents or a written exception is granted by NYCDDC. If the vendor or manufacturer is not approved, the Contractor will be notified to either submit another vendor or manufacturer, or have their proposed vendor or manufacturer submit a request for approval from NYCDDC. The Contractor will be prohibited from using the vendor or manufacturer until approval of the vendor or manufacturer has been acquired from NYCDDC.

(5) <u>Refer</u> to Section 1.08 - Miscellaneous Provisions, Page I-20: <u>Add</u> the following new Subsection 1.08.7:

#### 1.08.7 SUBMITTAL OF SCHEDULE LOG

The Contractor's attention is directed to **Article 9 - Progress Schedule** of the Contract. The Contractor shall submit along with the proposed progress schedule the following: A schedule log in Excel Format (tied to the proposed progress schedule) indicating a description of and the schedule submission dates for all required submittals, shop drawings, approval requests, design mixes, reports, samples, etc., as required by the specifications and the terms of the contract.

(6) Refer to Section 2.15 - Concrete, Subsection 2.15.3 - Modifications, Page II-11:
<u>Delete</u> from Subsection 2.15.3, Reference Number D 3.2.1 together with its paragraphs in their entirety:
<u>Substitute</u> the following:

#### D 3.2.1 DELETE 3.2.1 to 3.2.9 of GS11 and SUBSTITUTE the following:

All concrete mix designs shall be subject to approval by DDC's Quality Assurance and Construction Safety (QACS) Bureau and in accordance with their "MIX DESIGN, LABORATORY AND PLANT APPROVAL PROTOCOL". Copies of this protocol may be obtained at the preconstruction meeting or from the Engineer. Before the Contractor begins to manufacture concrete, the Contractor shall secure DDC's QACS approval of the mix design the Contractor proposes to use.

The Contractor shall submit for this purpose a statement, in writing, of the sources of all ingredient materials, the type and brand of the cement and the number of pounds of each of the materials in a saturated surface-dry condition making up one (1) cubic yard of concrete. The range of water-cement ratios within which the concrete will be

manufactured and the method of mixing to be employed shall also be stated. The mix design submittal shall include gradation of aggregates, specific gravities of ingredients, unit weight, mix proportion for each batch (a minimum of four (4) batches except in case of precast plants where one specific mix may be proposed), compressive strength test results for each mix at 7-days, 28-days (high-early strength mixes may require 6-hours, 24-hours, 3-days and shrinkage test as per the requirements), and graphical representation of strength vs. W/C projected in hours/days.

The Contractor may submit for approval concrete mixes that (within one (1) year of the contract) have been previously approved and used on other jobs with any Bureau of the Department of Environmental Protection or the Department of Design and Construction. Such submittals shall contain evidence that the concrete mix was approved within one (1) year of this contract and shall show that the concrete will be produced at the same mix plant, that the cement and admixtures are the same type (though not necessarily the same brand), that the water/cement ratio is the same and that adjustments have been made in the mix for air content, specific gravity and gradation of the aggregates.

If the Contractor elects to submit a concrete mix that was not previously approved, the Contractor shall submit the new concrete mix in accordance with Chapters 2 and 3 of General Specification 11 as modified herein.

- (7) Refer to Section 2.15 Concrete, Subsection 2.15.3 Modifications, Page II-13: Add to Subsection 2.15.3, before Reference Number D 8.2 the following:
  - D 7.3.3 ADD the following to Subsection 7.3.3 of GS11:

Each Portland cement concrete batching plant shall be subject to approval by DDC's Quality Assurance and Construction Safety (QACS) Bureau and in accordance with their "MIX DESIGN, LABORATORY AND PLANT APPROVAL PROTOCOL". Copies of this protocol may be obtained at the preconstruction meeting or from the Engineer. The minimum requirement for approval is that the proposed Portland cement concrete batching plant must be on the New York State Department of Transportation (NYSDOT) approved list for the current construction season.

The minimum requirement for approval of a precast concrete plant is that the proposed plant must be on the NYSDOT approved list. A waiver for this requirement may be granted by the DDC's Quality Assurance and Construction Safety (QACS) Director for special products that no NYSDOT approved plant is capable of producing.

Each Portland cement concrete batching plant shall also be subject to auditing and approval of the DDC's Director of Quality Assurance and Construction Safety (QACS). The Director of QACS may at any time discontinue the use of any previously approved equipment if nonconformance with the specifications results during the progress of the work. When the Director of QACS discontinues the use of the plant, production will not be acceptable for Department work until corrective measures satisfactory to the Director are carried out.

(8) Refer to Section 2.15 - Concrete, Subsection 2.15.3 - Modifications, Page II-14:
Delete from Subsection 2.15.3, Reference Number D 16.3 together with its paragraphs in their entirety:
Substitute the following:

D 16.3 Testing Service - ADD the following:

The Contractor shall retain the services of an independent testing laboratory to provide for the services outlined in 16.3.1.4 to 16.3.1.11 of GS11, with the exception of those tests specified herein to be performed by the Engineer and the City Retained Laboratory.

All laboratories shall be subject to approval by DDC's Quality Assurance and Construction Safety (QACS) Bureau and in accordance with their "MIX DESIGN, LABORATORY AND PLANT APPROVAL PROTOCOL". Copies of this protocol may be obtained at the preconstruction meeting or from the Engineer. The minimum requirement for approval is that the laboratory must have the current AMRL/AASHTO R-18 accreditation in the category of service proposed and must be currently licensed by the NYC Department of Buildings (DOB).

(9) Refer to Section 2.15 - Concrete, Subsection 2.15.3 - Modifications, Page II-14:

<u>Delete</u> from <u>Subsection 2.15.3</u>, <u>Reference Number D 16.8</u> together with its paragraphs in their entirety:

Substitute the following:

D 16.8 Responsibilities and Duties of Contractor - ADD the following:

The Contractor may, if the Contractor so desires, take cylinders corresponding to those taken by the Engineer for the City Retained Laboratory. However, determination of payment will be based solely on the cylinders taken by the Engineer for the City Retained Laboratory.

#### **CONCRETE TEST CYLINDERS**

The Contractor will be responsible for safe delivery of concrete cylinders to the Department of Design and Construction Laboratory, within two (2) days after molding, where they will be properly stored and cured until the date of test, and tested by others, upon removal from the curing room. The Department of Design and Construction testing laboratory will provide the services for the curing and breaking of the test cylinders.

The Contractor shall provide empty cylinder molds and facilities for the proper care of these cylinders while on the site, and shall safeguard them against injury and protect them from the elements.

The Engineer will be responsible for the preparation, documentation and labeling of the cylinders and for notifying the Contractor, at least twenty-four (24) hours in advance, when a shipment of cylinders is ready for delivery, so that cylinders can be tested for the standard twenty-eight (28) day and seven (7) day tests. Cylinders are to be delivered by the Contractor to a designated area near 30-30 Thomson Avenue, Long Island City, New York, or where otherwise directed within the City of New York.

The Contractor shall make arrangements to protect all cylinders from damage during loading, transport to, and unloading at a Department of Design and Construction designated testing laboratory, and shall obtain a receipt for delivered cylinders, which shall be submitted to the Engineer.

### (10)Refer to Section 4.06 - Backfilling, Subsection 4.06.3 - Method Of Depositing All Backfill, Page IV-18:

(A) Add the following paragraph to beginning of Subsection 4.06.3:

At the preconstruction meeting, the Contractor shall submit for approval a full description of the Contractor's proposed methods to be used for all backfilling operations including, but not limited to, equipment, backfill material, depth of compaction layers, and trench locations where each is to be

employed. In the field, the Contractor shall be required to demonstrate that the Contractor's methods of backfilling and compaction shall obtain a minimum of ninety-five (95) percent of Standard Proctor Maximum Dry Density.

**(B)** <u>Delete</u> from **Subsection 4.06.3**, the fourth paragraph in its entirety: <u>Substitute</u> the following:

Unless otherwise approved in writing by the Engineer, backfilling of the remainder of the trenches and excavations from a point not less than twelve (12) inches above the top of the barrel of the water main pipe to the underside of the pavement shall be progressively deposited in uniform and successive horizontal layers not exceeding twelve (12) inches in depth for the entire width of the trench or excavation and each successive layer shall be solidly compacted by mechanical tamping or other approved means so as to achieve the required density. In deep trenches defined as those requiring sheeting, the Contractor may submit to the Engineer, for approval, an alternate backfill method (i.e. jetting, deeper deposited layers not exceeding twenty-four (24) inches, etc.) for depositing and compacting the backfill from twelve (12) inches above the top of the barrel of the water main pipe to a plane five (5) feet below final surface elevation. However, approval of any alternate backfill method shall not relieve the Contractor from obtaining a minimum of ninety-five (95) percent of Standard Proctor Maximum Dry Density. Should the Engineer determine that the specified density is not being obtained, the area must be re-excavated and backfilled at the Contractor's own cost until the required compaction density is achieved.

**(C)** <u>Delete</u> from Subsection 4.06.3, the seventh paragraph in its entirety: <u>Substitute</u> the following:

Backfill shall proceed simultaneously with the withdrawal of sheeting but at no time shall the withdrawal of sheeting exceed a height of six (6) inches above the deposited backfill. Withdrawal of sheeting below levels previously backfilled and compacted is prohibited.

(11)Refer to Section 5.02 - Laying Ductile Iron Pipe And Fittings, Subsection 5.02.3(F) - Bedding And Foundation Of Pipes, Page V-8:

<u>Delete</u> from **Subsection 5.02.3(F)**, Paragraph (5) - Pier And Plate, in its entirety: <u>Substitute</u> the following new Paragraph (5):

(5) Shallow Cover: Where mains 24-inches and smaller are laid with covers of 2'-0" or less, the Contractor shall provide protection in accordance with **Standard Drawing No. 42063-Y** or as directed by the Engineer.

Where mains 24-inches and smaller are laid with covers between 2'-6" and 2'-0", the Contractor shall provide steel plates only over the main with dimensions as shown on **Standard Drawing No. 46464-Z** or as directed by the Engineer.

Where mains 30-inches and larger are laid with covers of 2'-6" or less, the Contractor shall provide protection in accordance with **Standard Drawing No. 46464-Z** or as directed by the Engineer.

Covers over the new mains shall not be less than 1'-6".

(12)<u>Refer</u> to Section 5.02 - Laying Ductile Iron Pipe And Fittings, Subsection 5.02.3 - Construction Methods, Paragraph (M) - Laying Temporary Connections, Page V-12:

<u>Delete</u> Paragraph (M), in its entirety:

Substitute the following:

(M) LAYING TEMPORARY CONNECTIONS AND INSTALLING TEMPORARY CAP ASSEMBLIES AND/OR BULKHEADS

(1) When new water mains are laid and it becomes necessary to provide a temporary connection between the existing main and new mains laid under this contract (regardless of whether the new and existing water mains are in the same trench or are offset in two different trenches), the Contractor shall, if ordered, provide all labor, equipment and facilities for laying, maintaining and removing when directed, temporary connections and appurtenances. If City forces do laying of temporary connections, the Contractor shall make all required equipment and facilities available to them. No payment will be made for providing temporary house services which may be required when making a temporary connection between the existing and new main.

- (2) (a) Temporary cap assemblies on distribution water mains (20" and less in diameter) shall consist of a 2-foot long spigot/spigot ductile iron pipe with a mechanical joint cap restrained to the pipe with a "wedge-type" retainer gland and a minimum 2-inch tap on the pipe section.
  - (b) Temporary cap assemblies on distribution water mains (20" and less in diameter) shall be restrained and braced in a manner sufficient to support system working pressures, and thrust forces.
  - (c) The 2-inch tap required as part of the temporary cap assembly is to be utilized to allow air to escape while filling the main in addition to allow for proper flushing of the main.
  - (d) Restraint and bracing as well as temporary cap assemblies/bulkheads for water mains greater than 20" in diameter shall be submitted for approval by the Engineer prior to being utilized.
- (13)<u>Refer</u> to Section 5.02 Laying Ductile Iron Pipe And Fittings, Subsection 5.02.5 Price To Cover, Paragraph (10), Page V-16:

Delete Paragraph (10), in its entirety:

**Substitute** the following:

- (10)(a) No separate or additional payment will be made to the Contractor for furnishing, delivering, installing, restraining, bracing and removing temporary cap assemblies/bulkheads for water mains as ordered by the Engineer. The costs thereof shall be deemed included in the unit prices bid for all items of the contract.
  - (b) Payment for temporary valves (i.e. construction valves) and its associated fittings ordered by the Engineer during the course of the work to be installed will be paid for at the same rates as for valves and fittings permanently installed.
  - (c) If ordered by the Engineer, removal of valves (i.e. construction valves) and its associated fittings, including their transfer and disposal shall be deemed included in the prices bid for all items of the contract. No separate or additional payment will be made for this work.
  - (d) Payment For Temporary Connections: When new mains are laid and it becomes necessary to provide a temporary connection between the existing and new mains the following method of payment shall apply: The Contractor shall be paid once for furnishing and delivering pipes and fittings used in temporary connections. The Contractor shall also be paid for laying the temporary pipe connection and fitting using the appropriate pipe laying item for each time that the Contractor is directed to use them throughout the project as directed by the Engineer.
- (14)<u>Refer</u> to Subsection 5.04.4 Furnishing, Delivering And Installing Steel Tee, Paragraph (5), Item Numbers list, Page V-23:

<u>Delete</u> Item No. "60.23ST20T48", together with Description "FURNISHING, DELIVERING AND INSTALLING 48-INCH X 20-INCH STEEL TEE", and Pay Unit "EACH":

(15) Refer to Section 5.05 - Furnishing And Delivering Gate Valves, Page V-35:

ADDENDUM NO. 4 PROJECT ID.: HWXP136A

(A) <u>Delete</u> from **Subsection 5.05.1 - Description**, the first paragraph in its entirety: <u>Substitute</u> the following:

This specification describes furnishing and delivering of double disc 3-inch to 20-inch gate valves, resilient seated 3-inch to 20-inch gate valves and resilient seated 3-inch to 12-inch tapping valves.

Unless otherwise specified in the contract documents or ordered in writing by the Engineer, only resilient seated gate valves and tapping valves shall be furnished and delivered by the Contractor on the contract.

(B) <u>Delete</u> from **Subsection 5.05.2 - Materials**, second paragraph, first line, the words, "6-inch hydrant":

Substitute the following words, "3-inch to 20-inch":

### (16) Refer to Section 5.06 - Setting Gate Valves, Page V-38:

**(A)** <u>Delete</u> from **Subsection 5.06.1 - Description**, the first paragraph in its entirety: <u>Substitute</u> the following:

This specification describes the installation of double disc 3-inch to 20-inch gate valves, resilient seated 3-inch to 20-inch gate valves and resilient seated 3-inch to 12-inch tapping valves. It also describes the installing of manhole frames (skirts and heads) and covers.

Unless otherwise specified in the contract documents or ordered in writing by the Engineer, only resilient seated gate valves and tapping valves shall be installed by the Contractor on the contract.

(B) <u>Delete</u> from **Subsection 5.06.2 - Materials**, second paragraph, first line, the words, "6-inch hydrant":

Substitute the following words, "3-inch to 20-inch":

(17)<u>Refer</u> to Section 5.23 - Decking, Subsection 5.23.1 - Description, Page V-73: <u>Delete</u> from Subsection 5.23.1, the third paragraph in its entirety: <u>Substitute</u> the following:

Steel plates that are resting on pavement, that are not part of a decking system, and are used to temporarily span trenches and excavations for vehicular traffic and for pedestrian crossings and walkways shall not be included for payment under this decking section. The cost of all labor, materials, equipment, insurance and incidentals necessary to furnish, place, anchor and ramp these temporary steel plates, when and where directed, in order to comply with the requirements of the NYCDOT Office of Construction Mitigation and Coordination (OCMC) traffic stipulations, the directions of the Engineer, and the Contractor's construction operations shall be deemed included in the prices bid for all contract items of work.

### (18)<u>Refer</u> to Section 5.23 - Decking, Subsection 5.23.4 - Design Criteria, Page V-74: <u>Add</u> the following to Subsection 5.23.4:

- (C) The Contractor may substitute skid resistant steel plates (Non-Skid Textured Plates) for timber mats, subject to approval in accordance with **Subsection 4.05.5**. These steel plates shall be placed flush with the existing roadway and shall be installed in compliance with the requirements of **Subsection 4.05.6(G)**.
- (19)<u>Refer</u> to Standard Water Main Specifications (August 1, 2009), **Section 5.32 Final Restoration Of Pavements**, Page V-99:

Add the following to Subsection 5.32.4 - Specific Pavement Restoration Provisions:

See amended Standard Sewer Specifications (August 1, 2009) **Subsection 5.32.4 - Specific Pavement Restoration Provisions** of this addendum.

(20)<u>Refer</u> to Section 5.36 - Additional Earth Excavation Including Test Pits, Subsection 5.36.4 - Price To Cover, Paragraph (3), fifth line, Page V-114:

<u>Change</u> 16", to 16'.

END OF ADDENDUM NO. 4
This Addendum consists of twenty-five (25) pages.

NO TEXT ON THIS PAGE

# THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURE

**FEBRUARY 5, 2013** 

**PROJECT ID: HWXP136A** 

**ADDENDUM NO. 5** 

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS INCLUDING RESURFACING OF THE MAIN ROADWAY AND WIDENING OF MEDIANS FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

TOGETHER WITH ALL WORK INCIDENTAL THERETO

BOROUGH OF THE BRONX CITY OF NEW YORK

SPECIFICATIONS FOR
HANDLING, TRANSPORTATION AND DISPOSAL
OF NONHAZARDOUS AND POTENTIALLY HAZARDOUS
CONTAMINATED MATERIALS

This Addendum is issued for the purpose of amending the requirements of the Contract Documents and hereby made part of said Contract Documents to the same extent as if it was originally included herein.

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### Attachments

- New York City Department of Environmental Protection Limitations for Effluent to Storm-Sanitary or Combined Sewers Parameters
- 2. Applicable Regulations
- 3. Definitions
- 4. Phase II Subsurface Corridor Investigation Report

### ITEM 8.01 C1 HANDLING, TRANSPORTING AND DISPOSAL OF NON-HAZARDOUS CONTAMINATED SOILS

### 8.01 C1.1 WORK TO INCLUDE

<u>General</u>: This work shall consist of the handling, transportation and disposal of non-hazardous contaminated soils. The materials covered by this specification are soils that are contaminated with petroleum or chemical products but cannot be classified as hazardous waste. For the purpose of this specification, soil shall be defined as any material excavated below the pavement and base for pavement.

Non-hazardous contaminated soils are defined as soils exhibiting one or more of the following characteristics:

- ♦ Elevated Photo-Ionization Detector (PID) readings, subsequently confirmed by lab analysis
- ♦ Visual evidence of contamination
- Petroleum and/or chemical odors
- Soils that have been documented as contaminated in previous environmental reports

Non-hazardous contaminated soils must be stockpiled at an off-site approved location or secured onsite by the Contractor, meeting all required Federal, State and Local stipulations. Sampling and laboratory analysis must be conducted to determine if the soils are hazardous, unless the alternative procedure as defined under subsection 8.01 C1.1 A.5 has been agreed upon by treatment facilities. Contaminated soils determined to be non-hazardous shall be handled in accordance with the specifications herein for Item 8.01 C1. Contaminated soils determined to be hazardous shall be handled in accordance with the specifications for Item 8.01 H – Handling, Transporting and Disposal of Hazardous Soils.

The Contractor shall retain the services of an independent Environmental Consultant, as specified under Item 8.01 S – Health and Safety, to oversee the work required under this Item.

Non-hazardous soils shall be delivered to the disposal or treatment facility within thirty (30) calendar days after excavation.

The Contractor shall conduct sampling and analysis of the impacted soils as specified under Item 8.01 C2 – Sampling and Testing of Contaminated/Potentially Hazardous Soils for Disposal Parameters. The laboratory results shall be forwarded to DDC Program Administration, Engineering Support Services (ESS) for review to determine if the soils will be handled and disposed of as contaminated regulated soils or hazardous waste. No other soils shall be sampled or tested without the DDC's approval or direction.

The Contractor shall ensure that all operations associated with the handling, sampling, loading, transportation, and disposal of non-hazardous contaminated soils are in compliance with all applicable Federal, State, and City statutes and regulations.

The Contractor shall document the excavation, handling, transportation and disposal of non-hazardous contaminated soils. The Contractor shall supply all equipment, material and labor required to conduct the specified work of this Item.

A. <u>Material Handling Plan</u>: Within forty-five (45) calendar days after award of Contract, the Contractor shall submit to the Program Administration, ESS for review, a Material Handling Plan (MHP). The MHP must be approved by the Program Administration, ESS, prior to the Contractor's commencement of work. The MHP shall, at a minimum, consist of:

- 1. The Contractor's procedures for identifying non-hazardous contaminated soils during excavation, including the specific model and manufacturer of intended organic vapor monitoring equipment and calibration procedures to be used. It should also include the training and experience of the personnel who will operate the equipment.
- 2. The Contractor's procedures for safely handling non-hazardous contaminated soils. The procedures must include personnel safety and health as well as environmental protection considerations.
- 3. Name, address, New York State Department of Health's (DOH) Environmental Laboratories Accreditation Program (ELAP) status and telephone number of the proposed laboratory for analysis of representative soil samples. The ELAP for the intended analysis must approve the laboratory.
- 4. Identification of the Contractor's proposed waste transporter(s). This information shall include:
  - a. Name and Waste Transporter Permit Number
  - b. Address
  - c. Name of responsible contact for the hauler
  - d. Telephone number for the contact
  - e. Any and all necessary permit authorizations for each type of waste transported
  - f. Previous experience in performing the type of work specified herein
- 5. All staging/stockpiling areas (if stockpiling areas are intended and available), or alternate procedures that will be used. Alternate procedures may include, but are not limited to, agreements from the intended disposal or treatment facilities to accept boring data and/or analytical data previously obtained during the site characterization so that materials may be directly loaded into vehicles for shipment to the disposal facility.
- 6. A backup facility should the staging/stockpile areas become unavailable, insufficient in area or not be present by some other unforeseen difficulty.
- 7. Identification of the Contractor's two proposed Treatment Storage or Disposal (TSD) facilities for non-hazardous contaminated soils (primary and back-up) for final disposal of the soils. The primary TSD shall be an approved soil recycling/treatment facility. The backup facility may be a recycling/treatment facility or a New York State Department of Environmental Conservation (DEC) approved lined landfill or other facility approved by DEC to accept this material. The information required for each facility shall include:
  - a. Facility name and the State identification number
    - (1) Facility location
    - (2) Name of responsible contact for the facility
    - (3) Telephone number for contact
    - (4) Signed letter of agreement to accept waste as specified in this contract
    - (5) Unit of measure utilized at facility for costing purposes
  - b. A listing of all permits, licenses, letters of approval, and other authorizations to operate, which are currently held and valid for the proposed facility.

- c. A listing of all permits, licenses, letters of approval, and other authorizations to operate which have been applied for by the proposed facility but not yet granted or issued.
- d. The Contractor shall specify and describe the disposal/containment unit(s) that the proposed facility will use to manage the waste. The Contractor shall identify the capacity available in the units and the capacity reserved for the subject waste.
- e. The Contractor shall provide the date of the proposed facility's last compliance inspection.
- f. A list of all active (unresolved) compliance orders (or agreements), enforcement notices, or notices of violations issued to the proposed facility shall be provided. The source and nature of the cause of violation shall be stated, if known.
- 8. Description of all sampling and field/laboratory analyses that will be needed to obtain disposal facility approval.

#### 8.01 C1.2 MATERIALS

- A. Containers shall be as required in the United State Department of Transportation (DOT) regulations.
- B. Polyethylene to be placed under (20 mil. thickness minimum) and over (10 mil. thickness minimum) soil piles.
- C. The Contractor shall assure that the waste hauler's appropriate choice of vehicles and operating practices shall prevent spillage or leakage of contaminated material from occurring en route.
- D. The Contractor shall provide, install and maintain any temporary loading facilities on site as required until completion of material handling activities. The location and design of any facilities shall be included in the MHP and be approved by the Program Administration, ESS.

### 8.01 C1.3 CONSTRUCTION DETAILS

### A. Material Handling

- 1. Immediately after excavation of non-hazardous contaminated soil the Contractor shall:
  - a. Load material directly onto trucks/tankers/roll offs for disposal off site; or
  - b. If interim stockpiling is required, place on a minimum of 20 mil. or equivalent plastic ground cloth and cover by minimum of 10 mil. polyethylene sheeting or equivalent to protect against leaching or runoff of contaminants into groundwater or stormwater. Weight or secure the sheeting by appropriate means and seal seams as approved by the DDC to prevent tearing or removal by weather. Grade surrounding surface to provide for positive drainage away from pile. Stockpile shall not exceed 100 cubic yards.
- 2. Institute appropriate procedures and security measures to ensure the protection of site personnel and the public from contaminated materials as described in the approved MHP and Item 8.01 S Health and Safety.
- 3. Any soil encountered that appears to contain unknown contaminants (based on visual, odor, or other observation), or that vary substantially from the material originally

- identified must be segregated in stockpiles and the independent Environmental Consultant promptly notified. Construct stockpiles to the same requirements as stated in subsection A.1.b above.
- 4. Provide any dewatering that is necessary to complete the work. Contaminated water shall be disposed of in accordance with Item 8.01 W1 Removal, Treatment and Discharge/Disposal of Contaminated Water.
- 5. Provide and operate field organic vapor test equipment, a PID or a flame ionization detector (FID), to detect general organic vapor levels at intervals of approximately fifty (50) cubic yards of soil excavated, when visual or odor observations indicate the material may substantially differ from the soil previously excavated and/or as directed by the independent Environmental Consultant.

### B. Off-Site Transportation to Disposal or Treatment Facility

#### 1. General

- a. The Contractor shall furnish all labor, equipment, supplies and incidental costs required to transport contaminated material from the work area to the off-site disposal or treatment facility, and any other items and services required for transporting contaminated material for disposal at an off-site facility.
- b. The Contractor shall submit the name and location of the facility where an off-site scale is located. The Contractor shall also submit a plan to the DDC for review outlining procedures on controlling trucks leaving the work site and en-route to the off-site scale. The Contractor shall be responsible for tracking all material/vehicles from the site to the off-site scale.
- c. The Contractor shall provide to the DDC certified tare and gross weight slips for each load received at the accepted facility which shall be attached to each returned manifest.
- d. The Contractor shall coordinate the schedule for truck arrival and material deliveries at the job site to meet the approved project schedule.
- e. The Contractor shall inspect all vehicles leaving the project site to ensure that contaminated soils adhering to the wheels or undercarriage are removed prior to the vehicle leaving the site.
- f. The Contractor shall obtain letters of commitment from the waste haulers and the treatment, disposal or recovery facility to haul and accept shipments. The letter shall indicate agreement to handle and accept the specified estimated quantities and types of material during the time period specified in the project schedule and any time extension as deemed necessary.
- g. The Program Administration, ESS shall review and approve waste profiles before transportation to the TSD facility.

### 2. Hauling

a. The Contractor shall coordinate manifesting, placarding of shipments, and vehicle decontamination. All quantities shall also be measured and recorded upon arrival at the disposal or treatment facility. If any deviation between the two records occurs, the matter is to be reported immediately to the DDC and to be resolved by the Contractor to the satisfaction of the DDC.

- b. The Contractor shall be held responsible, at its own cost for any and all actions necessary to remedy situations involving material spilled in transit or mud and dust tracked off-site.
- c. The Contractor shall ensure that trucks are protected against contamination by properly covering and lining them with compatible material (such as polyethylene) or by decontaminating them prior to and between acceptances of loads.
- d. The Contractor shall be responsible for inspecting the access routes for road conditions, overhead clearance, and weight restrictions.
- e. The Contractor shall only use the transporter(s) identified in the MHP for the performance of work. Any use of substitute or additional transporters must have previous written approval from the Program Administration, ESS at no additional cost to the City.
- f. The Contractor shall develop, document, and implement a policy for accident prevention.
- g. The Contractor shall not combine contaminated materials from other projects with material from this project.
- h. No material shall be transported until approved by the DDC.

### 3. Off-Site Disposal

- a. The Contractor shall use only the facility(ies) identified in the MPH for the performance of the work. Substitutions or additions shall not be permitted without prior written approval from the Program Administration, ESS, and if approved shall be at no extra cost to the City.
- b. The Contractor shall be responsible for acceptance of the materials at an approved facility, for ensuring that the facility is properly permitted to accept the stated materials, and that the facility provides the stated treatment and/or disposal services.
- c. The DDC reserves the right to contact and visit the disposal or treatment facility and regulatory agencies to verify the agreement to accept the stated materials and to verify any other information provided.
- d. In the event that the identified and approved facility ceases to accept the stated materials or the facility ceases operations, it is the Contractor's responsibility to locate an alternate approved and permitted facility(ies) for accepting materials. The alternate facility(ies) must be approved in writing by the DDC in the same manner and with the same requirements as for the original facility(ies). This shall be done at no extra cost or delay to the City.
- e. The Contractor shall obtain manifest forms, and complete the shipment manifest records required by the appropriate regulatory agencies for verifying the material and quantity of each load in unit of volume and weight. Copies of each manifest shall be submitted to the DDC within four (4) business days following shipment, and within three (3) business days after notification of receipt of the facility. Any manifest discrepancies shall be reported immediately to the DDC and be resolved by the Contractor to the satisfaction of the DDC.

### 4. Equipment and Vehicle Decontamination

a. The Contractor shall design and construct a portable decontamination station to be

- used to decontaminate equipment and vehicles exiting from the exclusion zone. The cost for this work will be paid under Item 8.01 S Health and Safety.
- b. Water generated during the decontamination process shall be disposed of in accordance with Item 8.01 W1 Removal, Treatment and Discharge/Disposal of Contaminated Water.

### 8.01 C1.4 METHOD OF MEASUREMENT

Quantities for non-hazardous contaminated soils shall be measured in tons. The tonnage will be determined by off-site truck scales, as per Subsection 8.01 C1.3.B1, that are capable of generating load tickets.

### 8.01 C1.5 PRICE TO COVER

- A. The unit bid price bid per ton for Item 8.01 C1 shall include the cost of furnishing all labor, materials, plant, equipment, and insurance for excavation, handling, transportation, disposal, documentation, fees, permits, loading, stockpiling, hauling, and any other incidentals necessary to complete all the work as specified herein for handling, transporting, and disposal of non-hazardous contaminated soil.
- B. Final disposal of hazardous soil shall be paid for under Item 8.01 H Handling, Transporting and Disposal of Hazardous Soils. Disposal of decontamination water shall be paid for under Item 8.01 W1 Removal, Treatment and Discharge/Disposal of Contaminated Water.
- C. Backfill will be paid for under its respective item as specified in the contract document.
- D. The independent Environmental Consultant shall be paid under Item 8.01 S Health and Safety.

Payment will be made under:

ITEM NUMBER	ITEM	PAYMENT UNIT
8.01 C1	Handling, Transporting, and Disposal of Non-Hazardous Contaminated Soil	Tons

# ITEM 8.01 C2 SAMPLING AND TESTING OF CONTAMINATED/ POTENTIALLY HAZARDOUS SOIL FOR DISPOSAL PARAMETERS

### 8.01 C2.1 WORK TO INCLUDE

### A. Description

The work shall consist of collecting and analyzing representative soil samples for parameters typically requested by the disposal facilities.

### B. Sampling and Laboratory Analysis

- 1. At least thirty (30) days prior to the commencement of work, the Contractor's independent Environmental Consultant must submit a Soil Sampling Plan/Field Sampling Plan (SSP/FSP) to the Program Administration, Engineering Support Services (ESS) for review and approval. The plan shall include the name, address, DOH's ELAP status, and telephone numbers of the proposed laboratory. The plan shall also include training and experience of the personnel who will collect the samples.
- 2. Contractor shall sample and analyze representative samples of the contaminated/potentially hazardous soils. For stockpiled soils, the Contractor shall collect and analyze one (1) composite sample per 100 cubic yards or fraction thereof. Each composite sample shall consist of a minimum of five (5) grab samples collected from greater than two (2) feet below the soil surface. For drummed soil, the Contractor shall collect one (1) composite sample per (ten) 10 drums or fraction thereof. Each composite sample shall consist of a grab sample from each of the ten (10) drums or fraction thereof. Each composite sample shall be analyzed for Resource Conservation and Recovery Act (RCRA) hazardous waste characteristics (Ignitability, Reactivity, Corrosivity), Full Toxicity Characteristic Leaching Procedure (TCLP) (including RCRA metals, volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), pesticides, herbicides), Total Petroleum Hydrocarbons (TPH) and Polychlorinated Biphenyls (PCBs). All samples collected should be analyzed on a rush four (4) calendar days turn around time and analytical results must be submitted to Program Administration, ESS within five (5) calendar days after sample collection.
- 3. All sampling shall be conducted by a person trained in sampling protocols using standard accepted practices for obtaining representative samples.
- 4. The Contractor must also contact the disposal facility where the waste will be sent for permanent disposal, and arrange to collect any additional samples required by the facility. The cost associated with additional sampling and testing shall be included in the bid price of this Item.
- 5. The quality of the data from the sampling program is the Contractor's responsibility. The Contractor must furnish all qualified personnel, equipment and instruments necessary to carry out the sampling. Unless directed otherwise, all sampling procedures must follow the DEC sampling guidelines and protocols.
- 6. All sample containers shall be marked and identified with legible sample labels which shall indicate the project name, sample location and/or container, the sample number, the date and time of sampling, preservatives utilized and other information that may be useful in determining the character of the sample. Chain-of-custody shall be tracked from laboratory issuance of sample containers through laboratory receipt of the samples.

- 7. The Contractor shall maintain a bound sample logbook. The Contractor shall provide DDC access to it at all times and shall turn it over to the DDC in good condition at the completion of the work. The following information, as a minimum shall be recorded to the log:
  - 1. Sample identification number
  - 2. Sample location
  - 3. Field observation
  - 4. Sample type
  - 5. Analyses
  - 6. Date/time of collection
  - 7. Collector's name
  - 8. Sample procedures and equipment utilized
  - 9. Date sent to laboratory and name of laboratory
- 8. The City reserves the right to direct the Contractor to conduct alternative sampling in lieu of the parameters described in subsection B2, if the situation warrants. The substitute sampling parameters shall be of equal or lesser monetary value than those described in subsection B2, as determined by industry laboratory pricing standards.
- 9. Only dedicated sampling equipment may be used to collect these samples. All equipment involved in field sampling must be decontaminated before being brought to the sampling location, and must be properly disposed after use.
- 10. Soils exceeding any of the hazardous characteristic criteria meet the legal definition of hazardous soils (rather than non-hazardous contaminated soils) and shall be transported or disposed of under Item 8.01 H Handling, Transporting and Disposal of Hazardous Soils. All analyses must be done by a laboratory that has received approval from the ELAP for the methods to be used. The Contractor must specify the laboratory in the MHP.

### 8.01 C2.2 METHOD OF MEASUREMENT

Quantities for samples shall be measured as the number of sets of samples that are tested. A set shall be defined as one (1) composite sample analyzed for the full range of parameters as specified in subsection B2.

### 8.01 C2.3 PRICE TO COVER

The unit price bid per set for Item 8.01 C2 shall include the cost of furnishing all labor materials, plant, equipment, and insurance necessary for sampling, handling, transporting, testing, documentation, fees, permits and any other incidentals necessary to complete the work as specified herein for sampling and testing of contaminated/potentially hazardous soil.

Payment will be made under:

ITEM NUMBER	ITEM	PAYMENT UNIT
8.01 C2	Sampling and Testing of Contaminated/ Potentially Hazardous Soil for Disposal Parameters	Set

### ITEM 8.01 H HANDLING, TRANSPORTING, AND DISPOSAL OF HAZARDOUS SOILS

### 8.01 H.1 WORK TO INCLUDE

<u>General</u>: This work shall consist of the handling, transportation and disposal of soils or materials that are listed as hazardous wastes or exhibit any of the characteristics of a hazardous waste, namely ignitability, corrosivity, reactivity, and toxicity, as defined in 6 NYCRR Part 371, Section 371.3 and 40 CFR Section 261. For the purpose of this specification, soils shall be defined as any materials excavated below the pavement and base for pavement.

Contaminated soils determined to be hazardous under Item 8.01 C2 shall be handled, transported, and disposed of under Item 8.01 H in accordance with the specifications herein.

The independent Environmental Consultant retained by the Contractor, as specified under Item 8.01 S – Health and Safety, shall conduct sampling and analysis of above soils to determine which soils are hazardous.

All work under Item 8.01 H shall be performed under the direct supervision of the Contractor's Environmental Consultant, as approved by the Program Administration, Engineering Support Services (ESS).

The Contractor shall ensure that all operations associated with the handling, sampling, loading, transportation, and disposal of hazardous materials are in compliance with the applicable Federal, State, and Local statutes and regulations.

The Contractor shall document the excavation, handling, sampling, and testing, transportation and disposal of hazardous soils. The City shall be listed in the disposal documents as the waste generator.

The Contractor shall supply all equipment, material and labor required to conduct the specified work of this section.

The Contractor shall ensure that all operations associated with the handling, sampling, loading, transportation and disposal of hazardous soils are conducted in a manner to protect site personnel, the public and the environment, in accordance with all applicable Federal, State, and Local laws and regulations.

The Contractor shall decontaminate all equipment prior to its removal from the exclusion zone and/or following contact with hazardous materials, as detailed in Item 8.01 S - Health and Safety. Water generated during the decontamination process shall be disposed of under Item 8.01 W1 – Removal, Treatment and Discharge/Disposal of Contaminated Water.

- A. <u>Material Handling Plan</u>: Within forty-five (45) calendar days after award of Contract, the Contractor shall submit to the Program Administration, ESS for review, a Material Handling Plan (MHP). The MHP must be approved by the Program Administration, ESS, prior to the Contractor's commencement of work. The MHP shall, at a minimum, consist of:
  - 1. The Contractor's procedures for identifying contaminated/potentially hazardous soils during excavation, including instrumentation and calibration procedures to be used.
  - 2. The Contractor's procedures for safely handling hazardous soils or soils which have not yet been tested but are believed to be potentially hazardous.
  - 3. Identification of the Contractor's proposed waste transporter(s). This information shall include:
    - a. Name and waste transporter permit number

- b. Address
- c. Name of responsible contact for the hauler
- d. Telephone number for the contact
- e. Any and all necessary permit authorizations for each type of waste transported
- f. Previous experience in performing the type of work specified herein
- 4. All staging/stockpiling areas (if stockpiling areas are intended and available), or alternate procedures that will be used. Alternate procedures could include, but are not limited to, agreements from the intended disposal or treatment facilities to accept boring data and/or analytical data previously obtained during the site characterization so that materials may be directly loaded into vehicles for shipment to the disposal facility or the use of off-site stockpiling locations approved by the DEC.
- 5. A backup facility, should the staging/stockpile areas become unavailable, insufficient in area or not be present by some other unforeseen difficulty.
- 6. Identification of the Contractor's two proposed United State Environmental Protection Agency (EPA) or DEC approved RCRA TSD facilities for hazardous soils.
- 7. The Contractor shall submit the following information prior to any transportation of soils regarding the temporary and final off-site TSD or facilities where it is proposing to take hazardous soils. The expense of furnishing all information will be included in the Contractor's bid price:
  - a. General Information
    - (1) Facility name and the EPA identification number
    - (2) Facility location
    - (3) Name of responsible contact for the facility
    - (4) Telephone number for contact
    - (5) Signed letter of agreement to accept waste as specified in this contract
    - (6) Signed letter of agreement with a TSD for disposal of waste that may not be land-disposed
    - (7) Unit of measure utilized at each facility for costing purposes
  - b. A listing of all permits, licenses, letters of approval, and other authorizations to operate, which are currently held and valid for the proposed facility as they pertain to receipt and management of wastes derived from this Contract.
  - c. A listing of all permits, licenses, letters of approval, and other authorizations to operate which have been applied for by the proposed facility.
  - d. The Contractor shall specify and describe the disposal/containment unit(s) that the proposed facility will use to manage the waste. The Contractor shall identify the capacity available in the units and the capacity reserved for the subject waste.
  - e. The Contractor shall provide the date of the proposed facility(ies) last compliance inspection under RCRA.

- f. A list of all active (unresolved) compliance orders, agreements, enforcement notices or notices of violations issued to the proposed facility shall be approved. The source and nature of the cause of violation shall be stated, if known.
- 8. Description of all sampling and analyses that will be needed to obtain disposal facility approval.

### 8.01 H.2 MATERIALS

- A. Containers shall be watertight as required in the DOT regulations and must meet all applicable regulations including but not limited to those in Attachment 2.
- B. Polyethylene (20 mil. thickness minimum) to be placed under and (10 mil. thickness minimum) over soil piles. If soils are placed in drums, polyethylene must be placed over the drums.

#### 8.01 H1.3 CONSTRUCTION DETAILS

### A. Material Handling

- The Contractor shall institute procedures to protect site personnel and the public from the non-hazardous and hazardous materials as described in Section 8.01 S - Health and Safety.
- 2. The Contractor shall handle hazardous soil as approved in the MHP.
- 3. Stockpiled materials at the temporary TSD facility shall be handled according to the facility requirements but at a minimum: shall be drummed or placed on and covered with polyethylene to protect against erosion and leaching into surrounding soils, the stockpile area shall be graded for positive drainage away from the pile, and shall be labeled while being held for sampling prior to permanent disposal.
- 4. Provide any dewatering that is necessary to complete the work. Water shall be disposed of in accordance with Item 8.01 W1 Removal, Treatment and Discharge/Disposal of Contaminated Water.

### B. Off-Site Transportation and Disposal

1. The Contractor shall furnish all labor, equipment and supplies required to transport hazardous materials from the work area to the off-site TSD facility(ies) and to acquire any other items and services required for transporting hazardous materials for storage and/or disposal at an approved off-site facility.

### 2. Weight Measurement

- a. The Contractor shall submit the name and location of the facility where an off-site scale is located. The Contractor shall also submit a plan to the DDC for review outlining procedures on controlling trucks leaving the work site and on-route to the off-site scale. The Contractor shall be responsible for tracking all materials/vehicles from the site to the off-site scale.
- b. The Contractor shall provide to the DDC certified tare and gross weight slips for each load received at the accepted facility which shall be attached to each returned manifest.

### 3. General

- a. Manifests: The Contractor shall organize and maintain the material shipment records/manifests required by law.
- b. The Contractor shall coordinate the schedule for truck arrival and material deliveries at the job site to meet the approved project schedule. The schedule shall be compatible with the availability of equipment and personnel for material handling at the job site.
- c. The Contractor shall inspect all vehicles leaving the project site to ensure that hazardous soils adhering to the wheels or under carriage are removed prior to the vehicle leaving the site.
- d. The Contractor shall obtain letters of commitment from the waste haulers and the TSD facility to haul and accept shipments. The letter shall indicate agreement to handle and accept the specified estimated quantities and types of material during the time period specified in the project schedule and any time extension as deemed as necessary.

### 4. Hauling

- a. The Contractor shall not deliver waste to any facility other than the TSD facility(ies) listed on the shipping manifest.
- b. The Contractor shall coordinate manifesting, placarding, of shipments, and vehicle decontamination. All quantities shall also be measured and recorded upon arrival at the TSD facility. If any deviation between the two records occurs, the matter is to be reported immediately to the DDC and to be resolved by the Contractor to the satisfaction of the DDC.
- c. The Contractor shall be held responsible, at its own expense, for any and all actions necessary to remedy situations involving material spilled in transit or mud and dust tracked off-site.
- d. The Contractor shall ensure that trucks are protected against contamination by properly covering and lining them with compatible material (such as polyethylene) or by decontaminating them prior to any use other than hauling hazardous materials.
- e. The Contractor shall be responsible for inspecting the access routes for road conditions, overhead clearance, and weight restrictions.
- f. The Contractor shall only use the transporter(s) identified in the MHP for the performance of work. Only a transporter with a current Part 364 Waste Transporter Permit from the DEC may transport this material. Any use of substitute or additional transporters must have previous written approval from the DDC at no additional cost to the City.
- g. The Contractor shall develop, document, and implement a policy for accident prevention.
- h. The Contractor shall not combine hazardous materials from other projects with material from this project.
- i. The Contractor shall obtain for the City an EPA hazardous waste generator identification number and a representative of Program Administration, ESS will review and sign the manifest as the generator.

j. No materials shall be transported until approved by the DDC.

### 5. Off-Site Disposal

- a. The Contractor shall be responsible for acceptance of the materials at an approved TSD facility, for ensuring that the facility is properly permitted to accept the stated materials, and that the facility provides the stated storage and/or disposal services.
- b. In the event that the identified and approved facility ceases to accept the stated materials or the facility ceases operations, it is the Contractor's responsibility to locate an alternate approved and permitted facility(ies) for accepting materials. The Contractor is responsible for making the necessary arrangements to utilize the facility(ies), and the alternate facility(ies) must be approved in writing by the DDC in the same manner and with the same requirements as for the original facility(ies). This shall be done with no extra cost or delay to the City.
- c. The Contractor shall submit all results and weights to the DDC.
- d. The Contractor is responsible to pay <u>all fees</u> associated with the generation and disposal of all excavated hazardous waste. These fees include, but are not limited to, the <u>New York State Department of Finance and Taxation (DFT) quarterly fees</u> for hazardous waste and the <u>New York State DEC annual hazardous waste regulatory fee program</u>. The Contractor shall submit a copy of proof of payment to the DDC and Program Administration, ESS.
- 6. Equipment and Vehicle Decontamination

The Contractor shall design and construct a portable decontamination station to be used to decontaminate equipment and vehicles exiting from the exclusion zone. The cost for this work shall be paid under Item 8.01 S - Health and Safety. Disposal of decontamination liquids is described under Item 8.01 W1 - Removal, Treatment and Discharge/Disposal of Contaminated Water.

### 7. Record Keeping

The Contractor shall obtain manifest forms, and complete the shipment manifest records required by the appropriate regulatory agencies for verifying the material and quantity of each load in unit of volume and weight. Copies of each manifest shall be submitted to the DDC within four (4) business days following shipment, and within three (3) business days after notification of receipt of the facility. Any manifest discrepancies shall be reported immediately to the DDC and be resolved by the Contractor to the satisfaction of the DDC.

### 8.01 H.4 METHOD MEASUREMENT

Quantities for hazardous soil shall be measured in tons satisfactorily delivered to the treatment, storage or disposal facility. The tonnage will be determined by off-site truck scales, as per subsection 8.01 H1.3.B.2, that are capable of generating load tickets.

### 8.01 H.5 PRICE TO COVER

A. The unit price bid per ton for Item 8.01 H shall include the cost of furnishing all labor, materials, plant, equipment, and insurance for excavation, handling, transportation, disposal, documentation, permits, fees, taxes, stockpiling, hauling, and any other incidentals necessary to

- complete the work as specified herein for handling, transporting and disposal of hazardous soils.
- B. Final disposal of non-hazardous materials shall be paid for under Item 8.01 C1 Handling, Transporting and Disposal of Non-Hazardous Soils. Disposal of decontamination water shall be paid under Item 8.01 W1 Removal, Treatment and Discharge/Disposal of Contaminated Water.
- C The independent Environmental Consultant shall be paid under Item 8.01 S Health and Safety.
- D. Backfill will be paid for under its respective item.

Payment will be made under:

ITEM NUMBER	ITEM	PAYMENT UNIT
8.01 H	Handling, Transporting, and Disposal of Hazardous Soils	Tons

### ITEM 8.01 S HEALTH AND SAFETY

### 8.01 S.1 WORK TO INCLUDE

### Health and Safety Requirements

### A. Scope of Work

It is the Contractor's responsibility to stage and conduct his work in a safe manner. The Contractor shall implement a Health and Safety Plan (HASP) for contaminated/hazardous soil intrusive activities as set forth in Occupational Safety and Health Administration (OSHA) Standards 1910.120 and 1926.650-652. The Contractor shall ensure that all workers have at a minimum hazard awareness training. The Contractor shall segregate contaminated work area in secured exclusion zones. These zones shall limit access to Contractor personnel specifically trained to enter the work area. The exclusion zone shall be set up to secure the area from the public and untrained personnel. The project health and safety program shall apply to all construction personnel including persons entering the work area. In addition, the Contractor shall protect the public from on-site hazards, including subsurface contaminants associated with on-site activities. The HASP shall be signed off by a Certified Industrial Hygienist and reviewed by Program Administration, Engineering Support Services (ESS).

Work shall include, but not be limited to:

- 1. Implementation of a baseline medical program.
- 2. Providing safety equipment and protective clothing for site personnel, including maintenance of equipment on a daily basis; replacement of disposable equipment as required; decontamination of clothing, equipment and personnel; and providing all other health and safety measures.
- 3. Providing, installing, operating and maintaining on-site emergency medical first aid equipment as specified in this section for which payment is not provided under other pay items in this Contract.
- 4. Providing, installing, operating, maintaining and decommissioning all equipment and personnel decontamination facilities specified within this section, including, but not limited to, the decontamination pad, decontamination water supply, decontamination water collection equipment and all other items and services required for the implementation of the health and safety requirements for which pay items are not provided elsewhere in this Contract.
- 5. Provide the minimum health and safety requirements for excavation activities within the limits of this Contract.
- 6. Implement and enforce a HASP: The HASP as presented in these specifications is dynamic with provisions for change to reflect new information, new practices or procedures, changing site environmental conditions or other situations which may affect site workers and the public. The HASP will also address measures for community protection, accident prevention, personnel protection, emergency response/contingency planning, air monitoring, odor control and hazardous chemicals expected on site. Providing a Confined Space Entry Program as defined in the Occupational Safety and Health Act, Confined Space Entry Standard, 29 CFR 1910.146.

### B. <u>Environmental Consulting Services</u>

The Contractor shall retain an independent Environmental Consultant to obtain all permits and perform all field screening, air monitoring, community air monitoring, soil sampling, and health and safety services. The independent Environmental Consultant shall at a minimum provide documentation to the Program Administration, ESS demonstrating the minimum requirements as set forth below:

- 1. The independent Environmental Consultant project supervisor on site and other designated key personnel shall have a minimum of three (3) years experience in the environmental field dealing with issues associated with contaminated soils. Such experience shall include oversight on environmental, specifically volatile organic compound and dust monitoring services as a routine part of its daily operations.
- 2. The independent Environmental Consultant must be experienced in work of this nature, size, and complexity and must have previous experience in working with the DEC.
- 3. The independent Environmental Consultant shall furnish a project listing identifying the location, nature of services provided, owner, owner's contact, contact's telephone number, project duration and value for at least five (5) projects within the last three (3) years.
- 4. If conditions within the exclusion zone are deemed hazardous, then the Contractor and its independent Environmental Consultant shall ensure that all personnel working within identified exclusion zones and/or involved (direct contact) with the handling, storage or transport of hazardous and contaminated materials shall have completed a minimum of forty (40) hours of Health and Safety Training on Hazardous Waste Sites in accordance with 29 CFR 1910.120(e). The training program shall be conducted by a qualified safety instructor. If conditions in the exclusion zone are deemed to be non-hazardous, the independent Environmental Consultant shall provide site specific training.
- 5. The Contractor shall ensure that on-site management and supervisors directly responsible for or who supervise employees engaged in hazardous waste operations shall receive the training specified in above and at least eight (8) additional hours of specialized training on managing such operations at the time of job assignment.

### C. Submittals

- 1. The Contractor shall submit, within forty-five (45) calendar days after the contract award, a written HASP as specified herein, to Program Administration, ESS for review and comment. The Contractor shall make all necessary revisions required by Program Administration, ESS and resubmit the HASP to the Program Administration, ESS for acceptance. Start-up work for the project will not be permitted until written acceptance has been issued by the Program Administration, ESS.
- 2. Daily safety logs shall be maintained by the Contractor and shall be submitted to the DDC either on request or on completion of the work. Training logs shall be maintained by the Contractor and submitted to the DDC either on request or on completion of the work. Daily logs on air monitoring during excavation activities shall be prepared and maintained by the Contractor and submitted to the DDC either on request or upon completion of the work.
- A closeout report shall be submitted by the Contractor to the DDC upon completion of
  the work within the defined exclusion zones. This report shall summarize the daily
  safety and monitoring logs and provides an overview of the Contractor's performance

- regarding environmental and safety issues. The report shall carefully document all areas where contamination has been found including pictures, addresses of locations, and potential sources.
- 4. Medical Surveillance Examinations: The Contractor shall submit to the DDC the name, office address and telephone number of the medical consultant utilized. Evidence of baseline medical examinations together with the evidence of the ability to wear National Institute for Occupational Safety and Health (NIOSH) approved respirators (as specified in American National Standards Institute (ANSI) Z88.6) shall be provided to the DDC for all construction personnel who are to enter the exclusion zones.
- 5. Accident Reports: All accidents, spills, or other health and safety incidents shall be reported to the DDC.

### D. Health and Safety Plan

The HASP shall comply with OSHA regulations 29 CFR 1910.120/1926.65. This document shall at a minimum contain the following:

- 1. Description of work to be performed
- 2. Site description
- 3. Key personnel
- 4. Worker training procedures
- 5. Work practices and segregation of work area
- 6. Hazardous substance evaluation
- 7. Hazard assessment
- 8. Personal and community air monitoring procedures and action levels
- 9. Personal protective equipment
- 10. Decontamination procedures
- 11. Safety rules
- 12. Emergency procedures
- 13. Spill control, dust control, vapor/odor suppression procedures
- 14. Identification of the nearest hospital and route
- 15. Confined space procedures
- 16. Excavation safety procedures

### 8.01 S.2 MEASUREMENT

### Health and Safety Requirements

A. 25% of the lump sum price will be paid when the following items are implemented or mobilized:

Medical surveillance program

Health and safety training

Health and safety plan

Environmental and personnel monitoring

Instrumentation

Spill control

Dust control

Personnel and equipment decontamination facilities

Personnel protective clothing

Communications

Mobilization

- B. 50% will be paid in proportional monthly amounts over the period of work.
- C 25% will be paid when the operation is demobilized and removed from the project site.

### 8.01 S.3 PRICE TO COVER

### Health and Safety Requirements

The lump sum price bid for the health and safety requirements shall include all labor, materials, equipment, and insurance necessary to complete the work in accordance with these specifications. The price bid shall include, but not be limited to, the following:

- A. Providing training, safety personnel, air monitoring and medical examinations as specified.
- B. Providing safety equipment and protective clothing for site personnel, including maintenance of equipment on a daily basis; replacement of disposable equipment as required; decontamination of clothing, equipment and personnel; and all other health and safety activities or costs not paid for under other pay items in this Contract.
- C. Providing, installing, operating and maintaining on-site emergency medical and first aid equipment. This includes all furnishings, equipment, supplies and maintenance of all medical equipment, and all other health and safety items and services for which payment is not provided under other pay items in this Contract.
- D. Providing, installing, operating, maintaining, and decommissioning all personnel and equipment decontamination facilities, including decontamination pad, decontamination water supply, and all other items and services required for the implementation of the health and safety requirements for which pay items are not provided elsewhere in this Contract. Vehicle decontamination pads shall be included in the price of this item. Disposal of decontamination fluid shall be paid for under Item 8.01 W1 Removal, Treatment and Discharge/Disposal of Contaminated Water.

### E. Spill Control

- 1. Payment shall account for furnishing, installing, and maintaining all spill control equipment and facilities. Payment will include equipment and personnel to perform emergency measures required to contain any spillage and to remove spilled materials and soils or liquids that become contaminated due to spillage during work within the exclusion zones and handling of excavated soils and liquids from these areas. This collected spill material will be properly disposed of.
- 2. Payment under this item shall not include testing, handling, transportation or disposal of petroleum-contaminated/potentially hazardous soils excavated during construction. The price for this work will be paid for under Items 8.01 C1 Handling, Transporting and Disposal of Non-Hazardous Contaminated Soils, 8.01 C2 Sampling and Testing of Contaminated/Potentially Hazardous Soil for Disposal Parameters or 8.01 H Handling, Transporting and Disposal of Hazardous Soils, as appropriate.

### F. Dust Control

Payment shall account for furnishing, installing, and maintaining dust control equipment and facilities to be used whenever applicable dust levels are exceeded. Payment will include all necessary labor, equipment, clean water, foam, and all other materials required by the Dust Control Plan. The DOH Community Air Monitoring Plan (CAMP) may be used as guidance.

### G. Vapor/Odor Suppression

Payment shall account for furnishing, installing and maintaining vapor/odor control equipment and facilities to be used whenever organic vapor monitoring or the presence of odors indicates that vapor suppression is required to protect workers or the public. Payment will include all necessary labor, equipment, clean water, foam and all other materials required by the Vapor/Odor Suppression Plan.

### H. Mobilization/Demobilization

#### 1. Mobilization

Payment shall include but not be limited to:

- a. All work required to furnish, install and maintain all signs, fencing, support zone facilities, parking areas and all temporary utilities;
- b. All work required to furnish, install, and maintain an office space with phone and utilities for health and safety personnel;
- c. All work required for complete preparation of lay down area for roll-off containers, including sampling, and any required fencing;
- d. All direct invoiced cost from bonding companies and government agencies for permits and costs of insurance; and
- e. All other items and services required for mobilization and site preparation.

### 2. Demobilization

Payment shall include but not be limited to: All work required to sample the area; remove from the site all equipment, temporary utilities and supporting facilities; performance of necessary decontamination and repairs; disposal of disposable equipment and protective gear and other items and services required for complete demobilization.

Payment will be made under:

ITEM NUMBER	ITEM	PAYMENT UNIT
8.01 S	Health and Safety	Lump Sum

# ITEM 8.01 W1 REMOVAL, TREATMENT AND DISCHARGE/DISPOSAL OF CONTAMINATED WATER

### 8.01 W1.1 WORK TO INCLUDE

General: This work shall consist of the proper removal and disposal of all contaminated groundwater and decontamination water generated during construction operations. The Contractor shall be solely responsible for the proper disposal or discharge of all contaminated water generated at the job site. The Contractor will have the option of treating water on-site for discharge to the combined sanitary/storm sewer system or removing contaminated water for off-site disposal. The Contractor shall be responsible to choose a method compatible to the construction work and shall be compensated on a per day basis regardless of method employed. The Contractor will be compensated for only those days where the system is in full operation.

The Contractor shall retain a dewatering/water treatment Specialist (hereinafter the "Specialist") and laboratory as specified under Item 8.01 W2 – Sampling and Testing of Contaminated Water, to conduct any testing that may be required for disposal of impacted water.

The dewatering/water treatment Specialist is responsible to obtain all permits; perform all water sampling, testing; and provide ancillary services related to dewatering and water treatment. The Specialist shall at a minimum provide documentation to the Program Administration, Engineering Support Services (ESS) demonstrating the minimum requirements as set forth below:

- 1. The Specialist shall demonstrate that it has, at a minimum, three (3) years experience in the design of dewatering plans. The Specialist should demonstrate expertise dealing with issues associated with contaminated water. During that three (3) year period, the Specialist shall demonstrate that it provided dewatering and water treatment systems as a routine part of its daily operations.
- 2. The Specialist must be experienced in work of this nature, size, and complexity and must have previous experience in working with the DEC.
- 3. The Specialist shall furnish a project listing identifying the location, nature of services provided, owner, owner's contact, contact's telephone number, project duration and value for at least five (5) projects within the last three (3) years of a similar nature, size, and complexity to this one.
- 4. If conditions within the exclusion zone are deemed hazardous, then the Contractor and its independent Environmental Consultant shall ensure that all personnel working within identified exclusion zones and/or involved (direct contact) with the handling, storage or transport of hazardous and contaminated material shall have completed a minimum of forty (40) hours of Health and Safety Training on Hazardous Waste Sites in accordance with 29 CFR 1910.120(e). The training program shall be conducted by a qualified safety instructor. If conditions in the exclusion zone are deemed to be non-hazardous, the Specialist shall be responsible to provide site-specific training to its employees and other affected personnel.
- 5. The Contractor shall ensure that on-site management and supervisors directly responsible for or who supervise employees engaged in hazardous waste operations shall receive the training specified in above and at least eight (8) additional hours of specialized training on managing such operations at the time of job assignment.

The Contractor shall document all operations associated with the handling, sampling and disposal of contaminated water, and ensure that they are in compliance with applicable Federal, State and Local statutes and regulations.

The Contractor shall supply all labor, equipment, transport, plant, material, treatment, and other incidentals required to conduct the specified work of this section.

If water will be disposed of into the combined sanitary/storm sewer system, the Contractor shall ensure the Specialist treats the water to comply with the New York City Department of Environmental Protection (DEP) Sanitary/Combined and Storm Sewer Effluent Limit concentrations prior to discharge. The Contractor is responsible for providing settling or filtering tanks and any other apparatus required by DEP. Alternatively, the Contractor can provide a plan for transport and disposal at an off-site waste disposal facility.

Within forty-five (45) calendar days after award of Contract, the Contractor shall submit to the Program Administration, ESS for review, a Water Handling Plan (WHP). The WHP must be approved by the Program Administration, ESS, prior to the Contractor's commencement of work. The minimum requirements for the WHP are specified herein Item 8.01W 1.2, for each type of disposal (disposal into the combined sanitary/storm sewer or off-site disposal). The Contractor shall maintain a complete, up to date copy of the WHP on the job site at all times.

### 8.01 W1.2 CONSTRUCTION DETAILS

For each disposal method the Contractor proposes to utilize (disposal to combined sanitary/storm sewer or off-site disposal), the WHP shall include the information required in paragraphs A and B below, as appropriate.

- A. On-site treatment and discharge into New York City combined sanitary/storm sewers.
  - 1. Regulations: The Contractor shall comply with all applicable regulations. This includes but may not be limited to:
    - Title 15-New DEP Sewer Use Regulations.
  - 2. Permits: The Contractor is solely responsible to obtain all necessary and appropriate Federal, State and Local permits and approvals. The Contractor will be responsible for performing all and any system pilot tests required for permit approval. This includes but may not be limited to:
    - a. Industrial waste approval for the New York City sewer system.
    - b. Groundwater discharge permit for the New York City sewer system (DEP Division of Sewer Regulation and Control), if discharge to sewer exceeds 10,000 gallons per day.
    - c. The Contractor shall comply with DEC State Pollutant Discharge Elimination System (SPDES) Permit Number GP-0-10-001, General Permit for Stormwater Discharges.
    - d. Long Island well point permit for Brooklyn and Queens sites, if well points are used for dewatering.
    - e. Wastewater quality control application, DEP.
  - 3. The WHP for this portion of the work shall include at a minimum:

- a. Identification and design of Contractor's proposed treatment to assure that the water meets the DEP sewer use guidelines prior to discharge to the sewer, including identification of all materials, procedures, settling or filtering tanks, filters and other appurtenances proposed for treatment and disposal of contaminated water.
- b. The name, address and telephone number of the contact for the Contractor's proposed chemical laboratory, as well as the laboratory's certifications under Federal, State or non-governmental bodies.
- c. The name, address and telephone number of the contact for the Contractor's proposed independent Environmental Consultant.
- d. Copies of all submitted permit applications and approved permits the Contractor have received.

### 4. Materials

The Contractor shall supply all settling or filtering tanks, pumps, filters, treatment devices and other appurtenances for treatment, temporary storage and disposal of contaminated water. All equipment shall be suitable for the work described herein.

### 5. Execution

- a. The Contractor is solely responsible for disposal of all water, in accordance with all Federal, State and Local regulations.
- b. The Contractor is solely responsible for any treatment required to assure that water discharged into the sewer is in compliance with all permits and Federal, State and Local statutes and regulations.
- c. The Contractor is solely responsible for the quality of the water disposed of into the sewers.
- d. The Contractor is responsible for sampling and testing of water for the DEP Sanitary/Combined and Storm sewer Effluent Limit concentrations. The quality of the data is the Contractor's responsibility. Any sampling and testing shall be conducted and paid in accordance with Item 8.01 W2 Sampling and Testing of Contaminated Water.
- e. The Contractor shall be responsible to maintain the discharge rate to the sewer such that all permit requirements are met, the capacity of the sewer is not exceeded and no surcharging occurs downstream due to the Contractor's actions. Dewatering by means of well points or deep wells will not be allowed in the Boroughs of Brooklyn or Queens where the rate of pumping exceeds forty-five (45) gallons per minute unless the appropriate permit has been secured from the DEC.

### f. Disposal of Treatment Media

- (1) The Contractor shall be responsible for disposal or recycling of treatment media in accordance with all Federal, State and Local regulations.
- (2) The Contractor shall provide the DDC with all relevant documentation concerning the disposal of treatment media, including manifests, bills of

- lading, certificates of recycling or destruction and other applicable documentation.
- (3) Disposal of treatment media shall not be considered as a separate pay item; instead it shall be considered as incidental work thereto and included in the unit price bid.

### B. Off-Site Disposal

- 1. Regulations: The Contractor shall conform to all applicable Federal, State and Local regulations pertaining to the transportation, storage and disposal of any hazardous and/or non-hazardous materials as listed in Attachment 2.
- 2. The following shall be submitted to the DDC prior to initiating any off-site disposal:
  - a. (1) Name and waste transporter permit number
    - (2) Address
    - (3) Name of responsible contact for the hauler
    - (4) Any and all necessary permit authorizations for each type of waste transported
    - (5) Previous experience in performing the type of work specified herein
  - b. General information for each proposed treatment/disposal facility and at least one backup treatment/disposal facility
    - (1) Facility name and EPA identification number
    - (2) Facility location
    - (3) Name of responsible contact for the facility
    - (4) Telephone number for contact
    - (5) Unit of measure utilized at facility for costing purposes
  - c. A listing of all permits, licenses, letters of approval and other authorizations to operate, which are currently held and valid for the proposed facility as they pertain to receipt and management of the wastes derived from this Contract.
  - d. A listing of all permits, licenses, letters of approval and other authorizations to operate which have been applied for by the proposed facility but not yet granted or issued. Provide dates of application(s) submitted. Planned submittals shall also be noted.
  - e. The Contractor shall specify and describe the disposal/containment unit(s) that the proposed facility will use to manage the waste and provide dates of construction and beginning of use, if applicable. Drawings may be provided. The Contractor shall identify the capacity available in the units and the capacity reserved for the subject waste.
  - f. The Contractor shall provide the date of the proposed facility's last compliance inspection.

- g. A list of all active (unresolved) compliance orders, agreements, enforcement notices or notices of violations issued to the proposed facility shall be submitted. The source and nature of the cause of violation shall be stated, if known. If groundwater contamination is noted, details of the facility's groundwater monitoring program shall be provided.
- h. Description of all sampling and field/laboratory analyses that will be needed to obtain disposal facility approval.

### 3. Materials

All vessels for temporary storage and transport to an off-site disposal facility shall be as required in DOT regulations.

### 4. Execution

#### a. General

- (1) The Contractor shall organize and maintain the material shipment records/manifests required by Federal, State and Local law. The Contractor shall include all bills of lading, certificates of destruction, recycling or treatment and other applicable documents.
- (2) The Contractor shall coordinate the schedule for truck arrival and material deliveries at the job site to meet the approved project schedule. The schedule shall be compatible with the availability of equipment and personnel for material handling at the job site.
- (3) The Contractor shall inspect all vehicles leaving the project site to ensure that contaminated liquids are not spilling and are contained for transport.
- (4) The Contractor shall obtain letters of commitment from the waste haulers and the treatment, disposal or recovery facility to haul and accept shipment. The letter shall indicate agreement to handle and accept the specified estimated quantities and types of material during the time period specified in the project schedule and any time extension as deemed as necessary.
- (5) The Contractor shall verify the volume of each shipment of water from the site.
- (6) The Contractor is responsible for sampling and testing of water for off-site disposal. The quality of the data is the Contractor's responsibility. Any sampling and testing shall be conducted and paid in accordance with Item 8.01 W2 Sampling and Testing of Contaminated Water.
- (7) The Contractor shall be responsible for any additional analyses required by the TSD facility, and for the acceptance of the water at an approved TSD facility.

### b. Hauling

(1) The Contractor shall not deliver waste to any facility other than the TSD facility(ies) listed on the shipping manifest.

- (2) The Contractor shall coordinate manifesting, placarding of shipments, and vehicle decontamination. All quantities shall also be measured and recorded upon arrival at the TSD facility(ies). If any deviation between the two records occurs, the matter is to be reported immediately to the DDC and shall be resolved by the Contractor to the satisfaction of the DDC.
- (3) The Contractor shall be held responsible for any and all actions necessary to remedy situations involving material spilled in transit or mud and dust tracked off-site. This cleanup shall be accomplished at the Contractor's expense.
- (4) The Contractor shall be responsible for inspecting the access routes for road conditions, overhead clearance and weight restrictions.
- (5) The Contractor shall only use the transporter(s) identified in the WHP for the performance of work. Only a transporter with a current Part 364 Waste Transporter Permit from DEC may transport this material. Any use of substitute or additional transporters must have previous written approval from the DDC at no additional cost to the City.
- (6) The Contractor shall develop, document, and implement a policy for accident prevention.
- (7) The Contractor shall not combine waste materials from other projects with material from this project.
- (8) The Contractor shall obtain for the City a hazardous waste generator identification number and will sign the manifest as the generator, if necessary.
- (9) No material shall be transported until approved by the DDC.

### c. Disposal Facilities

- (1) The Contractor shall use only the TSD facility(ies) identified in the WHP for the performance of the work. Substitutions or additions shall not be permitted without prior written approval from the Program Administration, ESS, and, if approved, shall be at no extra cost to the City.
- (2) The Contractor shall be responsible for acceptance of the material at an approved TSD facility, for ensuring that the facility is properly permitted to accept the stated material, and that the facility provides the stated storage and/or disposal services.
- (3) The DDC reserves the right to contact and visit the disposal facility and regulatory agencies to verify the agreement to accept the stated material and to verify any other information provided. This does not in any way relieve the Contractor of his responsibilities under this Contract.
- (4) In the event that the identified and approved facility ceases to accept the stated materials or the facility ceases operations, it is the Contractor's responsibility to locate an alternate approved and permitted facility(ies) for accepting materials. The Contractor is responsible for making the necessary arrangements to utilize the facility(ies), and the alternate facility(ies) must be

approved in writing by the DDC in the same manner and with the same requirements as for the original facility(ies). This shall be done with no extra cost or delay to the City.

- d. Equipment and Vehicle Decontamination
  - (1) The Contractor shall design and construct a portable decontamination station to be used to decontaminate equipment and vehicles exiting the exclusion zone. The cost for this work shall be paid under Item 8.01 S Health and Safety.

### 8.01 W1.3 METHOD OF MEASUREMENT

The quantity for on-site treatment and discharge or off-site disposal shall be on a per day basis.

### 8.01 W1.4 PRICE TO COVER

- A. The per day price bid for Item 8.01 W1 shall include the cost of furnishing all labor, materials, plant, equipment, and insurance for handling, transportation, disposal, documentation, permits, hauling, mobilization and demobilization, and any other incidentals thereto to complete the work.
- B. The Contractor will not be paid for water that is within the DEP Sewer Discharge Limits.

Payment will be made under:

ITEM NUMBER	ITEM	PAYMENT UNIT
8.01 W1	Removal, Treatment and Disposal/Discharge of	Day

### ITEM 8.01 W2 SAMPLING AND TESTING OF CONTAMINATED WATER

### 8.01 W2.1 WORK TO INCLUDE

### A. <u>Description</u>

The work shall consist of sampling and testing of potentially contaminated groundwater, surface runoff within the excavated area and all contaminated water generated during the decontamination process.

### B. Sampling and Testing

- 1. The Contractor is responsible, at a minimum, for sampling and testing of contaminated water for the DEP Sanitary/Combined and Storm Sewer Effluent Limit concentrations as listed in Attachment 1. The quality of the data is the Contractor's responsibility. Any additional testing required by the Federal, State and/or disposal facilities shall be included in the bid price of this Item.
- 2. All sampling and testing shall be conducted by a person trained in sampling protocols using accepted standard practices and/or the DEC sampling guidelines and protocols.
- 3. All sample containers shall be marked with legible sample labels which shall indicate the project name, sample location and/or container, the sample number, the date and time of sampling, preservatives utilized, how the sample was chilled to 4 degrees Celsius, and other information that may be useful in determining the character of the sample.
- 4. Chain-of-custody shall be tracked from laboratory issuance of sample containers through receipt of the samples.
- 5. The Contractor shall maintain a bound sample log book. The Contractor shall provide the DDC access to it at all times and shall turn it over to the DDC in good condition at the completion of the work. The following information, as a minimum, shall be recorded to the log:
  - a. Sample identification number
  - b. Sample location
  - c. Field observation
  - d. Sample type
  - e. Analyses
  - f. Date/time of collection
  - g. Collector's name
  - h. Sample procedures and equipment used
  - i. Date sent to laboratory/name of laboratory
- 6. Only dedicated sampling equipment may be used to collect these samples. All equipment involved in field sampling must be decontaminated before being brought to the site, and must be properly disposed of after use.

- 7. Samples shall be submitted to the Contractor's laboratory within the holding times for the parameters analyzed.
- 8. All analyses must be done by a laboratory that has received approval from the DOH's ELAP for the methods to be done. The Contractor must specify the laboratory in the WHP.
- 9. Analytical results for water discharged to the sewer and for off-site disposal must be submitted to the DDC no later than five (5) days after sample collection.
- 10. The City reserves the right to direct the Contractor to conduct alternative sampling in lieu of the parameters described above, if the situation warrants. The substitute sampling parameters shall be of equal or lesser monetary value than those described above, as determined by industry laboratory pricing standards.

### 8.01 W2.2 METHOD OF MEASUREMENT

Quantities for samples shall be measured as the number of sets of samples that are tested for the DEP Sanitary/Combined and Storm Sewer Effluent Limit concentrations. A set shall be defined as one (1) representative sample analyzed for the full range of DEP parameters as specified in attachment 1.

### 8.01 W2.3 PRICE TO COVER

The unit price bid per set for Item 8.01 W2 shall include the cost of furnishing all labor, materials, plant, equipment, and insurance for handling, transport, sampling, testing, documentation, permits, other incidentals necessary to complete the work of sampling and testing of contaminated water. Any additional costs incurred by the Contractor for sampling and testing of contaminated water shall be included in the bid price of this Item.

Payment will be made under:

ITEM NUMBER	<u>ITEM</u>	PAYMENT UNIT
8.01 W2	Compliance of Trust CO and the LVV	<b>a</b>
0.01 W Z	Sampling and Testing of Contaminated Water	Set

### **ATTACHMENT 1**

New York City Department of Environmental Protection Limitations for Discharge To Storm, Sanitary/Combined Sewer

# NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTEWATER TREATMENT

### Limitations for effluent to storm, sanitary or combined sewers

Parameter	Daily Limit	Units	Sample Type	Monthly Limit
Oil & Grease	15	mg/l	Instantaneous	
Total Petroleum Hydrocarbons	50	mg/l	Instantaneous	
pH Range (Storm sewer)	6.5-8.5	SU's	Instantaneous	
(Sanitary sewer)	5-11			
Benzene	134	ppb	Instantaneous	57
Ethyl benzene	380	ppb	Instantaneous	142
Toluene	74	ppb	Instantaneous	28
Xylenes Total	74	ppb	Instantaneous	28
Temperature	< 150	°F	Instantaneous	w
Cadmium	2	mg/l	Instantaneous	
	0.69	mg/l	Composite	
Chromium VI	5	mg/l	Instantaneous	
Copper	5	mg/l	Instantaneous	
Lead	2	mg/l	Instantaneous	
Mercury	0.05	mg/l	Instantaneous	
Nickel	3	mg/l	Instantaneous	
Zinc	5	mg/l	Instantaneous	
Flash Point	> 140	°F	Instantaneous	
Total Suspended Solids	350	ppm	Instantaneous	
PCB's Total*	1	ppb	Composite	
Perc (Tetrachloroethylene)	20	ppb	Instantaneous	
MTBE (Methyl-Tert-Butyl-Ether)	10	ppb	Instantaneous	10
Naphthalene	47	ppb	Instantaneous	19

<sup>\*</sup> Analysis for PCB's are requested only if both conditions listed below are met:

- 1) If proposed discharge > 10,000 gpd
- 2) If duration of discharge > 10 days

Analysis for PCB's must be conducted by USEPA Method 608 only with MDL = 65ppt

**ATTACHMENT 2** 

**Applicable Regulations** 

### Applicable regulations include, but are not limited to:

- 1. 49 CFR 100 to 179 DOT Hazardous Materials Transport and Manifest System Requirements
- 2. New York State Department of Environmental Conservation (DEC), Spills Technology and Remediation Series (STARS) Memo #1
- 3. 6 NYCRR 360-1 DEC Solid Waste Management Facilities
- 4. 6 NYCRR 364- Waste Transporter permits
- 5. Local restrictions on transportation of waste/debris
- 6. 40 CFR 260 to 272 Hazardous Waste Management (RCRA)
- 7. 6 NYCRR 371 Identification and Listing of Hazardous Wastes
- 8. 6 NYCRR 372 Hazardous Waste Manifest System and Related Standards for Generators, Transporters and Facilities
- 9. 6 NYCRR 373-1 Hazardous Waste Treatment, Storage and Disposal Facility Permitting Requirements
- 10. 6 NYCRR 376 Land Disposal Restrictions
- 11. Posted weight limitations on roads or bridges
- 12. Transportation Skills Programs, Inc. 1985 Hazardous Materials and Waste Shipping Papers and Manifests
- 13. Other local restrictions on transportation of waste/debris
- 14. Occupational Safety and Health Administration (OSHA), Standards and Regulations, 29 CFR 1910 (General Industry)
- 15. OSHA 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response
- 16. OSHA Safety and Health Standards 29 CFR 1926 (Construction Industry)
- 17. OSHA 29 CFR 1910.146 Confined Space Entry Standard
- 18. Standard Operating Safety Guidelines, EPA Office of Emergency and Remedial Response Publication, 9285.1-03
- 19. NIOSH / OSHA / USCG / EPA Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (1986)
- U.S. Department of Health and Human Services (DHHS) "NIOSH Sampling and Analytical Methods," DHHS (NIOSH) Publication 84-100
- 21. ANSI, Practice for Respiratory Protection, Z88.2 (1980)
- 22. ANSI, Emergency Eyewash and Shower Equipment, Z41.1 (1983)
- 23. ANSI, Protective Footwear, Z358.1 (1981)
- 24. ANSI, Physical Qualifications for Respirator Use, Z88.6 (1984)
- 25. ANSI, Practice for Occupational and Educational Eye and Face Protection, Z87.1 (1968)
- 26. Water Pollution Control Federation "Manual of Practice No. 1, Safety in Wastewater Works"

- 27. NFPA No. 327 "Standard Procedures for Cleaning and Safeguarding Small Tanks and Containers"
- 28. Occupational Safety and Health Act Confined Space Entry Standard 29 CFR 1910.146.87
- 29. Department of Transportation 49 CFR 100 through 179
- 30. Department of Transportation 49 CFR 387 (46 FR 30974, 47073)
- 31. Environmental Protection Agency 40 CFR 136 (41 FR 52779)
- 32. Environmental Protection Agency 40 CFR 262 and 761
- 33. Resource Conservation and Recovery Act (RCRA)
- 34. Any transporter of hazardous or non-hazardous materials shall be licensed in the State of New York and all other states traversed in accordance with all applicable regulations.

**ATTACHMENT 3** 

**Definitions** 

- Contaminated Groundwater and Decontamination Fluids: Groundwater within the excavation trench or decontamination water that contains regulated compounds above the NYCDEP Discharge to Sanitary/Combined Sewer Effluent limits.
- **Disposal or Treatment Facility:** A facility licensed to accept either non-hazardous regulated waste or hazardous waste for either treatment or disposal.
- **Exclusion Zone:** Work area that will be limited to access by Contractor personnel specifically trained to enter the work area only. The exclusion zone will be set up to secure the area from the public and untrained personnel. The project health and safety program will apply to all construction personnel including persons entering the work area.
- **Hazard Assessment:** An assessment of any physical hazards that may be encountered on a work site.
- **Hazardous Soils:** Soils that exhibit any of the characteristics of a hazardous waste, namely ignitability, corrosivity, reactivity, and toxicity, as defined in 6 NYCRR Part 371, Section 371.3 and 40 CFR Section 261.
- **Hazardous Substance Evaluation:** An evaluation of the possible or known presence of any hazardous substances that may be encountered on a job site. This evaluation is included in the Health and Safety Plan and will include the identification and description of any hazardous substances expected to be encountered. Material Safety Data Sheets (MSDS) will be included for each substance.
- **Health and Safety Plan:** A plan employed at a work site that describes all the measures that will be taken to assure that all work is conducted in a safe manner, and that the health of the workers and the public will be insured.
- Material Handling Plan: A plan outlining the methods that will be employed to handle, transport and dispose of contaminated materials.
- **Non-Hazardous Contaminated Soils:** Soils which exhibit a distinct chemical or petroleum odor, or exhibit elevated photoionization detector readings but are not classified as hazardous waste under 6 NYCRR Part 371, Section 371.3 and 40 CFR Section 261.
- New York State Health Department's Environmental Laboratory Approval Program: A program by which the state of New York approves and accredits environmental testing laboratories.
- **PCBs:** Polychlorinated biphenyls are a group of toxic compounds commonly used as a coolant in transformers and other electrical components.
- **Photoionization Detector:** A hand held instrument used to measure volatile organic compounds in air. The instrument ionizes the organic molecules through the use of an ultraviolet lamp.
- **RCRA Hazardous Waste Characteristics:** Characteristics of a material which may indicate the material is hazardous. These include: ignitability corrosivity, reactivity, and toxicity.
- **Total Petroleum Hydrocarbons:** An analytical procedure used to determine the total amount of petroleum compounds in a material.

## **ATTACHMENT 4**

Phase II Subsurface Corridor Investigation Report

### - Final -

# Phase II Subsurface Corridor Investigation Report

For

Reconstruction of Grand Concourse between 166<sup>th</sup> Street and 171<sup>st</sup> Street Bronx, New York

DDC PROJECT NO.: HWXP136A WORK ORDER NO.: 6185-Weston-6137 CONTRACT REGISTRATION NO. 20090027573

Prepared for:



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PROJECT NO. 14513.006.185

March 11, 2010



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### **EXECUTIVE SUMMARY**.

On behalf of the New York City Department of Design and Construction (NYCDDC), Weston Solutions of New York, Inc. (WESTON) conducted a Phase II Subsurface Corridor Investigation (Phase II SCI) of Grand Concourse between 166<sup>th</sup> Street and 171<sup>st</sup> Street (hereinafter referred to as the Corridor). The Corridor is located in the East and West Concourse neighborhoods of the Bronx, New York.

PB Americas, Inc. (PB) prepared a Phase I Corridor Assessment Report (Phase I CAR) dated October 27, 2007, which presented the results of a survey conducted along the Corridor to assess the presence of potential sources of subsurface contamination within, and in the immediate vicinity of, the Corridor. The Phase I CAR identified one (1) site that had a potential "High" risk and fourteen (14) sites that had a potential "Moderate" risk to impact the subsurface (soil and/or groundwater) of the Corridor and recommended the performance of a Phase II SCI. The objective of the Phase II SCI was to assess the presence of subsurface contamination that might impact proposed construction activities. The proposed construction activities for the Corridor include infrastructure improvements consisting of the installation and/or repair of storm and sanitary sewers. The Phase II SCI consisted of the following components:

- The advancement of twelve (12) borings (SB-01 through SB-12) to a proposed depth of approximately 20 feet below ground surface (ftbg) or refusal, whichever was encountered first and the field screening of soil samples, including photo-ionization detector (PID) readings and visual and olfactory indicators of contamination (staining, odors);
- The collection of twelve (12) soil samples, which were analyzed for the following parameters: (1) United States Environmental Protection Agency (EPA) Target Compound List (TCL) volatile organic compounds (VOCs); (2) TCL Base Neutral/Acid (BN/A) extractable semi-volatile organic compounds (SVOCs); (3) Target Analyte List (TAL) metals; (3) TCL pesticides; and (4) TCL polychlorinated biphenyls;
- The collection of three (3) waste characterization soil samples (WC-01, WC-02, and WC-03), which were analyzed for: (1) the EPA Full Toxicity Characteristics Leaching Procedure (TCLP) parameters; (2) the Resource Conservation and Recovery Act (RCRA) Characteristics (ignitability, reactivity and corrosivity); and (3) Total Petroleum Hydrocarbons Diesel Range Organics/Gasoline Range Organics (TPHC DRO/GRO);
- The preparation of this report, which includes tables summarizing the laboratory analytical results and figures depicting boring locations, significant site features and, if applicable, contamination occurrence and distribution.

In order to evaluate the subsurface soil and groundwater quality, laboratory analytical results were compared with the regulatory standards identified in (1) New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum #4046 (TAGM) dated 1994 (including Eastern USA Soil Background Concentrations for metals); (2) NYSDEC STARS 1992 Memo #1, Petroleum Contamination Soil Guidance Policy Toxicity Characteristic Leaching Procedure (TCLP) Alternative Guidance Values (AGVs); (3) NYSDEC Subpart 375-6: Remedial Program Unrestricted and Restricted Use (Track 1 and Track 2) Soil Cleanup Objectives (SCOs); and (4) the Toxicity Characteristic Regulatory Levels for Hazardous Waste published in RCRA and NYSDEC Part 371.



The subsurface soils encountered during this Phase II SCI from grade to 9 ftbg consisted predominantly of urban fill described as light to dark brown fine sand, silt and gravel. Native material beneath the fill consisted of brown fine sand and silt. Bedrock was encountered during the Phase II SCI at 1.5 to 13 ftbg and is anticipated to be encountered throughout the Corridor at depths ranging from 0 to 20 ftbg.

Field screening did not identify petroleum-impacted soils throughout the Corridor. PID readings and/or petroleum odors were not identified in any of the soil boring locations (SB-01 through SB-12) above the background level of 1.0 part per million (ppm).

No VOCs were detected in the twelve (12) soil samples collected from soil borings SB-01 through SB-12 at concentrations exceeding TAGM RSCOs, STARS TCLP AGVs or Unrestricted Use (Track 1) SCOs.

Several SVOCs and metals were detected in all 12 soil samples at concentrations exceeding their corresponding applicable standards, including TAGM RSCOs, Unrestricted Use (Track 1) SCOs, STARS TCLP AGVs, and/or Eastern United States (EUS) background levels

The pesticides 4,4 DDE and 4,4 DDT were detected in three (3) soil samples (SB-01, SB-02, and SB-03) at concentrations that exceed the Unrestricted Use (Track 1) SCO. PCBs were not detected above applicable standards.

The three (3) waste characterization soil samples (WC-01, WC-02, and WC-03) did not exhibit evidence of hazardous waste characteristics.

Groundwater was not encountered at any of the soil boring locations on the Corridor, which were advanced to a depth of up to 13 ftbg; therefore, no groundwater samples were collected.

### **Conclusions**

Based on the evaluation of the field screening data and the laboratory analytical results, and a comparison to applicable regulatory standards, the following conclusions are presented:

- Field screening did not identify evidence of petroleum-impacted soils;
- Subsurface soils contain elevated concentrations of SVOCs, metals and pesticides which are attributed to contaminants in historic fill placed in the Corridor;
- The subsurface soils did not exhibit hazardous waste characteristics;
- Groundwater was not encountered during the Phase II SCI activities at the maximum boring depth of 13 ftbg. Groundwater is expected to be encountered between approximately 5 and 10 ftbg. Due to the expected depth of proposed construction, dewatering may be necessary.

Based on the results of the field investigation and laboratory analytical results, WESTON recommends the following:

- The Contract documents should identify provisions and a contingency for managing, handling, transporting and disposing of non-hazardous contaminated soil (SVOCs, metals, and pesticides). The Contractor should be required to submit a Material Handling Plan, to identify the specific protocol and procedures that will be employed to manage the waste in accordance with applicable regulations;
- Due to the presence of SVOCs, metals and pesticides at concentrations above TAGM RSCOs and/or Unrestricted Use (Track 1) SCOs in the investigated sites, dust control procedures are recommended during excavation activities to minimize the creation and dispersion of fugitive airborne dust. The



Contractor may implement dust control measures to minimize potential airborne contaminants released as a direct result of construction activities. A Community Air Monitoring Plan (CAMP) shall be developed in accordance with NYSDEC DER-10 Regulations. The CAMP requires real-time monitoring for VOCs and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is intended to provide a measure of protection for the downwind community from potential airborne contaminant releases as a direct result of investigative and remedial work activities. Specific requirements shall be reviewed for each situation in consultation with NYSDOH to ensure proper applicability;

- Groundwater was not encountered during this Phase II SCI; however, dewatering may be necessary during construction activities in the Corridor. If groundwater is encountered during construction activities and dewatering is determined to be necessary within the Corridor, a groundwater sample should be collected and analyzed for NYCDEP Sanitary and Combined Sewer Discharge Parameters. Based on the results of laboratory analyses for NYCDEP Sewer Discharge Criteria, groundwater may require pretreatment prior to discharge to sanitary or combined sewers. The contractor will be required to obtain a NYCDEP sewer discharge permit and perform sampling and laboratory analysis prior to discharge into sanitary and combined sewers;
- In addition, if discharge into storm sewers is required during dewatering, it must be done under the appropriate NYSDEC State Pollutant Discharge Elimination System (SPDES) permit. Additional sampling and laboratory analysis will be required to satisfy NYSDEC requirements prior to discharge into storm sewers; and
- Before beginning any excavation activity, the contractor shall submit a site-specific health and safety plan (HASP) that will meet the requirements set forth by the Occupational, Safety and Health Administration (OSHA), the New York State Department of Health (NYSDOH) and any other applicable regulations. The HASP should identify the possible locations and risks associated with the potential contaminants that may be encountered, and the administrative and engineering controls that will be utilized to mitigate concerns (i.e. dust control procedures for SVOCs, metals and pesticides).



### 1.0 INTRODUCTION

On behalf of the New York City Department of Design and Construction (NYCDDC), WESTON conducted a Phase II Subsurface Corridor Investigation (Phase II SCI) of Grand Concourse between 166<sup>th</sup> Street and 171<sup>st</sup> Street (hereinafter referred to as the Corridor). The Corridor is located in the East and West Concourse neighborhoods of the Bronx, New York. Infrastructure improvements consisting of reconstruction of the Grand Concourse is proposed for the Corridor. The Phase II SCI was conducted to determine if the Corridor's environmental condition might impact proposed construction activities.

### 1.1 Summary of Previous Environmental Investigations

PB prepared a Phase I Corridor Assessment Report (Phase I CAR) dated October 26, 2007, which presented the results of a survey conducted along the Corridor to assess the presence of potential sources of subsurface contamination within, and in the immediate vicinity of, the Corridor. The survey also included a review of fire insurance maps to document historical use and a limited review of the New York State databases to identify sites that are known to be contaminated.

The Phase I CAR identified one (1) site that had a Final "High" risk and fourteen (14) sites that had a Final "Moderate" risk to impact the subsurface of the Corridor and recommended advancing a total of fifteen (15) borings, installing temporary well points and collecting soil and groundwater samples to assess potential impacts.

### **HIGH RISK SITES**

1. Apartment Building at 1215 Grand Concourse

### **MODERATE RISK SITES**

- 1. Apartment Building at 1100 Grand Concourse
- 2. Apartment Building at 1125 Grand Concourse
- 3. Citizen's Advice Bureau at 1130 Grand Concourse
- 4. Apartment Building at 1150 Grand Concourse
- 5. Family Dentist (Dental Clinic) at 1173 Grand Concourse
- 6. Apartment Building at 1183-1185 Grand Concourse (Doctor's Office in apartment building at 1183 Grand Concourse)
- 7. NYCT 167th Street Station at 167th Street and Grand Concourse
- 8. Apartment Building at 1225-1227 Grand Concourse
- 9. Orthopedic Clinic at 1235 Grand Concourse
- 10. Apartment Building at 1295 Grand Concourse
- 11. Christ the King School at 1345 Grand Concourse
- 12. Apartment Building at 1398 Grand Concourse
- 13. Transformer at East 171st Street and Grand Concourse
- 14. Top Cleaners at 165 East 170th Street

Based on the information obtained during the site inspection on April 24, 2009, review of the PB CAR, and review of subway maps obtained from the Metropolitan Transportation Authority New York City Transit (MTA NYCT), twelve (12) borings were advanced in side streets that intersect Grand Concourse and Service Roads. The borings were proposed to be advanced to a depth of up to 20 feet below grade utilizing a Geoprobe direct push drill rig at a minimum distance of 75 feet from the underground subway

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tunnels beneath Grand Concourse to comply with MTA clearance requirements. Bedrock was encountered at all twelve (12) borings at a maximum depth of 13 ftbgs; therefore no borings were advanced to the proposed depth of 20 ftbgs.

### 1.2 Scope of Work

The Phase II SCI consisted of a field investigation, laboratory analyses, and the preparation of this report, which includes tables summarizing the laboratory analytical results and figures depicting boring locations, significant site features and, if applicable, contamination occurrence and distribution. Drilling activities for the field investigation were performed by Aquifer Drilling and Testing, Inc. (ADT). Oversight of drilling activities was performed by WESTON. Laboratory analyses were provided by Hampton-Clarke Veritech (HC-V), of Fairfield, New Jersey, a NYS Department of Health (NYSDOH) approved laboratory (No. 11408). Field derived Quality Assurance/Quality Control samples (i.e. field blanks, trip blanks, duplicates) were not collected for this project. The field investigation was conducted on January 8, 9, 10 and 11, 2010 and consisted of the following components:

- The advancement of twelve (12) borings (SB-01 through SB-12) to a proposed depth of 20 feet below ground surface (ftbg) or refusal, whichever was encountered first. Refusal was encountered at all soil borings due to bedrock, at a maximum depth of 13 ftbg. The borings were advanced using a Geoprobe direct push drill rig. Prior to direct push advancement, borings were cleared to a depth of five (5) feet using a hand auger and/or a vacuum excavator (Vacex). Soil samples were collected using 4-foot long or 5-foot long, 2-inch diameter Macro Core stainless steel samplers equipped with polyvinyl chloride (PVC) liners. In addition, a site specific Health and Safety Plan was prepared prior to commencing field work;
- The collection of one (1) composite and one (1) grab sample from one (1) soil boring identified as a "High" risk boring location (SB-05). The composite samples were comprised of soil from the entire boring column. The grab samples were collected from the 6-inch interval exhibiting evidence of petroleum impacts [highest photo-ionization detector (PID) reading] or from the bottom 6-inch interval in each boring. Composite and grab samples were also collected from eleven (11) "Moderate" risk borings (SB-1 through SB-04 and SB-06 through SB-12) to characterize soil throughout the remainder of Corridor.
- Laboratory analysis of the composite samples for: (1) Target Compound List (TCL) Base Neutral/Acid (BN/A) extractable semi-volatile organic compounds (SVOCs) by United States Environmental Protection Agency (EPA) Method 8270; (2) Target Analyte List (TAL) metals by EPA Method 6010B; (3) TCL pesticides by EPA Method 8081A; and (4) TCL polychlorinated biphenyls (PCBs) by EPA Method 8082.
- Laboratory analysis of the grab samples for TCL volatile organic compounds (VOCs) by EPA Method 8260.
- The collection of three (3) composite waste characterization (WC) samples as follows:
  - o WC-1: composited of soil aliquots from borings SB-01 through SB-04 (grade to bottom).
  - WC-2: composited of aliquots soil from borings SB-05 through SB-08 (grade to bottom).
  - o WC-3: composited of soil aliquots from borings SB-09 through SB-12 (grade to bottom).



Laboratory analysis of the waste characterization samples for: (a) Full Toxicity Characteristics
Leaching Procedure (TCLP) by EPA Method SW846; (b) Resource Conservation and Recovery Act
(RCRA) Characteristics (ignitability, reactivity and corrosivity) by EPA Method SW846; and (c)
Total Petroleum Hydrocarbons Diesel Range Organics/Gasoline Range Organics (TPHC DRO/GRO)
by EPA Method 8015B.

### 2.0 CORRIDOR INFORMATION

### 2.1 Corridor Location, Description and Use

The Corridor is located in the East and West Concourse neighborhoods of the Bronx, New York. The Corridor consists of Grand Concourse between 166<sup>th</sup> Street and 171<sup>st</sup>. The Corridor location is shown on Figure 1. The Corridor is approximately 0.65 miles long and 200 feet wide at its longest and widest points. The Corridor consists of a right-of-way (ROW) developed with a paved roadway, sidewalks, and existing infrastructure systems. Valves, inlets, manholes, meters, and vents are visible in roadway and sidewalk areas throughout the Corridor and indicate the presence of multiple buried utilities including natural gas, electrical, water and sewer lines. Property usage within the Corridor includes mostly residential with some mixed commercial/retail usage. The commercial/retail properties consist mainly of doctor's offices, dentist's offices, and clinics.

### 2.2 Description of Surrounding Properties

The Corridor lies within an area that is generally residential with some commercial/retail. Property usage in the general surrounding area includes mainly residential and a few commercial establishments. Numerous clinics, doctor's offices, and dentist's offices were observed on the street level of the apartment buildings located within the Corridor. Based on the NYCDDC BEGS Risk Criteria protocol these clinics, doctor's offices, and dentist's offices are considered "Moderate" risk sites.

### 2.3 Corridor and Regional Topographic Setting

Based on a review of the United States Geological Survey (USGS.) 7.5-Minute Quadrangle Map, Jamaica, NY Quadrangle, dated 2003, the elevation of the Corridor is approximately 90 to 100 feet above mean sea level (MSL). The topography of the immediate area of the Corridor is 90 to 100 feet above MSL with a slight slope from north to south. A copy of the topographic map is presented in Figure 1.

### 2.4 Corridor and Regional Geology

According to the 1989 Geology and Engineering Geology of the New York Metropolitan Area and the 1953 Groundwater in Bronx, New York, and Richmond Counties with Summary Data on Kings and Queens Counties, New York City, New York, published by the USGS, the area surrounding the Sites is underlain by fill material and subsequently an unstratified layer of Pleistocene glacial deposit. This unconsolidated deposit, ground moraine, is a brown till composed of clay, sand, and boulders with a thickness less than 25 feet. In the vicinity of the Corridor, the oldest consolidated pre-Cambrian Fordham Gneiss lies underneath the glacial deposit. This massive, coarsely crystalline black- and white-banded bedrock is considered a partly sedimentary and partly igneous in origin. Estimated depth to bedrock in the vicinity of the Corridor is 0 to 20 ftbg.

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The subsurface soils encountered during this Phase II SCI from grade to 9 ftbg consisted predominantly of urban fill described as light to dark brown fine sand, silt and gravel. Native material beneath the fill consisted of brown fine sand and silt. Bedrock was encountered during the Phase II SCI between 1.5 and 13 ftbg.

### 2.5 Corridor and Regional Hydrogeology

Available data indicates that the water table in the area of the Corridor is located in the Outwash Deposit layer and ranges from approximately 5 to 10 feet below mean sea level (msl). Groundwater is likely to flow to the west-southwest consistent with the general topographic gradient, towards the Harlem River located approximately 1 mile west-southwest of the Corridor. Groundwater migration is likely influenced by adjacent and on-site building foundations and footings. Estimated groundwater levels and/or flow direction(s) may also vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations.

### 3.0 CORRIDOR EVALUATION

Proposed construction activities at this site include soil excavation and may include dewatering, which in-turn requires that soils and groundwater at the site be characterized to identify material handling requirements (i.e. use of protective equipment) and for material reuse, handling and/or waste disposal requirements. WESTON provided oversight for the advancement of twelve (12) soil borings and the collection of soil samples during the field investigation at the designated areas in the vicinity of the planned construction. As groundwater was not encountered during the Phase II SCI, groundwater samples were not collected. The soil samples from the borings were transferred into laboratory supplied sample jars and properly labeled. The samples were stored with ice in a cooler to preserve the samples at 4° Celsius prior to and during shipment. A chain-of-custody was prepared, prior to sample shipment. A summary of the field observations, including the location of the sites and the details of the soil borings, is provided in Table 1.

### 3.1 Soil Quality Investigation

Twelve (12) borings (SB-01 through SB-12) were proposed to be advanced to a depth of 20 ftbg, or refusal, whichever was encountered first, using a Geoprobe direct push drill rig. Bedrock was encountered at all boring locations at a maximum depth of 13 ftbgs; therefore no borings were advanced to the proposed depth of 20 ftbgs. Due to the presence of subways beneath Grand Concourse the borings were shifted from the "High" and "Moderate" risk site locations to the east and west of Grand Concourse to satisfy the MTA clearance protocol, which requires that soil borings be advanced 75 feet from underground subway tunnels. Prior to direct push advancement, borings were cleared to a depth of 5 ftbg using a hand auger and/or a vacuum excavator. Soil samples were collected using 4-foot long or 5-foot long, 2-inch diameter Macro Core stainless steel samplers equipped with polyvinyl chloride (PVC) liners. Soil boring locations are shown on Figure 2. The designations and sampling intervals for the samples that were submitted to the laboratory are included in Table 1. Maps depicting each boring location are included in Appendix A. Boring logs are provided in Appendix B.

The locations of each boring are described below:

• SB-01 -Advanced in the vicinity of "Moderate" risk site No. 2; and located on 166<sup>th</sup> Street, 52 feet east of Grand Concourse and 5 feet north of the curb line of 166<sup>th</sup> Street, in the sidewalk.



- SB-02 Advanced in the vicinity of "Moderate" risk sites Nos. 3 and 6; and located McClellan Street, 61 feet east of Grand Concourse and 5 feet south of the curb line of McClellan Street, in the sidewalk.
- SB-03 Advanced in the vicinity of "Moderate" risk sites Nos. 4 and 5; and located on McClellan Street, 61 feet east of Grand Concourse and five feet south of the curb line of McClellan Street, in the sidewalk.
- SB-04 Advanced in the vicinity of "Moderate" risk site No. 7; and located on Tudor Place, 63 feet west of Grand Concourse and five feet north of the curb line of Tudor Place, in the sidewalk.
- SB-05 Advanced in the vicinity of "High" risk site No. 1 and "Moderate" risk site No. 9; and located on East 167<sup>th</sup> Street, 55 feet west of Grand Concourse and five feet north of the curb line of East 167<sup>th</sup> Street, in the sidewalk.
- SB-06 Advanced in the vicinity of "Moderate" risk site No. 8; and located on East 167<sup>th</sup> Street, 15 feet east of Grand Concourse and five feet north of the curb line of East 167<sup>th</sup> Street, in the sidewalk.
- SB-07 Advanced in the vicinity of "Moderate" risk site No. 10; and located on East 168<sup>th</sup> Street, 60 feet west of Grand Concourse and two feet north of the curb line of East 168<sup>th</sup> Street, in the sidewalk.
- SB-08 Advanced in the vicinity of "Moderate" risk site No. 11; and located on East 169<sup>th</sup> Street, 50 feet west of Grand Concourse and five feet north of the curb line of East 169<sup>th</sup> Street, in the sidewalk.
- SB-09 Advanced in the vicinity of "Moderate" risk site No. 12; and located on Marcy Place, 60 feet west of Grand Concourse and four feet north of the curb line of Marcy Place, in the sidewalk.
- SB-10 Advanced in the vicinity of "Moderate" risk site No. 15; and located on East 170<sup>th</sup> Street, 115 feet west of Grand Concourse and 5 feet north of the curb line of East 170<sup>th</sup> Street, in the sidewalk.
- SB-11 Advanced in the vicinity of "Moderate" risk site No. 13; and located on East 170<sup>th</sup> Street, 50 feet east of Grand Concourse and 4 feet north of the curb line of East 170<sup>th</sup> Street, in the sidewalk.
- SB-12 Advanced in the vicinity of "Moderate" risk site No. 14; and located on East 171<sup>st</sup> Street, 70 feet west of Grand Concourse and 5 feet north of the curb line of East 171<sup>st</sup> Street, in the sidewalk.

Soil from each boring was classified and examined for visual evidence (i.e. staining, discoloration) and any olfactory indications (i.e. odors) of contamination. Continuous soil samples were collected from each of the borings at 5-foot intervals. Upon sample retrieval, the soils were examined for visual evidence (i.e. staining, discoloration) and any olfactory indications (i.e. odors) of contamination. In addition, a photo-ionization detector (PID) was used to screen the soil for VOC vapors.



In order to identify representative conditions relative to the presence of SVOCs, metals, pesticides and PCBs over the entire soil column in each boring, composite soil samples were collected by mixing the soil from the entire column in a stainless steel bowl. Boring composite samples were collected from the one (1) "High" risk boring (SB-05) and eleven (11) "Moderate" risk borings (SB-1 through SB-4 and SB-6 through SB-12). Composite samples were collected from all of the "Moderate" soil borings to gather soil quality information throughout the Corridor.

In order to identify representative conditions relative to the presence of VOCs the grab soil samples were collected from the bottom 6-inch interval in borings SB-01 through SB-12 as no evidence of contaminated was identified during the field screening and groundwater was not encountered.

In order to identify representative conditions for disposal purposes, waste classification (WC) samples were collected as follows:

- WC-1: composited of soil from borings SB-01 through SB-04 (grade to bottom);
- WC-2: composited of soil from borings SB-05 through SB-08 (grade to bottom); and
- WC-3: composited of soil from borings SB-9 through SB-12 (grade to bottom).

Soil classification information, including stratigraphy, is documented on the boring logs included in Appendix B. All boring equipment was cleaned by being rinsed with tap water, scrubbed with Alconox, then rinsed with deionized water again between each sample interval. In addition, a clear plastic liner was used inside the sampler for neat recovery of the soil cores. Following the completion of each boring, the boreholes were back-filled with drill cuttings, and then sealed with cement grout or asphalt, if appropriate.

### 3.2 Groundwater Quality Investigation

In the Phase II SCI Work Plan dated January 14, 2010, Weston proposed the installation of two (2) temporary well points (TWPs) and the collection of two (2) groundwater samples to be analyzed for New York City Department of Environmental Protection (NYCDEP) Sanitary and Combined Sewer Discharge Parameters; however, groundwater was not encountered during this Phase II SCI at the maximum boring depth of 13 ftbg and no groundwater samples were collected. As a result, the groundwater quality beneath the Corridor could not be assessed. Based on review of topographic mapping, groundwater is expected to be approximately five to 10 ftbg.

### 3.3 Laboratory Analyses

The soil and groundwater samples were submitted Hampton-Clarke Veritech (HC-V), of Fairfield, New Jersey, a NYS Department of Health (NYSDOH) approved laboratory (No. 11408). Field derived Quality Assurance/Quality Control samples (i.e. field blank, trip blank, duplicate) were not collected for this project. Laboratory analytical reports are included in Appendix C.

The grab soil samples were analyzed for United States Environmental Protection Agency (EPA) Target Compound List (TCL) volatile organic compounds (VOCs) by Method 8260. The boring composite soil samples were analyzed for: (1) TCL Base Neutral/Acid (BN/A) extractable SVOCs by EPA Method 8270; (2) Target Analyte List (TAL) metals by EPA Method 6010B; (3) TCL pesticides by EPA Method 8081A; and (4) TCL polychlorinated biphenyls (PCBs) by EPA Method 8082.

The waste characterization soil samples were analyzed for: (1) the EPA Full Toxicity Characteristics Leaching Procedure (TCLP) parameters; (2) the Resource Conservation and Recovery Act (RCRA) WESTON SOLUTIONS OF NEW YORK, INC

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Characteristics (ignitability, reactivity and corrosivity); and (3) Total Petroleum Hydrocarbons Diesel Range Organics/Gasoline Range Organics (TPHC DRO/GRO).

The groundwater samples were analyzed for parameters published by NYCDEP as Sanitary and Combined Sewer Discharge Parameters.

### 3.4 Data Evaluation

In order to evaluate the subsurface soil quality, the laboratory analytical results of the grab and composite soil samples were compared with the regulatory standards identified in: (1) NYSDEC Technical and Administrative Guidance Memorandum #4046 (TAGM) dated 1994, which provides the Recommended Soil Cleanup Objectives (RSCOs) at NYSDEC Inactive Hazardous Waste and Spill sites, based on health-related concerns and available clean-up technologies, and the Eastern USA Soil Background Concentrations for metals; (2) NYSDEC STARS 1992 Memo #1 Petroleum Contamination Soil Guidance Policy Toxicity Characteristic Leaching Procedure (TCLP) Alternative Guidance Values; and (3) NYSDEC Subpart 375-6: Remedial Program Unrestricted and Restricted Use (Track 1 and Track 2) Soil Cleanup Objectives (SCOs). The laboratory analytical results of the waste classification soil samples were compared with the Toxicity Characteristic Regulatory Levels for Hazardous Waste published in RCRA and NYSDEC Part 371. The analytical results of the groundwater samples were compared to the NYCDEP Sewer Discharge Criteria.

### 4.0 FINDINGS

This section discusses the analytical data and findings for the activities discussed in Section 3.0. Boring logs and well installation records can be found in Appendix B. Complete analytical data reports are included in Appendix C.

### 4.1 Field Screening

Based on the results of field screening, no evidence of contamination was encountered during the subsurface investigation. No PID readings were detected above background concentrations of 1.0 part per million (ppm) and no evidence of visual, olfactory, or petroleum contamination was observed in any of the advanced soil borings. Additionally, no visual or olfactory evidence of petroleum contamination or other contamination was encountered during the collection of groundwater samples. Refer to Table 1 for a summary of environmental boring data.

### 4.2 Soil and Groundwater Laboratory Analytical Results

### 4.2.1 Volatile Organic Compounds (VOCs) in Soil

No VOCs were detected in the soil samples collected from soil borings SB-01 through SB-12 at concentrations exceeding TAGM RSCOs, STARS TCLP AGVs or Unrestricted Use (Track 1) SCOs.

Acetone and methylene chloride were detected at concentrations below applicable standards in borings SB-4, SB-5 and SB-9. Acetone and methylene chloride are common laboratory contaminants and most likely not representative of subsurface conditions. 1,3,5-trimethylbenzene, a common by-product of hydrocarbon combustion, was also detected below applicable standards in soil boring SB-03 collected in the vicinity of "Moderate" risk site.

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Refer to Table 2 for a summary of TCL VOC detections.

### 4.2.2 Semi-Volatile Organic Compounds SVOCs) in Soil

SVOCs were detected in seven of the 12 composite samples collected. Benzo(a)anthracene benzo(a)pyrene, chrysene, and dibenz(a,h)anthracene were detected at concentrations exceeding TAGM RSCOs in the following soil samples: SB-01, SB-02, SB-03 and SB-05. Indeno(1,2,3-cd)pyrene was detected at a concentration exceeding Unrestricted Use (Track 1) SCOs in soil sample SB-03. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, chrysene, indeno(1,2,3-cd)pyrene, and/or pyrene were detected at concentrations exceeding STARS TCLP AGVs in the following samples: SB-01 through SB-05. The SVOCs are likely indicative of the presence of historic fill material placed in the Corridor.

Refer to Table 3 for a summary of TCL SVOC detections.

### 4.2.3 Target Analyte List Metals (TAL Metals) in Soil

Metals were detected in all 12 composite samples collected. Mercury, copper, magnesium, nickel, and zinc were detected above their corresponding TAGM RSCOs and/or Eastern United States (EUS) background levels in all 12 of the composite samples collected. Mercury, lead, and/or zinc were detected above their corresponding Unrestricted Use (Track 1) SCOs in the following samples: SB-01, SB-02, SB-03, SB-04, SB-07 and SB-09. The elevated metals exceedences are likely attributed to contaminants in historic fill material placed throughout the Corridor. Lead was also detected at a concentration exceeding 20 times RCRA Hazardous Waste Levels in the following samples: SB-01, SB-02, SB-03 and SB-09. Waste classification of area composite samples WC-01 and WC-03 (refer to section 4.2.6) did not identify exceedences of hazardous waste criteria for lead published in RCRA and NYSDEC Part 371.

Refer to Table 4 for a summary of TAL metals detections.

### 4.2.4 Pesticides in Soil

Pesticides were detected in five of the 12 composite samples. 4,4 DDE and/or 4,4 DDT were detected in samples SB-01, SB-02 and SB-03 at concentrations that exceed the Unrestricted Use (Track 1) SCO. These detections are likely attributed to contaminants in historic fill material placed throughout the Corridor.

Refer to Table 5 for a summary of pesticide detections.

### 4.2.5 PCBs in Soil

PCBs were detected in two of the 12 composite samples (SB-01 and SB-02), at a concentration below applicable standards. These detections are likely attributed to contaminants in historic fill material placed throughout the Corridor. Refer to Table 6 for a summary of PCB detections.

### 4.2.6 Waste Classification of Soil

Ignitability (flash point), reactivity (cyanide and sulfide), and corrosivity (pH) were within the acceptable RCRA ranges. TCLP VOCs, SVOCs, metals, herbicides, pesticides, and PCBs were not detected in the three (3) waste classification soil samples (WC-01, WC-02 and WC-03). TPH DRO/GRO was detected at concentrations ranging from 230 mg/kg to 1,400 mg/kg in samples WC-01 and WC-02. There are no

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regulatory standards for TPHC DRO/GRO. The waste classification samples are composites; therefore the elevated TPHC DRO/GRO concentrations cannot be attributed to a specific incident. It is most likely due to historic operations or the fill material present throughout the Corridor. Analytical results will need to be compared to levels acceptable by the chosen receiving facility to determine appropriate waste classification prior to off-site disposal. Refer to Table 7 for a summary of TCLP parameters, RCRA characteristics and TPH DRO/GRO results.

### 5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the evaluation of the field screening data and the laboratory analytical results, and a comparison to applicable regulatory standards, the following conclusions are presented:

- Field screening did not identify evidence of petroleum-impacted soils;
- Subsurface soils contain elevated concentrations of SVOCs, metals and pesticides which are attributed to contaminants in historic fill placed in the Corridor;
- The subsurface soils did not exhibit hazardous waste characteristics;
- Groundwater was not encountered during the Phase II SCI activities at the maximum boring depth of 13 ftbg. Groundwater is expected to be encountered between approximately 5 and 10 ftbg. Due to the expected depth of proposed construction, dewatering may be necessary.

Based on the results of the field investigation and laboratory analytical results, WESTON recommends the following:

- The Contract documents should identify provisions and a contingency for managing, handling, transporting and disposing of non-hazardous contaminated soil (SVOCs, metals, and pesticides). The Contractor should be required to submit a Material Handling Plan, to identify the specific protocol and procedures that will be employed to manage the waste in accordance with applicable regulations;
- Unrestricted Use (Track 1) SCOs in the investigated sites, dust control procedures are recommended during excavation activities to minimize the creation and dispersion of fugitive airborne dust. The Contractor may implement dust control measures to minimize potential airborne contaminants released as a direct result of construction activities. A Community Air Monitoring Plan (CAMP) shall be developed in accordance with NYSDEC DER-10 Regulations. The CAMP requires real-time monitoring for VOCs and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is intended to provide a measure of protection for the downwind community from potential airborne contaminant releases as a direct result of investigative and remedial work activities. Specific requirements shall be reviewed for each situation in consultation with NYSDOH to ensure proper applicability;
- Groundwater was not encountered during this Phase II SCI; however, dewatering may be necessary during construction activities in the Corridor. If groundwater is encountered during construction activities and dewatering is determined to be necessary within the Corridor, a groundwater sample should be collected and analyzed for NYCDEP Sanitary and Combined Sewer Discharge Parameters. Based on the results of laboratory analyses for NYCDEP Sewer Discharge Criteria, groundwater may require pretreatment prior to discharge to sanitary or combined sewers. The contractor will be

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required to obtain a NYCDEP sewer discharge permit and perform sampling and laboratory analysis prior to discharge into sanitary and combined sewers;

- In addition, if discharge into storm sewers is required during dewatering, it must be done under the appropriate NYSDEC State Pollutant Discharge Elimination System (SPDES) permit. Additional sampling and laboratory analysis will be required to satisfy NYSDEC requirements prior to discharge into storm sewers; and
- Before beginning any excavation activity, the contractor shall submit a site-specific health and safety plan (HASP) that will meet the requirements set forth by the Occupational, Safety and Health Administration (OSHA), the New York State Department of Health (NYSDOH) and any other applicable regulations. The HASP should identify the possible locations and risks associated with the potential contaminants that may be encountered, and the administrative and engineering controls that will be utilized to mitigate concerns (i.e. dust control procedures for SVOCs, metals and pesticides).



### 6.0 STATEMENT OF LIMITATIONS

The data presented and the opinions expressed in this report are qualified as stated in the attachment to this section of the report.

Report Prepared By: '

KIN

Ronald Meloskie, CHMM, LEED AP Project Manager

Report Reviewed By:

Steven Eget, P.E., CEM Contract Executive

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### STATEMENT OF LIMITATIONS

The data presented and the opinions expressed in this report are qualified as follows:

The sole purpose of the investigation and of this report is to assess the physical characteristics of the Site with respect to the presence or absence in the environment of oil or hazardous materials and substances as defined in the applicable state and federal environmental laws and regulations and to gather information regarding current and past environmental conditions at the Site.

WESTON derived the data in this report primarily from visual inspections, examination of records in the public domain, interviews with individuals with information about the Site, and a limited number of subsurface explorations made on the dates indicated. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.

In preparing this report, WESTON has relied upon and presumed accurate certain information (or the absence thereof) about the Site and adjacent properties provided by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, WESTON has not attempted to verify the accuracy or completeness of any such information.

The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Services, including the extent of subsurface exploration and other tests. The Scope of Services was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the Site.

Because of the limitations stated above, the findings, observations, and conclusions expressed by WESTON in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, and conclusions expressed in this report. Further, such data, findings, observations, and conclusions are based solely upon site conditions in existence at the time of investigation.

This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the Agreement and the provisions thereof.



### **TABLES**

TABLE 1 – SUMMARY OF FIELD INVESTIGATION

TABLE 2 – SUMMARY OF TCL VOCs DETECTED IN SOIL

TABLE 3 – SUMMARY OF TCL SVOCs DETECTED IN SOIL

TABLE 4 – SUMMARY OF TAL METALS DETECTED IN SOIL

TABLE 5 – SUMMARY OF PESTICIDES DETECTED IN SOIL

TABLE 6 –SUMMARY OF PCBs DETECTED IN SOIL

TABLE 7 – SUMMARY OF WASTE CLASSIFICATION PARAMETERS IN SOIL

Phase II Subsurface Corridor Investigation for Reconstruction of Grand Concourse Table 1. Summary of Environmental Boring Data Bronx, New York

	T			<del> </del>	T -	T		_	Υ	7	-	7
Other Comments	Fill from 0-2 ftbgs	Fill from 0-1.5 ftbgs	Fill from 0-1.5 ftbgs	Fill from 0-2 ftbgs	Fill from 0-1.5 ftbgs	Fill from 0-9ftbgs	Fill from 0-2 ftbgs	Fill from 0-3 ftbgs	Fill from 0-5 flbgs	Fill from 0-10 ftbgs	Fill from 0-7.5 ftbgs	Fill from 0-8 ftbgs
Total Depth (ftbgs)	2	1.5	1.5	2	1.5	13	2	3	12	10	8	80
Depth to Water (ftbgs)	NA AN	A A	NA	AN	Ą	ΑN	AN	A N	A X	¥.	¥	¥
Metals Exceed (Yes/No) <sup>1</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Total SVOCs (mg/kg)	8.17	4.37	11.10	0.08	2.28	Q	0.50	0.16	9	Q	Q	Q
Total VOCs (mg/kg)	0.0013	0.041	0.018	QN	ND	QV	QN	Q	0.0064	QN QN	Q	QN
Sample interval (ftbg)	1.5-2	1.5-2	1.5-2	1.5-2	1-1.5	12.5-13	1.5-2	2.5-3	11.5-12 0.5-12	9.5-10 0-10	7.5-8	7.5-8
PID (ppm)	0	0	0	0	0	0	0	0	0	0	0	0
Boring No.	SB-01	SB-02	SB-03	SB-04	SB-05	SB-06	SB-07	SB-08	SB-09	SB-10	SB-11	SB-12

## Notes:

Metal(s) exceeds TAGM 4046 or Eastern USA Soil (EUS) Background guidance values or Unrestricted Use (Track 1) SCOs.
 All soil samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds, Semi-Volatile Organic Compounds (SVOCs)

Pesticides, PCBs and Target Analyte List (TAL) Metals. ND = Compound not detected above method detection limit (see attached lab report for mdl's)

ftbgs = feet below ground surface

ppm = parts per Million or mg/kg NA = not applicable

NE = not encountered

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Table 2, Summary of Target Compound Llat Volatile Organic Compounds Detected in Soil Phase II Subsurface Cornfort Investigation for Reconstruction of Grand Concourse Broxs, New York

New York City Department of Design and Construction Reconstruction of Grand Concourse, Brons, NY

47-0		185.5B.12.08	ngu.		,	_	-	2
Ol olumba 10		6185.58	30/0/2	200		S	5	111
Sample In Date	Collect and Depth	6185-58-11-08	2/11/2010	7.50	0.0.1	2	S	
Sample 10. Dafe	, 65	6185-SB-10-10	2/9/2010	9 5 40	200	Ş	2	
Sample ID. Date	Collect and Depth	6185-SB-09-12	2/9/2010	11 5.12		MD	2	
Sample ID. Date	Collect and Depth	6185-SB-08-03	2/8/2010	25.3		ON.	QN	
Sample ID, Date	-	6185-SB-07-02	i	l		ON.	2	
Sample ID, Date	Collect and Depth	6185-SB-06-13	2/11/2010	12.5-13		S	ş	
Sample (D, Date	Collect and Depth	6185-58-05-2.5	2/9/2010	1.15		2	Š	0,00
Sample ID, Date	Collect and Depth	6185-SB-04-1,5	2/9/2010	1.5-2	9	2	0.028	2000
Sample IO, Date	Collect and Depth	6185-58-03-1.5	2/9/2010	1-1.5	4,50,0	0.0013	Ş	-
Sample ID, Date	Collect and Depth	6185-SB-02-02	2/9/2010	1.5	CIA		DZ.	S
Sample ID, Date	Collected and Depth	6185-SB-01-03	2/9/2010	1.5-2	S	200	2	Ş
TAGM #4048	Recommended	100	da-usalo	Objective	SN		2.0	
	STAKS ICLE	Culdanat Value	Sanda waldes		0.1	VOIN		252
Unrestricted Use	(Track 1)	Soll Cleanup	Objectives (SCOs)		8.4	900	9000	3
	TCL VOC				1,3,5 Trimethrybenzene	Aceipne	Methydene chloride	DOLLOW CHICAGO

Notes:

All concentrations are reported in parts per million (ppm or ingling)

All concentrations are reported in parts per million (ppm or ingling)

ND - Compound detected before melliod detection brill (see all the life to the provided set of the State of the Sta

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# Table 3. Summary of Target Compound List Sami-Volatile Organic Compounds, Detected in Soil Phase if Subsurface Corridor Investigation for Reconstruction of Grend Concourse Brons, New York

	Unrestricted Use		_	Sample ID, Date	Sample ID, Date	Sample ID, Date	Sample ID, Date	Sample ID Date	Sample ID, Date	Sample (D, Date	Sample ID, Date	Sample IO, Date	Sample ID, Date	Sample ID, Date	Sample (D, Date							
JONS ISE	(Treck 1)	STARS TCLP	TAGM #4046	Collected and Depth	Collected and Depth   Collected and Depth		2016	Soil Cleanup	Alternative	Recommended Soft	8185-SB-01	8185-SB-02	6185-SB-03	6185-SB-D4	6185-SB-05	8185-SB-06	6185-SB-07	6185-SB-08	6185-58-09	6185-SB-10	6185-SB-11	6185-SB-12-08
	Objectives (SCOs)	Guldance Values	Clean-up Objective	2/9/2010	2/9/2010	2/8/2010	2/9/2010	2/9/2010	2/11/2010	2/8/2010	2/8/2010	2/9/2010	2/9/2010	2/11/2010	2/9/2010							
				0.5-2 ft	0,5-1,5 ft	0.5-1.5 ft	0.5.2 ft	0,5-1.5 ft	0.5-13 ft	0.5-2 N	0.5-3 ft	0.5-12 ft	0.5-10#	0.5-8.11	0.5-8-8							
Henzo(a)anthracene		0.00004	0.224	0.58	0.20	0.76	CV	623	CZ	S	GN	CN	GN	Ç	Ş							
Benzo(a)pyrene	-	0.00004	0.081	0.61	0.24	0.70	S	0.22	Ş	S	S	S	CZ	5	Ş							
Benzo(b)Iluoranthene	-	0.00004	:	0.75	0.33	-	0.081	0.70	S	9	S	QN	S	Ş	9							
Benzo(g,h,l) parylene	<u>B</u>	0.00004	50	0.47	0.18	0.65	S	0.00	S	5	CN	S	S	Ş	2							
Benzok/Nuoranthene	0.8	0.00004	1.1	0.31	2	200	S	S	Q	S	GN	Ş	S	S	5							
Benzolo scid	SS	NGV	NS	-8	9	SN SN	Q	9	2	2	2	2	9	9	2							
bis (2-Effythexyd) phthaiate	SN	NGV	90	0.30	8.	2.5	S	9	Q.	0.50	QV	S	QV.	Q	9							
Burybenzyomnalare	S	NGV	SN	9	QN	Q	QV	Ç	Q	QV	2	QN	QN	S	CZ.							
Carbazole	NS	NGV	SS	Q	g	2	Ð	S	Q	S	2	Q	2	2	2							
Chrysene		0.00004	0.4	0.57	0.28	2.68	2	0,19	S	2	S	모	₽	Q	2							
Dioenzo a, n anthi acene	0.33		0.014	QV	QZ.	0.33	CN CN	Q	Q	QN.	£	CN CN	Q	Q	2							
Di-n-octyphihalate	SZ	NGV	50	QV	2	9	S	2	S	Q	0.16	£	2	ę	9							
Froranthene	100	ļ	50	1.0	0.54	1.3	QN	0.39	QN	QV	SZ.	Q	Q	Ş	QN							
Indeno (1,2,3-cd) pyrane	0.5	0.0004	3.2	0.41	0.16	0.57	Q	0.15	9	CN	- QV	QN	QV	- Q	QN							
Phenanthrene	190	-	50	0.41	0.29	0.72	GN	0.25	CN	GN	Q	2	2	S	CN							
Pyrene	139		90	0.98	0.40	14	, CZ	78.0	CZ	S	S	2	Ş	CN	S							

Compound not develed them the quantitative shall be proved for modes)

Compound and develed shall be quantitative shall be proved for modes)

See The Compound above the quantitative shall be proved for modes)

Compound develed shall be quantitative shall be proved the proved for the proved shall be proved for the proved for the proved shall be proved to the proved for the proved shall be proved to the proved for the proved for the proved shall be proved to the proved for the proved

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# Table 4. Summary of Terget Anniyle List Metais Detected in Soll Phase II Subsurface Corridor Investigation for Reconstruction of Grand Concourse Bronz, New York

		_	Uncastricted Hea		TACAS MOAT	Sample ID, Date	Sample ID. Date	Sarrole ID. Date	Sample 10, Date	Sample ID, Date	Sample 10, Date	Sample ID. Date	Sample fD, Date	Sample ID, Date	Sample ID. Date	Sample ID. Date	Sample ID. Date
Target Analyte List	t Havardour Waste	Z0 Highes RCRA	(Track 11 Soil	Eastern USA Soil	Recommended Soll	,	Collected and Depth	Collected and Depth	Collected and Dapth	Collected and Depth	Collected and Depth.	Collected and Depth					
Motai	are par announce .	_	Cleanup Objective		Clean-up Objective	_	8185-SB-02	6185-58-03	6185-SB-04	6185-SB-05	8185-SB-06	6185-SB-07	8185-SB-08	8185-SB-09	6185-SB-10	8185-58-11	6185-SB-12-08
	(militur) essays	Cevers	(300)		(RSCO)	2/9/2010	2/9/2010	2/9/2010	2/9/2010	2/9/2010	2/11/2010	2/8/2010	2/8/2010	2/9/2010	29/2010	27172010	2/9/2010
Marchine				1		0.5-2 ft	0.5-1.5 €	0.5-1.5 ft	0.5-2 ft	0.5-1.5 ft	0.5-13.ft	0.5.2 ft	0.5-3 ft	0.5-12#	0.5-10 ft	05-8 ft	0.5-8 ft
and and	-		0.18	0.001-02		0.23	6.24	6.12	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	QN	S S	0.24	ΩN	QV	QN	ON	CN.
Auminum	2	SZ	SS.	33000		6,800	11,000		13,000	5,800	15,000	18,000	13,000	12,000	5,800	6.300	14.000
Portion	2	8	13	3.12	7.5 or 5B	4.6	7.3	2.6	2.2	ş	2	2	ş	49	QN	Ş	2
Day of the second	9	2000	350	15 - 600	300 or SB	110	10	18	190	72	240	240	140	683	36	S.	53
and and and	000	SN	7.2	0-1.75	0.16 or SB	0.74	Ξ	Ş	0.90	S.	0.95	760	0.82	1.2	2	2	0.86
Calcula	02	AS.	SN	130 - 35000	59	2,600	5,800	18,000	20,000	59,000	3,200	1,800	2,900	34,000	63,000	22.000	160 000
Cinding	0	00	30	1.5 - 40	10 or SB	15	23	17	25	63	32	29	27	26	6)	17	27
Copsil	SNS	S	SS	2.5 - 60	30 or SB	6.0	=	-	80	57	2	12	13	9.5	63	5.5	5.4
Coppe	SN S	NS	50	1.50	25 or SB	37	2	9	89	22	35	14	-8	88	25	9	16
100	NO.	ş	SN	2000 - 550000	2000 or SB	10,000	23,000	12,000	27,000	11,000	29.000	30,000	23,000	23,000	13,000	11,000	15,000
. 690	0	200	63	200.	æ	100	130	110	32	22	9.1	22	92	110	5.6	2	15
Manage Ballan	200	SZ	Ş	100 - 5000	SB	2,100	5,000	7,260	7,200	20,600	7,300	7.800	6,000	22,000	38,000	12,000	16,000
Mangariese	NS.	SN	1,600	50 - 5000	88	210	380	200	350	180	980	230	240	490	340	180	340
Nickei	SNS	SN	30	0.5 -25	13 or SB	13	25	18	5	2	35	23	×	20	9	13	9
Potassion	2	S	SS	8500 - 43000	88	1,700	3,100	2.500	8,500	2,200	8,200	11,000	5,900	2,900	300	2,200	8.800
The second	000	N.	SN	6000 - 6000	SB	Q	710	Q	QV	350	750	GZ.	ĠΝ	Q	580	930	QN
A STREET, STRE	ON.	n N	SN	1-300	150 or SB	23	9	24	+	53	45	48	88	38	23	22	27
ZINC	2	NS	109	96.50	20 or SB	120	418	230	2	F		66	1.8	120		95	GP CF

Votes:

(M. 5 Anomatide in sea in part per million (pern or may so)

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# Table 5. Summary of Petticides Detected in Soil Phase II Subsurface Corridor Investigation for Reconstruction of Grand Concourse Bronx New York

The Part of the Pa															
	Unrestricted lise			Sample ID, Date	Sample ID, Date	Sample 10, Date	Sample ID, Date	Sample ID, Date	Sample ID, Date	Sample ID, Date	Sample 10, Date				
	(Track 1)		STARS TCLP TAGM #4046	Ę	Collected and Depth	<b>Jepth</b>	Collected and Depth   C	Collected and Depth	Collected and Depth	Diffected and Depth					
Pesticides	Soft Cleanup	Alternative	Recommended Soil	6185-SB-01	6185-SB-0Z 6185-SB-	6185-SB-03	6185-58-04	6185-SB-05	6185-58-08	6185-SB-07	6185-SB-08	6185-SB-08	6185-SB-10	6185-59-11	6185-58-12-08
	Objectives (SCOs)	Guldance Values	Guidance Values   Chan-up Objective	2/9/2010	2/9/2010	2/9/2010	2/9/2010	2/9/2010	2/11/2010	2/8/2010	2/8/2010	2/9/2010	2/9/2010	2/11/2010	2/9/2010
					0.5-1,5 ft	0.5-1.5 ft	0.5-2 ft	0.5-1.5 ft	0.5-13#	0.5-2 R	0.5-3 ft	0.5-121	0.5-10 ft	0.5-8 R	0,5-8 ₪
Chlordane	0.094	NGV	0.54	0.56	0.014	0.031	S	0.024	GN.	æ	Ş	Q	9	Q	Q
Dieldrin	0.003	NGV	0.044	0,0038	GN.	CN	S	0.0050	2	QN	QN	Q	ON.	Q.	Q.
4.4-DDE	0 0033	NGV	2.1	0.018	0.0074	0 0062	Q	QV	QN	Q	SN SN	Q	QN ON	ON	Q
4.4-DDT	0.0033	702	9.4	8000	0 0069	-	9	AID.	44	9 0034	CZ.	GN	CN	S	CN

Notes:

All connectivations are reported in parts per million (peen or might)

All connectivations are reported in parts per million (see attached lab report for molfs)

NS = No Standard

A Periodicular per million which is a set of the Manual Connection in the Connection of Connection of the Connec

Weston Solutions of New York, Inc DDC Project Number: HXP136A

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Table 8. Summary of Polychlorhasted Biphanyis Detected in Soft Phase ff Subauriace Corridor investigation for Reconstruction of Grand Concourse Bronx, New York

New York City Department of Design and Construction Reconstruction of Grand Concourse, Bronx, NY

		T	T	Г	T
	Sample ID, Date	6165-SH-12-08	2/9/2010	0.5-8 ft	GV
	Sample ID, Date	6185-SB-11	2/11/2010	0.5-8 ft	ž
	Sample ID, Date	8185-SB-10	2/9/2010	0.5-10 ft	ĠŇ
	Sample ID, Date Collected and Denth	6185-SB-09	2/9/2010	0.5-12#	2
	Sample fO, Date Collected and Deoth	6185-SB-08	2/8/2010	0.5.3 ft	Q
	Sample ID, Date Collected and Depth	6185-SB-07	2/8/2010	0.5-2 ft	SN
	Sample ID, Date Collected and Depth	6185-SB-06	2/11/2010	0.5-13 ft	£
	Sample ID, Date Collected and Depth	6185-SB-05	2/9/2010	0,5-1,5 ft	QV.
	Sample ID, Date Collected and Depth	6185-SB-04	2/9/2010	0.5-2 ft	QN
	Sample ID, Date Collected and Depth	6185-58-03	2/9/2010	0.5-1.5 R	QN
	Sample ID, Date Collected and Depth	6185-58-02	2/8/2010	0.5-1.5#	0.057
	Sample ID, Date Collected and Depth	8185-SB-01	0102/6/2	U.O-Z II	0.074
	TAGM #4048	Hecommended Soil	Accorded Collectors	, 2, 3,	1.0 (Suhendace)
	STARS TOLP	Guidance Vehine			NGV
	Unrestricted Use (Track 1)	Soil Cleanup	Opjectives (SCOs)		6
		}	_		PCBs
_	_				_

Mobes:

All coccurrentions are reported in parts per million (ppm or mg/kg)

MD = Compound on detected above melliod detected hand (see alteched but proff for md/s)

MD = Compound on detected above melliod detected hand (see alteched but proff for md/s)

J = Compound on detected above the quantilation find

B = Compound detected below the quantilation find

A Compound of the see and the Market See and Administrative Coldinare Mannearadum (TACAM #040) Recommended Sea Clearup Objectives (RSCOS) (January 24, 1984)

A SEC SEC STANS MARKET CENTROL OF A Performant Contemination of MYCHES (September 14, 2004)

A MASS TCLP Administrative Coldinare Market see the Seaf Technology and Secretation Seeds (Standard Program Seaf Clearup Objectives (December 14, 2004)

A MASS TCLP Administrative of MYCHES (Seaf Clearup Objective)

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### Table 7. Summary of Waste Classification Parameters in Soil Phase II Subsurface Corridor Investigation for Reconstruction of Grand Concourse Bronx, New York

	TCLP RCRA	Hazardous		D and Date lected		D and Date lected		D and Date lected
Parameter	Waste		6185	-WC-01	6185	-WC-02		-WC-03
	<u> </u>		2/11	/2010	2/11	1/2010	2/11	/2010
Total Petroleum Hydrocarbons	NS	mg/L	1,400	mg/Kg	230	mg/Kg	ND	mg/Kg
Cyanide (Reactive)	250	mg/K	ND	mg/Kg	ND	mg/Kg	ND	mg/Kg
Ignitability	140	۱°F	NEG	N/A	NEG	N/A	NEG	N/A
pH	>2.5 and <12		9.1	N/A	11	N/A	10	N/A
Sulfide (Reactive)	500	mg/Kg	ND	mg/Kg	ND	mg/Kg	ND	ma/Ka
1,1-Dichloroethene	0.7	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
1,2-Dichloroethane	0.5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
1,4-Dichlorobenzene	7.5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
2-Butanone	200	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Benzene	0.5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Carbon tetrachloride	0.5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Chlorobenzene	100	mg/L	ND	mg/L	ND	ma/L	ND	mg/L
Chloroform	6	mg/L	0.0010	mg/L	0.0011	mg/L	0.0012	mg/L
Tetrachloroethene	0.7	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Trichloroethene	0.5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Vinyl chloride	0.2	mg/L	ND	mg/L	ND	mg/L	ND	ma/L
2,4,5-Trichlorophenol	400	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
2,4,6-Trichlorophenol	2	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
2,4-Dinitrotoluene	0.13	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
2-Methylphenol	200	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
3&4-Methylphenol	200	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Hexachlorobenzene	0.13	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Hexachlorobutadiene	0.5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Hexachloroethane	3	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Nitrobenzene	2	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Pentachlorophenol	100	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Pyridine	5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Mercury	0.2	mg/L	ND	ma/L	ND	mg/L	ND	mg/L
Arsenic	5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Barium	100	mg/L	0.45	mg/L	0.57	mg/L	0.58	mg/L
Cadmium	1	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Chromium	5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Lead	.5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Nickel	NS	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Selenium	1	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Silver	5	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Chlordane	0.03	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Endrin	0.02	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
gamma-BHC	0.4	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Heptachior	0.008	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Heptachlor Epoxide	0.008	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Methoxychlor	10	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Toxaphene	0.5	mg/L	ND	mg/L	ND	mg/L	ND I	mg/L
2,4-D	10	mg/L	ND	mg/L	ND	mg/L	ND	mg/L
Silvex	1	mg/L	ND	mg/L	ND ND	mg/L	ND	mg/L

All concentrations are reported in parts per million (ppm or mg/L) or parts per billion (ppb or ug/L)

N/A = Compound or sample characteristic not analyzed

NS = No Standard

ND = Compound not detected above method detection limit (see attached lab report for mdl's)

BOLD = Positive Detection

Shaded = Concentration exceeds RCRA Hazardous Waste Level

Weston Solutions of New York, Inc. DDC Project Number: HXP136A

March 11, 2010

Work Order Letter No. 6185-Weston-6137



### FIGURE 1 – TOPOGRAPHIC CORRIDOR LOCATION MAP

P: \NYC\_DDC\GIS\CAD\0210\_Grand\_Concourse\07650\_Site\_Loc.dwa

0.

0.5

1.0

1.5



FIGURE 2 – SAMPLE LOCATION PLAN

WC-02 SB-06 WC-01 SB-02 SB-03 Mar 10, SB-01 NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION LEGEND: - HIGH RISK BORING Weston Solutions of New York 205 Campus Drive, Edison, New Jersey - MODERATE RISK BORING DDC PROJECT NO. HWXP136A WDL NO. 6185-Weston-6137 BORING LOCATION PLAN EXTENT OF CORRIDOR LOCATION A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS

SOURCE: Google Earth Pro SCALE: 1" = 270'

P: \NYC\_DDC\GIS\CAD\0210\_Grand\_Concourse\07551\_Bore\_Loc.dwg

WASTE CLASS AREA BOUNDARY

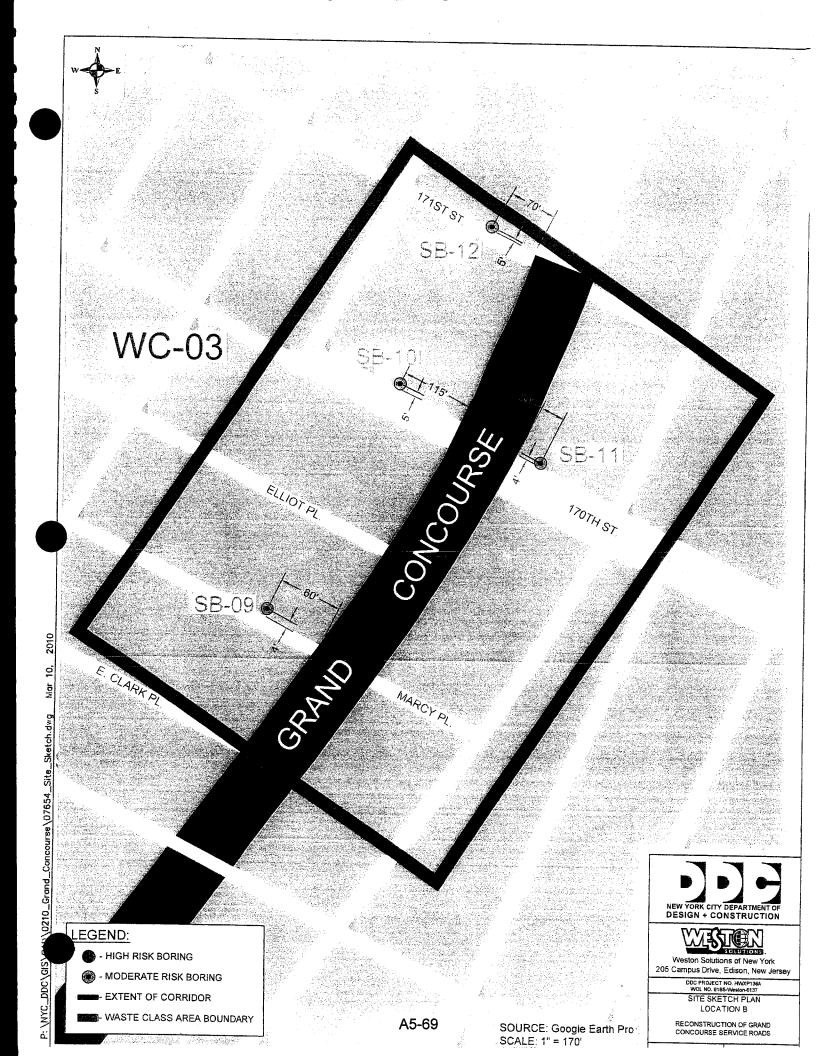


SOURCE: Google Earth Pro

SCALE: 1" = 170'



# APPENDIX A BORING LOCATION SKETCHES



A5-70

SOURCE: Google Earth Pro

SCALE: 1" = 270'

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS

P: \NYC\_DDC\GIS\CAD\0210\_Grand\_Concourse\07653\_



## APPENDIX B GEOLOGIC BORING LOGS

,	WY3X	N.E.			Drillir	ng Log		BORING ID:	SB-01	
	Prostoring Low	STRUMENTS:				_		WELL ID:	N/A	
		· · · · · · · · · · · · · · · · · · ·			Page	1 of 1		LOCATION:	Bronx, NY	
CLIENT	New Yor	k City De	partment	of Design	and Cons	struction		PROJECT No:	HXP136A	<del></del>
PROJEC Streets	CT: Recor	struction	of Grand	Concours	e betwee	n 166th a	ind 171st	FMS ID #:	PW335ES13	
DRILLIN	IG CONTI	RACTOR	: Aquifer [	Orilling and	d Testing			WOL #:	6185-Weston-61	37
DRILLIN	G METH	OD: Geop	robe					DATE STARTED:	2/9/2010	
	BOREHO	LE DATA	1	L	WELL	DATA		DATE FINISHED:	2/9/2010	
Diamete	r (in):		2	Well Dia	meter:		N/A	DRILLER:	A. Babel	
Total De	pth:		2	Total De	pth (ft):		N/A	WESTON INSPECTOR:	E. Rubin	
Depth to	Refusal	(ft):	2	Screen L	ength (fi	t):	N/A	NORTHING:	N/A	
Depth to	Water (f	t):	N/A	Depth to	Water (f	t):	N/A	EASTING:	N/A	
Depth to	Rock (ft	):	2	Slot Size	):		N/A	SURFACE ELEVATION:	N/A	
	te sample			1-01-02 co			2 feet bgs			
Well	Depth Interval (ft)	USCS Classification	Sample interval	Sample Recovery (in)	Blows / 6 in	PID (std units)		Lithologic Description	1	Remarks
	0.50					0.0		CONCRETE	<del></del>	
	1.0	Fili		18	N/A	0.0				7
	1.5			.0	177	0.0	Dark	brown f-SAND, some silt, trac	e f-m gravel, dry	
	2.0					0.0	1		•	
				DE	LICAL AT			BEDROCK		

MATE TO A	l		Drillin	ng Log		BORING ID:	SB-02	
Partning Resource File server	!			_		WELL ID:	N/A	
		<u></u>	Page	1 of 1		LOCATION:	Bronx, NY	
CLIENT: New York City De	partment	of Design	and Cons	truction		PROJECT No:	HXP136A	
PROJECT: Reconstruction Streets	of Grand	Concours	e betweer	166th ar	nd 171st			
						FMS ID #:	PW335ES13	
PRILLING CONTRACTOR		Orilling and	Testing			WOL#:	6185-Weston-613	37
RILLING METHOD: Geo	probe					DATE STARTED:	2/9/2010	
BOREHOLE DAT	Ά		WELL	DATA		DATE FINISHED:	2/9/2010	
liameter (in):	2	Well Dia	meter:		N/A	DRILLER:	A. Babel	
otal Depth:	1.5	Total De	pth (ft):		N/A	WESTON INSPECTOR:	E. Rubin	
epth to Refusal (ft):	1.5	Screen L	ength (ft	):	N/A	NORTHING:	N/A	
epth to Water (ft):	N/A	Depth to	Water (fi	t):	N/A	EASTING:	N/A	
epth to Rock (ft):	1.5	Slot Size	):		N/A	SURFACE ELEVATION:		
OTES: VOC grab sample	e 6185.SB	-02-1 E co	llooted fr	2m 1 to 1	F 4			
NOTES: VOC grab sample 6185-SB-02-1.5 collected from 1 to 1.5  Composite sample 6185-SB-02 collected from 0.5 to 1.5 feet bgs						i		
	1		).5 to 1.5 i	feet bgs				
Well Construction Depth Interval (ft) USCS Classification	Semple Interval	Sample Recovery (In)	Blows / 6 in	PID (std units)		Lithologic Description		Remarks
0.50				0.0		CONCRETE		<u> </u>
1.0 Fill		12	N/A	0.0				
1.5				0.0	Dark	brown f-SAND, some silt, trac	e f-m gravel, dry	

			l				BORING ID:	SB-03	
\ <u>\\\\</u>	SUCIN			Drillin	ıg Log			<del> </del>	
Ифятолину Б	more file ency		}	Page	1 of 1		WELL ID:	N/A	
CUENT: Now Y	and Oit Da		<u> </u>				LOCATION:	Bronx, NY	
CLIENT: New Y PROJECT: Rec	ork City Dep	of Grand	of Design a	and Const	truction	-1 474 -4	PROJECT No:	HXP136A	
Streets	JI ISH UCHON	or Grand	Joncourse	e between	i looth ar	10 1/151	FMS ID #:	PW335ES13	
								1 110002010	
DRILLING CON			rilling and	Testing			WOL #:	6185-Weston-613	7
DRILLING MET	HOD: Geop	robe			·····		DATE STARTED:	2/9/2010	
BORE	OLE DATA	4			DATA		DATE FINISHED:	2/9/2010	
Diameter (in):		2	Well Dia	meter:		N/A	DRILLER:	A. Babel	
Total Depth:		1.5	Total De	pth (ft):		N/A	WESTON INSPECTOR:	E. Rubin	
Depth to Refus	al (ft):	1.5	Screen L	ength (ft	):	N/A	NORTHING:	N/A	
Depth to Water	(ft):	N/A	Depth to	Water (fi	:):	N/A	EASTING:	N/A	
Depth to Rock (	ft):	1.5	Slot Size	:		N/A	SURFACE ELEVATION:	N/A	
NOTES: VOC	ırah samnle	6185.SB	-03-1 5 cc	liacted fr		E foot boo			······································
NOTES: VOC grab sample 6185-SB-03-1.5 collected from 1 to 1.5 feet bgs  Composite sample 6185-SB-01 collected from 0.5 to 1.5 feet bgs									
Well Construction Depth Interval	USCS	Sample interval	Sample Recovery (in)	Blows / 6 in	PID (std units)	11.0	Lithologic Description	'n	Remarks
0.50					0.0		CONCRETE	30.77	
1.0	Fill		12	N/A	0.0	Dark	brown f-SAND, some silt, trac	e f-m gravel day	•
1.5					0.0	] Dair	DIOMITICAND, SOME SIL, MAC	e i-in graver, try	
			REF	USAL AT 1	.5 FEET B	GS DUE T	O BEDROCK		

	₽/\/ <b>~</b>							BORING ID:	SB-04				
	ENW.				Drillir	ng Log		WELL ID:					
	vestoring Los	aukre Ensper-tr			Page	1 of 1		LOCATION:	N/A				
CLIENT	: New You	k City De	nartment	of Docian	and Con	odw. 1041 - 11			Bronx, NY				
PROJE	CT: Recor	struction	of Grand	Concours	e betwee	n 166th a	nd 171st	PROJECT No:	HXP136A				
Streets							17 130	FMS ID #:	PW335ES13				
DRILLIN	IG CONT	RACTOR	: Aquifer I	Orilling an	d Testina			WOL #:					
		OD: Geor		- ming an	d realing	····	76	DATE STARTED:	6185-Weston-61	37			
		LE DATA		T	WELL	DATA			2/9/2010				
Diamete			2	Well Dia			N/A	DATE FINISHED:	2/9/2010				
Total De		· · · · · · · · · · · · · · · · · · ·	2	Total De			N/A	DRILLER:	A. Babel				
	Refusal	/#1).	2	<del></del>	ength (fi	P).		WESTON INSPECTOR:	E. Rubin				
						<u> </u>	N/A	NORTHING:	N/A				
	Water (f		N/A		Water (f	τ):	N/A	EASTING:	N/A				
Jepun to	Rock (ft	):	2	Slot Size	<del></del>		N/A	SURFACE ELEVATION:	N/A				
NOTES:	VOC gra	ab sample	6185-SE	-04-02 cc	lected fro	om 1.5 to	2 feet bg	3					
	nposite sample 6185-SB-04 collect				site sample 6185-SB-04 co								
	E		_					·····		<del></del>			
Well	Depth Interval (ft)	USCS Classification	Sample Interval	Sample Recovery (in)	Blows / 6 in	PID (std units)		Lithologic Description		Remari			
	0.50					0.0		CONCRETE		<del> </del>			
	1.0	Fill		18	N/A	0.0				1			
	1.5				1971	0.0	Dari	c brown f-SAND, some silt, trace	e f-m gravel, dry				
	2.0					0.0	1						

WY ZY ZYWY	7		Drillie	ng Log		BORING ID:	SB-05	
いんもとは	1		Dimin	ig Log		WELL ID:	N/A	
			Page	1 of 1		LOCATION:	Bronx, NY	
CLIENT: New York City D	epartment o	of Design	and Cons	truction		PROJECT No:	HXP136A	
PROJECT: Reconstructio Streets	n of Grand	Concourse	e betweer	166th ar	nd 171st			
Sireeis						FMS ID #:	PW335ES13	<del> </del>
DRILLING CONTRACTO	R: Aquifer [	rilling and	Testing			WOL #:	6185-Weston-61	37
DRILLING METHOD: Geo	probe					DATE STARTED:	2/9/2010	
BOREHOLE DA	TA		WELL	DATA		DATE FINISHED:	2/9/2010	
Diameter (in):	2	Well Dia	meter:		N/A	DRILLER:	A. Babel	
Total Depth:	1.5	Total De	pth (ft):		N/A	WESTON INSPECTOR:	E. Rubin	
Depth to Refusal (ft):	1.5	Screen L	ength (ft	):	N/A	NORTHING:	N/A	
Depth to Water (ft):	N/A	Depth to	Water (fi	t):	N/A	EASTING:	N/A	
Depth to Rock (ft):	1.5	Slot Size	:		N/A	SURFACE ELEVATION:	N/A	
NOTES: VOC grab same	ie 6185-SB	-05-1.5 cc	llected fro	om 1 to 1	5 feet has			
NOTES: VOC grab sample 6185-SB-05-1.5 collected from 1 to 1.5 feet bgs  Composite sample 6185-SB-05 collected from 0.5 to 1.5 feet bgs								
1 1					<u></u>	721.1		T
Well Construction Depth Interval (ft) USCS Classification	Sample interval	Sample Recovery (In)	Błows / 6 łn	PID (std units)		Lithologic Description	n	Remarks
0.50				0.0		CONCRETE		
1.0 Fill		12	N/A	0.0	11-4-	CAND		
1.5				0.0	1 Light	brown f-SAND, some silt, trac	e 1-m gravel, dry	
	-	REF	USAL AT 1	.5 FEET P	GS DUE TO	O BEDROCK		•

Person of descenses Planeters					Drilling Log			BORING ID:	SB-06	
					Page	1 of 1		WELL ID:	N/A	
01 15115				<u></u>				LOCATION:	Bronx, NY	
CLIENT: New York City Department of Design and Construction PROJECT: Reconstruction of Grand Concourse between 166th and 171st							PROJECT No:	HXP136A		
Streets		on action	or Grand	Concours	e betweer	n 166th an	10 1/1St	FMS ID #:	PW335ES13	
DRILLIN	IG CONTE	2ACTOD	Aquifor	Seilling	-1 T4:					
DRILLING CONTRACTOR: Aquifer Drilling and Testing DRILLING METHOD: Geoprobe								WOL #:	6185-Weston-6137	
BOREHOLE DATA				WELL DATA				DATE STARTED:	2/11/2010	
Diameter (in): 2			Well Diameter: N/A			N/A	DATE FINISHED: DRILLER:	2/11/2010 A Rabal		
Fotal Depth: 13					N/A	WESTON INSPECTOR:	A. Babel F. Rubin			
Depth to Refusal (ft): 13		Screen Length (ft):			N/A	NORTHING:	E. Rubin N/A			
		N/A	Depth to Water (ft):		t):	N/A	EASTING:	N/A		
Depth to			13	Slot Size:			N/A	SURFACE ELEVATION:		
NOTES:	VOC gra	h samnia	6185-95	2-06-13 00	llooted fro	m 10 F to	40 6		.,,,,,	
							13 1661 0	ogs		
	te sample									<u> </u>
Well	Depth Interval (ft)	USCS	Sample Interval	Sample Recovery (In)	Blows / 6 in	(S)				
W	htqa (f	US	nple	Sam	ows	) (std		Lithologic Description		Remarks
- 0	ŭ	<u> </u>	- Sar	, a		12				
	0.50	Fill		60		0.0		CONCRETE		
	1.0				N/A	0.0				
	1.5					0.0				
	2.0					0.0				
	2.5					0.0				
	3.0					0.0				
	3.5					0.0				
	4.0					0.0				
	1									
	4.5	Fill			í	0.0				
	4.5 5.0	Fill				0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
		Fill					Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0	Fill				0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0 5.5	Fill				0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0 5.5 6.0	Fill				0.0 0.0 0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0 5.5 6.0 6.5	Fill		47	N/A	0.0 0.0 0.0 0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0 5.5 6.0 6.5	Fill		47	N/A	0.0 0.0 0.0 0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0 5.5 6.0 6.5 7.0 7.5	Fill		47	N/A	0.0 0.0 0.0 0.0 0.0 0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0 5.5 6.0 6.5 7.0 7.5 8.0	Fill		47	N/A	0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5	Fill		47	N/A	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light-me	dium brown f-SAND and SILT,	trace f-m gravel, dry	
	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0	Fill		47	N/A	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light-me		trace f-m gravel, dry	
	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0	Fill		47	N/A	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Light-me		trace f-m gravel, dry	
	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5	Fill SP		47	N/A	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				
	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0					0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				
	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0			47		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				
	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0					0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				

WETTER PROTOTO MOLUCE MINISTER				Drilling Log				BORING ID:	SB-07		
				Page 1 of 1				WELL ID:	N/A		
								LOCATION:	Bronx, NY		
CLIENT	: New Yor	k City De	partment	of Design	PROJECT No:	HXP136A					
PROJECT: Reconstruction of Grand Concourse between 166th and 171st								FMS ID #:	PW335ES13		
DRILLIN	IG CONTI	RACTOR	: Aquifer (	Orilling an	d Testing			WOL #:	6185-Weston-613	37	
DRILLING METHOD: Geoprobe							DATE STARTED:	2/8/2010			
BOREHOLE DATA				WELL DATA				DATE FINISHED:	2/8/2010		
Diameter (in): 2			Well Diameter:			N/A	DRILLER:	A. Babel			
Total Depth: 2			Total Depth (ft):			N/A	WESTON INSPECTOR:	E. Rubin			
Depth to Refusal (ft): 2			2	Screen Length (ft):			N/A	NORTHING:	N/A		
Depth to Water (ft): N/A			N/A	Depth to Water (ft):			N/A	EASTING:	N/A		
Depth to Rock (ft): 2		2	Slot Size:			N/A	SURFACE ELEVATION:	N/A			
	VOC gra						2 feet bgs	3			
Well	Depth Interval (ft)	USCS	Sample Interval	Sample Recovery (in)	Blows / 6 in	PID (std units)		Lithologic Description Re			
	0.50			24	N!/A	0.0		CONCRETE			
		Fill	1			0.0				1	
	1.0	Fill	1	24	Nt/Δ	1				1	
	1.0	Fill		24	N/A	0.0	Dark	brown f-SAND, some silt, trac	e f-m gravel, dry		

	D0							BORING ID:	00.00	
	VVLES				Drilli	ng Log	l		SB-08	
	Restoring Res	ource Efficiency		Page 1 of 1				WELL ID:	N/A	
CLIENT	's Now You	wik 'Oith . D -		<u> </u>				LOCATION:	Bronx, NY	
PROJEC	: New Yor CT: Recor	estruction	of Grand	of Design	and Cons	struction		PROJECT No:	HXP136A	
Streets		- CHACHON	or Grand	Concours	e betwee	n 166th a	ind 1/1st	FMS ID #:	PW335ES13	
DDII I IA	IC CONT	DAGTOR					<del></del>		1 44000E313	
	IG CONT			Orilling an	d Testing		<del></del>	WOL#:	6185-Weston-61	37
DUITTIN	IG METH			1				DATE STARTED:	2/8/2010	
D: .		DLE DAT				- DATA		DATE FINISHED:	2/8/2010	
Diamete			2	Well Dia			N/A	DRILLER:	A. Babel	
Total De				<del> </del>	epth (ft):		N/A	WESTON INSPECTOR:	E. Rubin	
	Refusal		N/A	Screen Length (ft): N/A			N/A	NORTHING:	N/A	
	Water (f		N/A	Depth to	Water (f	t):	N/A	EASTING:	N/A	
Depth to	Rock (ft	):	N/A	Siot Size	9:		N/A	SURFACE ELEVATION:	N/A	
	VOC gra						3 feet bg	S		
Well Construction	Depth Interval (ft)	USCS	Sample Interval	Sample Recovery (in)	Blows / 6 in	PID (std units)		Lithologic Description		Remarks
	0.50					0.0		CONCRETE		
	1.0					0.0				1
	1.5	Fill		30	N/A	0.0				
	2.0					0.0	1	Brown f-SAND and SILT, some	f-gravel, dry	
	2.5					0.0	1			
	3.0					0.0				
				MACRO			<u> </u>			1

,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				Drillin	ng Log		BORING ID:	SB-09	
	Restoring Resc	ATTOR Efficiency						WELL ID:	N/A	
					Page	1 of 1		LOCATION:	Bronx, NY	
CLIENT:	New Yor	lew York City Department of Design and Construction  : Reconstruction of Grand Concourse between 166th and 171s						PROJECT No:	HXP136A	
<b>PROJEC</b> Streets	T: Recon	struction	of Grand (	Concourse	e between	166th an	nd 171st	5140 ID #		
								FMS ID #:	PW335ES13	
				rilling and	Testing			WOL #:	6185-Weston-613	7
	G METH							DATE STARTED:	2/9/2010	
	BOREHO	DLE DATA	Α			DATA		DATE FINISHED:	2/9/2010	
Diamete			2	Well Dia			N/A	DRILLER:	A. Babel	
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	Restanna Rest	ource Efficiency			Page	1 of 1		LOCATION:		
CLIENT:	New Yor	k City De	partment	of Design and Construction				PROJECT No:	Bronx, NY	
PROJEC Streets	T: Recor	nstruction	of Grand	Concourse between 166th and 171st			nd 171st	FMS ID #:	HXP136A PW335ES13	-
DRILLIN	G CONTI	RACTOR	: Aquifer [	Orilling an	d Testina			WOL #-	0405.144	
DRILLIN				stiming arm	a resumg			WOL #: DATE STARTED:	6185-Weston-61 2/9/2010	137
		DLE DAT			WELL	DATA		DATE FINISHED:		<del></del>
Diamete			2	Well Dia	meter:		N/A	DRILLER:	2/9/2010 A. Babel	
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Depth to	Refusal	(ft):	10	Screen I	ength (ft	i):	N/A	NORTHING:	N/A	
Depth to	Water (f	t):	N/A	Depth to	Water (f	t):	N/A	EASTING:	N/A	
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			<del></del>				<del></del>	LOCATION:	Bronx, NY	
CLIENT	: New Yor	k City De	partment of	of Design	and Cons	struction		PROJECT No:	HXP136A	
PROJECT: Reconstruction of Grand Streets		of Grand	Concours	e betwee	n 166th a	nd 171st	FMS ID #:	PW335ES13		
DRILLIN	IG CONTI	RACTOR	: Aquifer [	Orilling an	d Testing			WOL #:	6185-Weston-613	7
DRILLIN	IG METH	OD: Geop	robe					DATE STARTED:	2/11/2010	
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CLIENT	: New Yor	k City De	partment o	of Design and Construction  Concourse between 166th and 171st				PROJECT No:	HXP136A	
Streets		nstruction	of Grand	Concours	e betweer	n 166th a	nd 171st	FMS ID #:	PW335ES13	
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DRILLIN	DRILLING METHOD: Geoprobe				<u> </u>			DATE STARTED:	2/9/2010	
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Depth to	Rock (ft	):	8	Slot Siz	e:		N/A	SURFACE ELEVATION:	N/A	
	ite sample	6185-SB			ollected fro		8 feet bgs			
Well	Depth Interval (ft)	USCS	Sample Interval	Sample Recovery (in)	Blows / 6 in	PID (std units)		Lithologic Description		Remarks
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## APPENDIX C LABORATORY ANALYTICAL RESULTS

Contractors/Consultants can obtain laboratory analytical results from New York City Department of Design and Construction Infrastructure Division, Program Administration – Engineering Support Services.

END OF ADDENDUM NO. 5 This Addendum consists of Eight Eight (88) Pages

# THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION INFRASTRUCTURE DIVISION BUREAU OF DESIGN

### PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS
INCLUDING RESURFACING OF THE MAIN ROADWAY
AND WIDENING OF MEDIANS
INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

TOGETHER WITH ALL WORK INCIDENTAL THERETO BOROUGH OF THE BRONX CITY OF NEW YORK

### ADDENDUM NO.6

#### DATED: June 27, 2013

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS

- 1. The Contractor shall be responsible for compliance with all the provisions of the following Sections and Schedules, which are hereby made a part of the original contract documents:
  - A. "SECTION U: Additional Contract Requirements Applying to Work Performed in the Presence of Privately Owned Utility Facilities" (Pages A6-3 through A6-13)
  - B. Schedule U-1 (Page A6-14)
  - C. Schedules U-2 (one for each Utility Company) (Pages A6-15 through A6-51)
  - D. Section U-3 Page A6-52 (as per the Private Utilities reference document for SECTION U called "CET SPECIFICATIONS AND SKETCHES", dated November 2010, and Test Pits (Pages (A6-53 through A6-56) in this Addendum
  - E. Utility drawings consisting of: Con Edison General Notes (1); Con Edison Proposed Electrical Plan (4); Con Edison CET-700-802A-802B (4); Con Edison Conduit Plates (17) attached to the Plans.
- 2. Each facility operator shall provide inspectors at the work site to inspect methods of interference work, verify quantities and items of Utility Work, and coordinate all phases of the facility operator operations.
- 3. In addition, the following statements are made to provide clarification of various paragraphs under Section U:
  - A. Section U, ¶4, requires the Contractor to immediately commence negotiations with each Company for an Interference Agreement under which the Company will compensate the Contractor for any Interference Work which the Company does not elect to perform with its own forces or by specialty

contractors retained by the Company. Thus the Contractor is on notice that its work under the Contract may be affected by Interference Work performed by (a) the Contractor pursuant to a separate Interference Agreement with the Company, (b) the Company, or (c) partly by each.

- B. Section U, ¶2, informs the Contractor that the duration of the Contract as shown in Schedule A includes the time which may be necessary for the Contractor to perform the necessary Interference Work.
- C. The Contractor is hereby informed that the duration of the Contract as shown in Schedule A includes the time which may be necessary for the Company to perform whatever portion of the Interference Work which the Company elects to perform with its own forces or by specialty contractors retained by the Company.
- D. Section U informs the Contractor that the City has entered into a Utility Agreement with the Companies regarding interferences to the City work in this Contract created by the facilities owned and/or operated by such Companies. Pursuant to this Addendum, a sample of the Utility Agreement letter as executed by the Companies is annexed on page A6-13, as an Exhibit to the Contract. Signed copies of those Utility Agreement letters are on file with NYCDDC.
- E. The City has no contract with any of the Companies for work on or adjacent to the site of work under this Contract, and the Companies are not "Other Contractors" as defined for the purposes of this Contract. The Contractor is reminded, however, that pursuant to Section U, ¶4, the City will not compensate the Contractor for any direct and/or indirect costs related to Interference Work, regardless of whether such Interference Work is covered by an Interference Agreement between the Contractor and the Company or is performed by the Company using its own forces or by specialty contractors retained by the Company.
- F. Section U, ¶14, provides that the provisions of Section U are material provisions of the Contract and that the Contractor's failure to comply with the procedures set forth in Section U are sufficient for the Commissioner to declare the Contractor in default pursuant to Article 48 of the Contract.

Pursuant to this Addendum, the Contractor is informed that the Performance Bond required of the Contractor pursuant to the Contract is not deemed to guarantee performance of any of the Interference Work.

## Section U: Additional Contract Requirements Applicable to Work Performed in the Presence of Privately Owned Utility Facilities

The Contractor is hereby notified that pursuant to the law and franchise agreements issued by the City, certain private utility and public service companies named in Schedule U-1 ("the Companies") own and/or operate surface and/or subsurface facilities within the limits of this contract. The existence of these facilities impacts the productivity of the City work called for in the contract. In order to improve coordination of the City construction with the private utility facilities owned and/or operated by the Companies named in Schedule U-1, Article 1.06.30 of the Standard Highway Specifications of the New York City Department of Transportation, Dated November 1, 2010; Articles 1.06.14 through 1.06.17 of the General Provisions of the Standard Water Main Specifications of the New York City Department of Environmental Protection, dated August 1, 2009; and/or Articles 1.06.14 through 1.06.17 of the Standard Sewer Specifications of the New York City Department of Environmental Protection, Dated August 1, 2009; as applicable, are amended and will be implemented as follows:

### 1. Pre-engineering:

The anticipated scopes of private utility facilities interferences and anticipated work items and specifications are included in this contract. The locations of these interferences are indicated on the plans and/or listed in the specifications for this contract, and a schedule of estimated quantities by type of interference expected to be encountered within the limits of this project area have been listed on Schedule U-2. In addition, in Section U-3 the Companies have provided standard details and methods for supporting, protecting, relocating, and/or working around their facilities when they are in interference with City contract work.

### 2. Means and methods for City work:

- a) The Contractor is hereby notified that the utility interferences identified on the plans and/or listed in the Specifications to be known conditions which may impact the performance of, and/or interferes with, City work. The contractor will be required to perform such utility work as directed by the Resident Engineer in order to clear all utility interferences from the project site as required for satisfactory completion of City work within specified contract schedule.
- b) In areas serviced by overhead electric system, the contractor understands and by bidding for this contract agrees that he/she has reviewed the section 'U' package and that he/she will be required to perform the public work in the presence of energized

electrical overhead lines and appurtenances located in areas adjacent and/or within the project area. As a consequence he/she will select means and method of construction appropriate to maintain the safety clearances required or as permitted by contract specifications (e.g. "CET 350 – Overhead Accommodation Protection of Overhead Facilities, Poles, and Appurtenances") in order to avoid damaging the insulation or shielding of these lines and also to prevent knocking them down. The duration of the contract as shown in Schedule A thus includes the time which may be necessary for the Contractor to remove, repair, protect, support, shift, relocate, temporarily remove and replace, work around and/or work in the presence of the Companies' facilities ("Interference Work") as described on the plans and/or specifications of the contract during the progress of the City work.

### 3. Field inspection prior to construction:

Prior to the start of any contract work in areas serviced by overhead electric lines, and after the award to the apparent low bidder for this contract, the contractor must request a field walk of the project area along with the operator of the overhead electrical facilities and the DDC Engineer-In-Charge. At that time the facility operator, pursuant to contract specification (e.g. "CET 350 — Overhead Accommodation Protection of Overhead Facilities, Poles, and Appurtenances") will confirm the type and condition of the overhead electrical lines and the sufficiency of their insulating properties with respect to the means and methods proposed by the contractor. The contractor must be prepared to describe in enough details his/her proposed means and methods of construction operations in order to anticipate the likelihood that electric lines insulation would be cut or otherwise compromised. Also such details will allow the facility operator to anticipate the need for added insulation and/or shielding of non-insulated lines.

### 4. Compensation for interference work:

Compensation for Interference Work is a matter of adjustment between the Contractor and each private utility company located within the limits of the project area and whose utility facilities are affected by City contract work. In particular, the City will not compensate the Contractor for any direct and/or indirect costs related to Interference Work, including, but not limited to, lost profit, increased overhead, or any other impact costs. Upon receipt of a Notice of Award from the City, the Contractor shall immediately commence negotiations with each of the Companies concerning the manner in which and the price for which the Contractor, through its own forces or by others hired by it, will perform and be paid by the Company for all

necessary Interference Work as defined above that the Company(ies) choose(s) not to perform with its(their) own forces or by specialty Contractors hired by it (them) (as per "Interference Agreement"). (Specialty contractors' work is limited to (i) insulation installation and removal, (ii) live gas and steam work, (iii) cleanup and disposal of hazardous materials, (iv) splicing live electrical and telecommunications facilities, and (v) work not traditionally performed by general construction contractors.

### 5. Interference Agreement:

- 1. The Companies have provided estimate of the quantity of each of the types of interferences expected to be encountered in the contract in Schedule U-2. Although the parties may negotiate an Interference Agreement in any format or manner they deem fit, the Contractor is hereby advised that the Companies have indicated to the City that they will agree to compensate the Contractor on a unit price basis according to the Quantity and Types of Interferences expected to be encountered on this Contract as stated in Schedule U-2.
- 2. Furthermore, in Section U-3, standard unit work measurement and payment provisions are specified and shall apply only if the Contractor and affected Utility companies enters into a unit price based Interference Agreement, otherwise the unit of work measurement, and payment provisions set forth in Section U-3 shall not apply. The Contractor shall notify the City upon concluding an Interference Agreement with each of the Companies, which shall be binding and final once concluded.

### 6. City contract work to continue without Interference Agreement:

If, prior to the start of construction, as directed by the City's Order to work / Notice To Proceed (OTW/ NTP) date any of the Companies and the Contractor have not concluded an Interference Agreement as described above, then the City construction will proceed as ordered and the Contractor will be directed by the Resident Engineer to perform the City work on Time, Material and Equipment basis (T&M) as specified in standard City contract agreement Article 26.2. T&M records will include identification of types of utility facilities interfering with City work, utility facility owners, specifying the nature and quantity of any materials, plant and equipment furnished or used in connection with the performance of such work and crew size, such as: name and number of each worker employed on such work. T&M records will also indicate the hours of active time, standby time and idle time. The Company (ies) and the Contractor will maintain separate records of the actual quantity and cost of labor, materials, and equipment expended, and will provide copies of this information to the other party on a

daily basis for reconciliation. These T&M records along with cost evaluations will be submitted daily to the Resident Engineer for review and approval. The total cost of City work will be based on quantity of work performed multiplied by unit price contract bid items. The total interference cost will be calculated as the difference between the total T&M cost and total cost for City work. The Resident Engineer will conduct a monthly reconciliation session of the daily T&M records with the affected Company (ies) and contractor. If the contractor and affected utility companies cannot reconcile their T&M records, by the last day of each month, then the Resident Engineer will submit the approved City's T&M records along with total cost evaluations to the DDC Director of Construction who will review these records and recommend approval and validity certification by the DDC Deputy Commissioner.

- 1. Copies of the DDC approved and certified T&M records will then be transmitted by the DDC to the contractor and the utility companies. These certified records may be used by the contractor for compensation claims against the responsible private facility owners, or may be used by any party as supporting documentation in dispute regarding compensation for performing Interference Work as identified in Schedule U-2. The contractor will be required to perform City work while invoices are submitted by the contractor to the Utility companies for payment within 30 days, or while compensation disputes between contractor and affected company (ies) are submitted to Binding Arbitration process described in Paragraph 10.
- 2. All issues related to utility work and/ or delays due to compensation disputes or claims against utility companies are not allowable as justification for granting contract time extensions. The City may assess liquidated damages specified in the contract for net overall delays suffered by City contract work as a result of utility issues, disputes and claims.
- 3. The standard City contract dispute resolution process specified in Article 27 "Presentation of disputes to Commissioner", of the standard City contract agreement is not applicable to any disputes related to utility work and/ or compensation for such work or claim against utility companies. Utility work issues, disputes and claims may only be submitted to Binding Arbitration process described in Paragraph 10.
- 4. The contractor will notify the Resident Engineer when utility capital work not specified in Schedule U2 and/ or for utility work that require the intervention of company utility specialty crews causes excessive contractor's labor and equipment standby or idleness and, thereby jeopardizing the City project schedule. The Resident Engineer will submit

the facts to the DDC Director of construction who will recommend to the Deputy Commissioner regarding the issuance of a "48 hours notice" to the concerned utility company as authorized by the New York City administrative Code Section 19-143 and/or Section 24-521 as applicable.

5. Utility delays caused by utility capital work not listed in Schedule U2 and/ or by unavailability of utility specialty crews cannot be discounted for earning any contractual bonus when such bonus clause is included in a contract. However, if such specified bonus is not earned or disallowed by the City or if the City assesses specified liquidated damages as a result of such excessive delays, the contractor may seek damages from the responsible utility company (ies).

### 7. Extra utility work with Utility Agreement:

If during construction the Contractor encounters utility facilities interferences or utility scope of work that it believes is not covered by the Interference Agreement as described above, then the Contractor shall immediately notify the Company in writing, with a copy to the City, describing the nature and location of the extra work in question. The Company then has five (5) business days to investigate the conditions and then:

- 1. Advise the Contractor and the City in writing that no interference with its facilities exists at the location in question, and hence that the Contractor may proceed with City work without providing for any impact from Company facilities;
- 2. Advise the Contractor and the City in writing that the Interference Agreement negotiated pursuant to Paragraph (6), above, provides for the scope of work encountered, specifying the exact unit items and/or terms of the agreement that cover the work;
- 3. Advise the Contractor and the City in writing that it intends to perform the necessary utility Work with company forces or with its own contractor including, but not limited to, relocating its facility out of the way of the proposed City work. In this case, the Company shall provide a written schedule for the performance of the utility work it proposes to perform, which shall be subject to approval by the City based on its impact to the Contractor's currently approved progress schedule. Upon approval of the Company's schedule by the City, the Contractor shall provide access to the worksite to the Company and/or any contractors hired by it to perform this utility work. If necessary, the City may grant a contract time extension for delays caused by the performance of such utility work by the company.

4. Reasonably specify in writing the scope of work to be performed by the Contractor on behalf of the Company that is not covered under the Interference Agreement negotiated pursuant to Paragraph (6), including, but not limited to, relocating, supporting, and/or protecting the Company's facilities, and/or shifting the City facility if approved by the Resident Engineer, and/or otherwise changing its operations to work in the presence of the Company's facilities. Should the Company elect this option, it must adequately define and provide an initial price offer for the work required to be performed.

### 8. Means and Methods for utility work:

Upon receipt of the Company's determination pursuant to paragraphs 7.2, or 7.4, above, the Contractor shall determine reasonable means and methods of performing the work defined by the Company. These means and methods are subject to approval of the Company, which shall not be unreasonably withheld. If, however, the Company objects to the Contractor's proposed means and methods then it shall define an alternate method of construction. Upon receipt of the Company's approval or its proposed alternate method of construction, the Contractor shall commence performance of the work defined by the Company as soon as possible, and shall perform the work in a good, workmanlike, and efficient manner, using the means and methods approved by the Company, in order to permit the City work to proceed in the most expeditious manner possible, but without imposing unreasonable and/or unnecessary costs on the Company. It is expressly understood by all parties that the City's rights pursuant to Article 4 of the Contract apply to Utility Work performed pursuant to this section.

### 9. Disputed utility work covered by a utility agreement:

The City Work will continue as described in paragraph 6 above. In the event of any dispute between the Company (ies) and the Contractor regarding any issue related to the performance of, or payment for, utility work, including, but not limited to, any indirect or impact costs incurred by the Contractor due to the Utility Work and/or to the existence of facilities owned or operated by the Company (ies) on the line of the work. The Company (ies) and the Contractor hereby agree to submit to each other a "Final Offer," in writing, by certified mail. Each party shall then have three business days to consider each other's Final Offer. In the event that neither party accepts the other's Final Offer within those three days, the Company (ies) and the Contractor agree to immediately submit the dispute to binding arbitration as described in Paragraph 10. During the pendency of any arbitration, the Company (ies) and the Contractor shall maintain separate records of the actual quantity and cost of labor, materials, and equipment expended, and to provide copies of this information to the other party on a daily

basis for reconciliation. Any and all disagreement with the records maintained and provided by the other, must be documented in writing to all parties. However, these records are solely for the benefit of presentation to the arbitrator, whose decision may not necessarily be based on these records and in any event is final. Both parties should be aware that the City will not confirm or deny the accuracy of any records maintained by either party for Utility work performed pursuant to a Utility Agreement. While the arbitration is pending, the Company shall pay the Contractor on a monthly basis, based on the price offered by the Company to the Contractor for the performance of the work.

### 10. Arbitration of utility work:

The arbitration of the issues described above shall be conducted pursuant to the Construction Industry Arbitration Rules of the American Arbitration Association (hereinafter "the Rules" and "AAA") in effect on the date the arbitration is initiated except as set forth herein. The arbitration award shall be final and binding upon the parties to the arbitration and judgment upon the award may be entered in a court having jurisdiction.

- (a) Once an arbitrator(s) has been appointed by the AAA, the arbitration shall be scheduled as promptly as possible given the arbitrator(s) and the parties' schedules.
- (b) No later than seven days prior to the first arbitration hearing, Company and Contractor shall submit to the arbitrator(s), and to each other, a summary of each party's respective position and such other information as is deemed appropriate, along with a copy of each party's Final Offer as specified in paragraph 9.
- (c) The arbitration shall be conducted and concluded in two days.
- (d) On the morning of the first day of the arbitration, Contractor and/or representatives shall have 3 ½ hrs to make a presentation of its claim to the arbitrator. During its presentation, Contractor shall not be permitted to produce any documents or cost records which have not already been provided to the Company. Contractor shall be permitted to produce any analysis or description of its claim which has been prepared for the purpose of its presentation.
- (e) After lunch, Company and/or its representatives shall have two hours to ask Contractor questions about its claim and its presentation. Thereafter the arbitrator(s) shall have two hours to ask Contractor questions about its claim and its presentation.
- (f) On the morning of the second day of the arbitration, Company and/or its representatives shall have 3 ½ hours to make a presentation of its claim to the arbitrator. During its presentation, the Company shall not be permitted to produce any documents or cost

- records which have not already been provided to the Contractor. The Company shall be permitted to produce any analysis or description of its claim which has been prepared for the purpose of its presentation.
- (g) After lunch, Contractor and/or its representatives shall have two hours to ask Company questions about its claim and its presentation. Thereafter the arbitrator(s) shall have two hours to ask Company questions about its claim and its presentation.
- (h) Subject to the above time limitations, the arbitrator(s) may conduct the arbitration in such manner as the arbitrator(s) deems reasonable.
- (i) The arbitrator(s) shall then have one week to select in writing, as the arbitrator ('s) award, that party's Final Offer which appears to be more reasonable, based on the presentations at the arbitration hearings.
- (j) The arbitrator shall have no discretion to grant an award other than one of the two Final Offers submitted by the parties.
- (k) Any award for work that has already been performed shall be paid on the 7<sup>th</sup> day after receipt of the arbitrator's decision, or on the 30<sup>th</sup> day after completion of the work, whichever is later. Payment for work not yet completed at the time of the arbitrator's decision shall be paid within 30 days of completion of work. Interest shall accrue from the date payment is due at the rate of 9% per annum. Either party may cause judgment to be entered in accordance with the arbitrator(s) decision in a court in the State of New York, County of New York.
- (l) The arbitrator's fees and any other costs of the arbitration shall be initially shared equally by Company and Contractor. The non-prevailing party shall then pay all arbitrator's fees and costs of the arbitration and shall reimburse the prevailing party for its share of such fees and costs theretofore paid.
- (m) The parties may, at any time, settle any matter submitted to arbitration.

### 11. Order-out waiver:

The Contractor and all subcontractors hired by it, if an Interference Agreement is executed as specified between the concerned parties, agree to waive any rights they may have, if any, under law, contract or otherwise to compel the City to assert any right the City may have, including the issuance of any directives required under the New York City Administrative Code, Section 19-143 and Section 24-521, to require any or all of the Companies to maintain, repair, replace, protect, support, shift, alter, relocate, and/or remove utility facilities in connection with the work to be performed under this contract. However, nothing in this section shall preclude the City from exercising its rights under the Law to issue such a directive to the Company.

### 12. Cost of insurance:

Each of the named Companies, at their option and if an Interference Agreement is executed as specified between the concerned parties, may be named as an additional insured on all insurance policies required to be maintained under this contract. In the event that a Company opts to be so named as an additional insured, the actual incremental cost, if any, to the Contractor of providing such insurance coverage shall be borne by that Company. The Contractor shall provide a written statement from its insurance provider documenting the actual cost of this added coverage to the Company. Under no circumstances shall the cost of insurance coverage on behalf of any Company be borne by the City. Nothing in this paragraph shall be interpreted to imply the City's acceptance of any additional responsibility or liability for any matter related to the performance of Utility Work. In particular, the Company and the Contractor bear joint and full responsibility to ensure that any Utility Work performed by the Contractor is in compliance with all applicable government and Company regulations.

### 13. Cost of utility interference work:

The Companies, by virtue of a prior agreement with the City, have agreed to perform their obligations described in this section. It is expressly understood that the cost of Utility Work shall not be a charge against the City, but shall be a matter for adjustment between the Contractor and the Company or Companies concerned. The City and the Contractor agree that the Companies are third party beneficiaries of this section of the contract, if a Utility Agreement is executed between the contractor and utility company (ies). The provisions of this section shall govern in all cases where Company property interferes with or is about to be disturbed by the City work, notwithstanding any other provision of the Contract, except for Natural Gas transmission/distribution facilities covered subject to the Gas Facility Cost Allocation Act (GFCAA) and covered separately in this contract.

### 14. Default declaration:

The Contractor agrees that the provisions of this section are material provisions of the contract, and that the Contractor's failure to comply with the procedures set forth above are sufficient for the Commissioner to declare the Contractor in default pursuant to Article 48 of the Contract.

### 15. NYS Labor Law:

The Contractor is hereby advised that New York State Labor Law applies to public work. The work described in this Section U of the contract performed by utility company (ies) with their own forces or vendors hired by such company (ies) is not public work.

### 16. Facility operators:

The insurance requirements in Paragraph 12 of this Section U apply to: (i) additional Companies, if any, who were not named in Schedule "A" but which have executed a Utility Agreement with the contractor for utility work; and (ii) additional coverage, if any, paid for by Utility Companies whose utility facilities are located within the project limits, that they may require for the utility work pursuant to an utility agreement between the contractor and such utility companies.

[End]

### "STANDARD UTILITY LETTER OF AGREEMENT"

(Name)

Deputy Commissioner, Infrastructure Division

Department of Design and Construction

30-30 Thomson Avenue
Long Island City, NY 11101
RE: <u>City Work Performed in the Presence of Private Utility Facilities</u>
Project No:
Dear (Name):
This letter is to certify that has requested the inclusion
This letter is to certify that, has requested the inclusion of the attached "Section U: Additional contract requirements applying to work performed in the
performed in the presence of privately owned utility." The company agrees to abide by
the terms of this Section U and to submit a schedule listing the scope of work including
the items and estimated quantities, and types of utility facilities to be supported and protected at the company's own expenses due to interferences with the Public work.
The second at the company 3 own expenses due to interferences with the Public Work.
Sincerely,
By: Authorized Company Representative
Title
NOTARY PUBLIC
I O I I I O DE I C
OPP TIPIED AG TO TOTAL
CERTIFIED AS TO FORM
CERTIFIED AS TO FORM AND LEGAL AUTHORITY:

SCHEDULE U-1

LISTING OF COMPANIES NAMED FOR THIS CONTRACT

HWXP136A

**COMPANY NAME** 

**CONTACT NAME** 

**CONTACT TELEPHONE** 

CON EDISON

THERESA KONG

212-460-4834

VERIZON

AUBREY MAKHANLALL

718-977-8165

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

JOINT BID		1	
ITEM NUMBER	DESCRIPTION	Unit of Measure	Estimated Quantity
CET 100.1	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT	EA.	17
CET 100.2	I(TYPE 1)		
CL7 100.2	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT	EA.	8
CET 100.3	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT	EA.	4
CET 100.4	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT	EA.	1
CET 101.1	UTILITIES CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .1)	EA.	15
CET 101.2	UTILITIES CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .2)	EA.	2
CET 101.3	UTILITIES CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .3)	EA.	1
CET 108.1	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER	EA.	11
CET 108.2	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .2)	EA.	4
CET 108.3	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .3)	EA.	2
CET 108.4	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE. 4)	EA.	1
CET 109.1	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .1)	EA.	1
CET 109.2	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .2)	EA.	1
CET 111.1	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 36" AND UP TO 48" DIAMETER (TYPE .1)	EA.	1
CET 111.2	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 36" AND UP TO 48" DIAMETER (TYPE .2)	EA.	1
CET 109.3	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .3)	EA.	1
CET 200.1	EXTRA DEPTH EXCAVATION OF CATCH BASIN CHUTE CONNECTION PIPES (INVERT DEPTH 4'-6" - 5'-0" FOR TYPE 1 OR UP TO 5'-6" FOR TYPE 3 CATCH BASIN	L.F.	489
	DEPTH > 5'-0" TO 6'-0" FOR TYPE 1 OR UP TO 6'-6" FOR TYPE 3 CATCH BASIN	L.F.	30
·	INSTALLATION AND REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES	EA.	1
CET 225.1B	INSTALLATION OF CATCH BASINS WITH UTILITY INTERFERENCES	EA.	21
CET 225.1C	REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES	EA.	2

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

JOINT BID			
ITEM NUMBER	DESCRIPTION	Unit of Measure	Estimated Quantity
CET 225.2A	INSTALLATION AND REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES AT AN ADDITIONAL DEPTH OF UP TO 3 FEET	EA.	1
CET 225.2B	INSTALLATION OF CATCH BASINS WITH UTILITY INTERFERENCES AT AN ADDITIONAL DEPTH OF UP TO 3 FEET	EA.	1
CET 300 CET 303	SPECIAL CARE EXCAVATION AND BACKFILLING	C.Y.	84
	FURNISH, DELIVER AND INSTALL TYPE 3/8 CLEAN SAND BACKFILL	C.Y.	20
CET 304A	FURNISH, DELIVER & INSTALL CONCRETE PAVEMENT FOR ROAD BASE	C.Y.	558
CET 304B	FURNISH, DELIVER & INSTALL CONCRETE PAVEMENT FOR SIDEWALK	C.Y.	20
CET 304C	BREAK, REMOVE, AND DISPOSE CONCRETE SIDEWALK	C.Y.	20
	FURNISH & INSTALL ASPHALT PAVING MIXTURE	TONS	428
	SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITHOUT SHEETING (TYPE .1)	L.F.	10
	SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITHOUT SHEETING (TYPE .2)	L.F.	10
	SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITHOUT SHEETING (TYPE .3)	L.F.	10
	SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITH SHEETING (TYPE .1)	L.F.	1,686
1	SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITH SHEETING (TYPE .2)	L.F.	2,274
	SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITH SHEETING (TYPE .3)	L.F.	125
	SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITH SHEETING (TYPE .4)	L.F.	50
	TRENCH EXCAVATION FOR WIDENING CITY TRENCHES	C.Y.	50
CET 340	REMOVAL OF BURIED UTILITY SHEETING	S.F.	50

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

TITEM NUMBER DESCRIPTION Unit of Neasure CHAPTON CET 400 TEST PITS FOR UTILITY FACILITIES C.Y. 40  CET 401 TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES C.Y. 91  CET 401A SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES C.Y. 30  CCT 401A SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES C.Y. 30  CCT 402.1 EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 240  WITHOUT CONCRETE ENCASEMENT  CET 402.2 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.2 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.2 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.2 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.2 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.2 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CET 402.2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CET 402.2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CET 402.2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 402.2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 402.2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 402.2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 402.2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 402.2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES WITH TOTAL DEPTHS C.F. 30  CET 404 PIER & PLATE METHOD OF PROTECTION FURLY SERVED C.F. 30  CET 405.2 TRENCH EX	JOINT BID			
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CET 401A SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES C.Y. 91  CET 402.1 SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES C.Y. 30  CONNECTED TO THE BASE PAVEMENT  CET 402.1.1 EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 240  WITHOUT CONCRETE ENCASEMENT  CET 402.1.2 EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.2.2 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.2.2 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.2.1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V12 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 402.V2 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 403.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 403. PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  S.F. 50  CET 404  PLER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER S.F. 50  SHALLOW FACILITIES  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2.582  LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT Cribrs. 1,000  CAPABLE OF PREFORMING VARIOUS TASKS (TYPE 3)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Cribrs. 1,000  CAPABLE OF PREFORMING VARIOUS TASKS (TYPE 3)  CET 450.1 INSTALL CONDUCT DEPTICATION OF UTILITY CONDUITS	CET 400	TEST PITS FOR UTILITY FACILITIES		
CET 401A SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES C.Y. 30 CONNECTED TO THE BASE PAVEMENT.  CET 402.1 EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 240 WITHOUT CONCRETE ENCASEMENT L.F. 240 WITHOUT CONCRETE ENCASEMENT L.F. 240 WITHOUT CONCRETE ENCASEMENT L.F. 240 WITHOUT CONCRETE ENCASEMENT L.F. 240 WITHOUT CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT L.F. 30 WITH CONCRETE ENCASEMENT			C.1	40,
CET 402.1 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.1A EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.2 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.2.1 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.11 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.11 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.14 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CET 402.15 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.12 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 403.1 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 403.1 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404.2 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER S.F. 50  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2,582  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 100  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 100  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 100  CET 405.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT Crips. 1,000  CET 405.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crips. 1,000  CET 400.1 INSTALL CONDUIT BURDONS TASKS ITTPE 3)  CET 400.1 INSTALL CONDUIT BURDONS TASKS ITTPE 2)  CET 400.1 INSTALL CONDUIT BURDONS TASKS ITTPE 3)	CET 401	TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES	C.Y.	91
CET 402.1   EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION	CET 401A	SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES	C.Y.	30
CET 402.1A EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.2 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.2A EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CONCRETE ENCASEMENT  CET 402.V2 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CONCRETE ENCASEMENT  CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 403. PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404. PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER  SHALLOW FACILITIES.  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  C.Y. 2,582  LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT Crhrs. 1,000  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CET 402.1	EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION	L.F.	240
CET 402.2 EXISTING OCCUPIED NON-CONCRETE ENCASEMENT  CET 402.2A EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V1 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CONCRETE ENCASEMENT  CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 403. PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER S.F. 50  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2.582  LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT C.Y. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW C.Y. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CET 402 14	!WITHOUT CONCRETE ENCASEMENT		_,,
CET 402.22 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT.  CET 402.V1 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT.  CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT.  CET 402.V21 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CONCRETE ENCASEMENT.  CET 402.V22 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT.  CET 402.V24 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT.  CET 403. PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT.  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2,582  LESS THAN FIVE FEET.  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 50  CET 406.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT Crhrs. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.1 INSTALL CONDUCT IN INDICASES SERVENCE ENCASED)  L.F. 1,525	CE1 402.1A	EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION	L.F.	30
CET 402.2A EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CONCRETE ENCASEMENT  CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER S.F. 50  SHALLOW FACILITIES  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2,582  LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT Crhrs. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 1)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.1 INSTALL CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CFT 402 2			
CET 402.V1  EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  LF. 30  WITH CONCRETE ENCASEMENT.  CET 402.V1A  EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  LF. 30  WITHOUT CONCRETE ENCASEMENT.  CET 402.V2  EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH  LF. 30  CONCRETE ENCASEMENT.  CET 402.V2  EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  WITHOUT CONCRETE ENCASEMENT.  CET 402.V2A  EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  WITH CONCRETE ENCASEMENT.  CET 403. PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404  PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER  S.F. 50  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  C.Y. 2,582  LESS THAN FIVE FEET  CET 406.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500  CET 500  REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	021 402.2	WITHOUT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION	L.F.	30
CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT CET 402.V1A EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30 CONCRETE ENCASEMENT CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30 WITHOUT CONCRETE ENCASEMENT CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30 WITHOUT CONCRETE ENCASEMENT CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30 WITH CONCRETE ENCASEMENT CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2,582 LESS THAN FIVE FEET CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT CHIPS. 1,000 WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1) CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CHIPS. 1,000 CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2) CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CHIPS. 1,000 CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2) CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CHIPS. 1,000 CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2) CET 450.1 INSTALL CONDUIT IN UPDATE SET	CET 402.2A	EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS BLACED IN SINAL BOSITION		
CET 402.V1 EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  WITHOUT CONCRETE ENCASEMENT  CET 402.V1A EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH  L.F. 30  CONCRETE ENCASEMENT  EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  WITHOUT CONCRETE ENCASEMENT  CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  WITH CONCRETE ENCASEMENT  CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  C.Y. 2,582  LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525		WITH CONCRETE ENCASEMENT	L.F.	30
CET 402.V1A EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH L.F. 30  CCNCRETE ENCASEMENT  CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITHOUT CONCRETE ENCASEMENT  CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION L.F. 30  WITH CONCRETE ENCASEMENT  CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER S.F. 50  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2,582  LESS THAN FIVE FEET FOUAL TO OR GREATER THAN FIVE FEET EXCAVATION FOR UTILITY STRUCTURE  CET 405.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT CHIPS. 1,000  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED) L.F. 1,525	CET 402.V1	EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION	L.F.	30
CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION  WITH CONCRETE ENCASEMENT  CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER S.F. 50  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  CET 405.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525		<u> WITHOUT CONCRETE ENCASEMENT</u>		30
CET 402.V2 EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT  CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT  CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  S.F. 50  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER SHALLOW FACILITIES  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2,582 LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 50  CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1) CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2) CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2) CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED) L.F. 1,525	CET 402.V1A	EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH	L.F.	30
WITHOUT CONCRETE ENCASEMENT  CET 402.V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT  CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  S.F. 50  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER SHALLOW FACILITIES  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 50  CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CET 402 V2	!CONCRETE ENCASEMENT		
CET 402. V2A EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION UITH. CONCRETE ENCASEMENT  CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER  S.F. 50  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  CET 406 EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CL1 402.V2	WITHOUT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION	L.F.	30
CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES S.F. 50  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER S.F. 50  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 2,582  LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 50  CET 406 EXCAVATION FOR UTILITY STRUCTURE C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CET 402.V2A	EXISTING VACANT NON-CONCRETE ENCASED CONDUITS BLACED IN FINAL BOOMER		
CET 403 PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES  CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER SHALLOW FACILITIES  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS EQUAL TO OR GREATER THAN FIVE FEET  CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525		WITH CONCRETE ENCASEMENT	L.F.	30
CET 404 PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER S.F. 50  CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS C.Y. 50  CET 406 EXCAVATION FOR UTILITY STRUCTURE C.Y. 114  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CET 450.4 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CET 450.4 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW Crhrs. 1,000  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED) L.F. 1,525	CET 403	PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES	<u></u>	E0
CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS FQUAL TO OR GREATER THAN FIVE FEET  CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525			3.7.	50
CET 405.1 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS FQUAL TO OR GREATER THAN FIVE FEET  CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CET 404	PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER	S.F.	50
LESS THAN FIVE FEET  CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  C.Y. 50  EQUAL TO OR GREATER THAN FIVE FEET  CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525		SHALLOW FACILITIES		30
CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS  C.Y. 50  EQUAL TO OR GREATER THAN FIVE FEET  CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525		TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS	C.Y.	2,582
CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525				
CET 406 EXCAVATION FOR UTILITY STRUCTURE  CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CE1 403.2	FOUND TO OR GREATER THAN EDGE	C.Y.	50
CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CET 406	EXCAVATION FOR LITHITY STRUCTURE		
CFT 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525		STATE OF STRUCTORE	C.Y.	114
WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)  CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW  CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CET 450.1	CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT	Crbrs	1,000
CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)  CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525		WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)	CHIIS.	1,000
CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3) CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  CET 600.1 UNSTALL CONDUIT IN LIDAYED AREA (SEE SILL SILL SILL SILL SILL SILL SILL S	CET 450.2	CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW	Crhrs.	1.000
CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)  CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CET 450.0	CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)	-	1,000
CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)  L.F. 1,525	CE1 450.3	CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW	Crhrs.	1,000
CET 600.1 LINSTALL CONDUIT IN LIDAVED ADEA 6 EX DIVISION DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE CONDUIT DE	CFT 500	CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)		
CET 600.1 LINSTALL CONDUIT IN LIDAVED ADEA ( EA 21) 41 CO. 21 CO.	CL1 300	NEW OVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)	L.F.	1,525
THE TOTALL CONDOLL IN OPAVED AREA LEA /" Z" OR S" COMPILIT ALL TYPES IN THE SECOND SEC	CET 600.1	INSTALL CONDUIT IN UPAVED AREA 1 EA. 2", 4" OR 5" CONDUIT - ALL TYPES IN		
UNPAVED AREA  L.F. 624		UNPAVED AREA	L.t.	624

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

JOINT BID ITEM NUMBER	DESCRIPTION	Unit of	Estimate
CET 601.1	INSTALL CONDUIT IN UPAVED AREA 1 EA. 2", 4" OR 5" CONDUIT - ALL TYPES IN	Measure L.F.	Quantity 40
CET 603E.1	CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT	L.F.	30,043
CET 603E.2	CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT	L.F.	60
CET 636 EA RD	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( UNDER 7" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 7" TO UNDER 14" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 14" TO UNDER 30" WIDTH )	EA.	41
CET 636 ED RD	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 30" TO UNDER 34" WIDTH )	EA.	18
	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 34" TO UNDER 41" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 41" TO UNDER 75" WIDTH )	EA.	5
	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 75" TO UNDER 125" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 125" TO UNDER 170" WIDTH )	EA.	2
~~~~~~~~~~	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( UNDER 7" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 7" TO UNDER 14" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 14" TO UNDER 30" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 30" TO UNDER 34" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 34" TO UNDER 41" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 41" TO UNDER 75" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 75" TO UNDER 125" WIDTH )	EA.	2
	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 125" TO UNDER 170" WIDTH )	EA.	2
	MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDAWARE DURING PAVEMENT MILLING & AND RESURFACING OPERATIONS (UNDER 7"	EA.	2
[	MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (7" TO UNDER 14"  WIDTH)	EA.	2

### HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. **BOROUGH OF THE BRONX**

JOINT BID  ITEM  NUMBER	DESCRIPTION	Unit of Measure	Estimated Quantity
	MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (14" TO UNDER 30" WIDTH)	EA.	2
	MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (30" TO UNDER 34" WIDTH)	EA.	2
	MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (34" TO UNDER 41" WIDTH)	EA.	2
	MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (41" TO UNDER 75" WIDTH)	EA.	2
	MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (75" TO UNDER 125" WIDTH)	EA.	2
	MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (125" TO UNDER 170" WIDTH)	EA.	2
	REBUILDING AND MODIFICATIONS TO UTILITY STRUCTURES	C.Y.	2
CET 636 RS	STRUCTURAL REPAIR TO UTILITY STRUCTURES	C.Y.	2
CET 638N	INSTALLATION OF FIELD CONSTRUCTED UTILITY STRUCTURE	C.Y.	101
CET 638R	BREAK OUT AND REMOVE UTILITY STRUCTURE	C.Y.	97
CET 700	SPECIAL MODIFICATION OF WORK METHODS TO ACCOMMODATE/PROTECT UNDERGROUND FACILITIES WITH LIMITED COVER	C.Y.	5,339
CE1 /10.1	REMOVAL OF ABANDONED UTILITY STEEL/ CAST IRON/ PLASTIC PIPES, UP TO AND UNCLUDING 12" DIAMETER PIPES	L.F.	1,201
CET 711	USE SHEETING LINE AS FORM	L.F.	25
	REMOVABLE CURB SIDEWALK PANEL FOR ACCESS TO UTILITY STRUCTURE OPENINGS	EA.	2
	SPECIAL MODIFICATION OF WORK METHODS FOR INSTALLATION OF NEW SIDEWALKS	S.F.	1,584
	SPECIAL MODIFICATION OF WORK METHODS FOR INSTALLATION OF NEW CURB	L.F.	6,142
	PLACING RUBBER SHEETS FOR UTILITY FACILITIES	S.F.	100
CET 1008V	8" VERTICAL OR ROLLED WATERMAIN OFFSET	EA.	4

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

JOINT BID ITEM NUMBER	DESCRIPTION	Unit of Measure	Estimated Quantity
CET 1008H	8" HORIZONTAL WATERMAIN OFFSET	EA.	4
CET 1012V	12" VERTICAL OR ROLLED WATERMAIN OFFSET	EA.	4
CET 1012H	12" HORIZONTAL WATERMAIN OFFSET	EA.	4
CET 1020V	20" VERTICAL OR ROLLED WATERMAIN OFFSET	EA.	4
CET 1020H	20" HORIZONTAL WATERMAIN OFFSET	EA.	4

### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST.

### BOROUGH OF THE BRONX

CET 100.1	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT (TYPE .1)	EA
	At the following locations:	
	N/S McClellan St., E/O Grand Concourse Blvd. (M-4972)	
	W/S Grand Concourse Blvd., N/O E. 166th St.	
	W/S Grand Concourse Bivd., N/O McCielian St. (M-4971 - 25339)	
	N/S E. 168th St., E/O Grand Concourse Blvd. (4990)	
	W/S Grand Concourse Blvd., N/O Tudor Pl. (4974 -4975)	
	E/S Grand Concourse Blvd., S/O E. 169th St.	
	E/S Grand Concourse Blvd., S/O Marcy Pl. (4996 - M-4997)	
	N/S Marcy Pl., E/O Grand Concourse Blvd. (M-4997)	
	W/S Grand Concourse Blvd., S/O E. 169th St. (4989 - 4991)	
	W/S Grand Concourse Blvd., 5/O E. Clark, 21, (4989 - 4991)	
	W/S Grand Concourse Blvd., S/O E. Clarke Pl. (4991 - M-4994)	
	W/S Grand Concourse Blvd., S/O Eliot Pl. (4999 - 15000)	
	W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308 - M-4998)	
	E/S Grand Concourse Blvd., S/O E. 170th St.	
	E/S Grand Concourse Bivd., S/O E. 170th St. (M-15006 - D.E.)	
	W/S Grand Concourse Blvd., B/W E. 170 & E. 171st Sts. (15007 - 15009)	
	W/S Grand Concourse Bivd., S/O E. 170th St. (15003 - 15004)	
	Total quantity for $CET 100.1 = 17$	
CET 100.2	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT (TYPE .2)	EA.
	At the following locations:	
	E/S Grand Concourse Blvd., N/O E. 166th St. (M-4964 - 4967)	
	E/S Grand Concourse Blvd., N/O McClelian St. (M-4970 - 4973)	
	N/S E. 166th St., E/O Grand Concourse Blvd.	
	N/S McClellan St., E/O Grand Concourse Bivd. (M-4972)	
	E/S Grand Concourse Bivd., S/O E. 168th St. (31311 - 4990)	
	W/S Grand Concourse Bivd., S/O E. 168th Sts. (4983 - 4988)	
	S/S Marcy Pl., E/O Grand Concourse Bivd. (M-4997)	
	Total quantity for CET 100.2 = $8$	
CET 100.3	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT (TYPE .3)	EA.
	At the fallening I	
	At the following locations:	
	E/S Grand Concourse Bivd., N/O McClelian St.	
	E/S Grand Concourse Bivd., N/O E. 170th St.	
	E/S Grand Concourse Bivd., N/O E. 171st St.	
	S/S E. 170th. St., Across Grand Concourse Bivd. (15004 - M-15006)	
	Total quantity for CET 100.3 = $\underline{4}$	
CET 100.4	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT (TYPE .4)	EA.
		LA.
	At the following locations:	
	AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	

Total quantity for

CET 100.4 = 1

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

CET 101.1	UTILITIES CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .1)	EA.
	At the following locations:  E. 166th St., Across Grand Concourse Blvd. (4965 - M- 4964)  W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4960 - SL)  W/S Grand Concourse Blvd., B/W E. 166th & McCiellan Sts. (4965 - SL)  E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (31311 - 4990)  E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4986 - M-4987)  E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4986 - M-4987)  E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4986-SERV)  E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4986-SERV)  E/S Grand Concourse Blvd., B/W Marcy Pl. & E. 170th St. (15002)  N/S Marcy Pl., E/O Grand Concourse Blvd. (M-4997)  E/S Grand Concourse Blvd., B/W Marcy Pl. & E. 170th St. (15002 - M-15006)  E/S Grand Concourse Blvd., N/O E. 171st St.	
	S/S E. 170th St., W/O Grand Concourse Blvd. (15004) W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15003 - 15004)	
	Total quantity for CET 101.1 = 15	
CET 101.2	UTILITIES CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .2)	EA.
	At the following locations:  McClellan St., Across Grand Concourse Blvd. (M-4971- D.E.)  E/S Grand Concourse Blvd., Across E. 170th St. (M-15006 - M-15010)	
	Total quantity for CET 101.2 = 2	
CET 101.3	UTILITIES CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .3)	EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 101.3 = 1	
CET 108.1	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .1)	EA.
	At the following locations:  W/S Grand Concourse Bivd., B/W E. 166th & McClellan Sts. (4966 -M- 4971)  E/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (31311 - 4990)  E/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4985)  E/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4986-SERV)  E/S Grand Concourse Bivd., B/W Marcy Pl. & E. 170th St. (15002)  N/S Marcy Pl., W/O Grand Concourse Bivd. (TM-1386-M-4998)  S/S E. Ciarke Pl., W/O Grand Concourse (M-4994 - Serv.)  S/S E. Ciarke Pl., W/O Grand Concourse (M-4994)  W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4989 - 4991)  S/S E. 171st St, Across Grand Concourse Bivd. (15009 - 15013)  W/S Grand Concourse Bivd., B/W Eliot Pl. & E. 170th St. (15000 - 15003)	

Total quantity for

CET 108.1 = <u>11</u>

### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST.

### BOROUGH OF THE BRONX

CET 108.2	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .2)	EA.
	At the following locations:  E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (31311 - 4990)  E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4985 - 4986)  E/S Grand Concourse Blvd., B/W E. 168th & E. 169th Sts. (25340 - M-4992)  N/S Marcy Pl., W/O Grand Concourse Blvd. (TM-1386-M-4998)	<b></b>
	Total quantity for CET 108.2 = $\underline{4}$	
CET 108.3	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .3)	EA.
	At the following locations:  N/S E. Clarke Pl., W/O Grand Concourse Blvd.  E/S Grand Concourse Blvd., B/W E. 170th & E. 171st Sts. (M-15010 - M-15013)	
	Total quantity for CET 108.3 = $\frac{2}{2}$	
CET 108.4	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .4)	EA.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 108.4 = 1	
CET 109.1	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .1)	EA.
	At the following locations:  W/S Grand Concourse Bivd., B/W E. 166th & McClellan Sts. (4966 -M- 4971)	
	Total quantity for CET 109.1 = $\frac{1}{2}$	
CET 109.2	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .2)	EA.
	At the following locations:  E/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (25346 - M-4992)	
	Total quantity for CET 109.2 = $\underline{1}$	
CET 109.3	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .3)	EA.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 109.3 = 1	
CET 111.1	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 36" AND UP TO 48" DIAMETER (TYPE .1)	EA.
	At the following locations:  W/S Grand Concourse Bivd., N/S/C E. 169th St.	
	Teach on the	

Total quantity for

CET 111.1 = 1

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 36" AND UP TO 48" DIAMETER (TYPE .2) **CET 111.2** EA. At the following locations: E/S Grand Concourse Blvd., N/S/C E. 169th St. Total quantity for CET 111.2 = 1 EXTRA DEPTH EXCAVATION OF CATCH BASIN CHUTE CONNECTION PIPES (INVERT DEPTH 4'-6" - 5'-0" **CET 200.1** L.F. FOR TYPE 1 OR UP TO 5'-6" FOR TYPE 3 CATCH BASIN At the following locations: E/S Grand Concourse Blvd., N/O E. 166th St. (M-4964 - 4967) E/S Grand Concourse Bivd., N/O McClelian St. (M-4970 - 4973) N/S E. 166th St., E/O Grand Concourse Blvd. N/S McClellan St., E/O Grand Concourse Blvd. (M-4972) W/S Grand Concourse Blvd., N/O E. 166th St. W/S Grand Concourse Bivd., N/O McClelian St. (M-4971 - 25339) E/S Grand Concourse Bivd., S/O E. 168th St. (31311 - 4990) W/S Grand Concourse Bivd., N/O Tudor Pl. (4974 -4975) W/S Grand Concourse Bivd., S/O E. 168th Sts. (4983 - 4988) E/S Grand Concourse Bivd., S/O E. 169th St. E/S Grand Concourse Blvd., S/O Marcy Pl. (4996 - M-4997) S/S Marcy Pi., E/O Grand Concourse Blvd. (M-4997) W/S Grand Concourse Blvd., S/O E. 169th St. (4989 - 4991) W/S Grand Concourse Bivd., S/O E. Clarke Pi. (4991 - M-4994) W/S Grand Concourse Bivd., S/O Eliot Pl. (4999 - 15000) W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308 - M-4998) E/S Grand Concourse Blvd., N/O E. 170th St. E/S Grand Concourse Blvd., S/O E. 170th St. W/S Grand Concourse Blvd., S/O E. 170th St. (15003 - 15004) Total quantity for CET 200.1 = 489 **CET 200.2** EXTRA DEPTH EXCAVATION OF CATCH BASIN CHUTE CONNECTION PIPES (INVERT DEPTH > 5'-0" TO 6'-L.F. 0" FOR TYPE 1 OR UP TO 6'-6" FOR TYPE 3 CATCH BASIN At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE Total quantity for CET 200.2 = 30INSTALLATION AND REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES **CET 225.1A** EA. At the following locations:

Total quantity for

CET 225.1A = 1

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

#### HWXP136A

## RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST.

**BOROUGH OF THE BRONX** 

### CET 225.1B INSTALLATION OF CATCH BASINS WITH UTILITY INTERFERENCES

EA.

At the following locations:

E/S Grand Concourse Blvd., N/O E. 166th St. (M-4964 - 4967)

E/S Grand Concourse Bivd., N/O McClellan St. (M-4970 - 4973)

N/S E. 166th St., E/O Grand Concourse Bivd.

N/S McCielian St., E/O Grand Concourse Bivd. (M-4972)

W/S Grand Concourse Blvd., N/O E. 166th St.

W/S Grand Concourse Bivd., N/O McCiellan St. (M-4971 - 25339)

E/S Grand Concourse Blvd., S/O E. 168th St. (31311 - 4990)

N/S E. 168th St., E/O Grand Concourse Blvd. (4990)

W/S Grand Concourse Blvd., N/O Tudor Pl. (4974 -4975)

W/S Grand Concourse Blvd., S/O E. 168th Sts. (4983 - 4988)

E/S Grand Concourse Blvd., S/O E. 169th St.

E/S Grand Concourse Blvd., S/O Marcy Pl. (4996 - M-4997)

N/S Marcy Pl., E/O Grand Concourse Bivd. (M-4997)

S/S Marcy Pl., E/O Grand Concourse Blvd. (M-4997)

W/S Grand Concourse Bivd., S/O E. 169th St. (4989 - 4991)

W/S Grand Concourse Bivd., S/O E. Clarke Pl. (4991 - M-4994)

W/S Grand Concourse Blvd., S/O Eliot Pl. (4999 - 15000)

W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308 - M-4998)

E/S Grand Concourse Bivd., N/O E. 170th St.

W/S Grand Concourse Bivd., B/W E. 170 & E. 171st Sts. (15007 - 15009)

W/S Grand Concourse Bivd., S/O E. 170th St. (15003 - 15004)

Total quantity for

CET 225.1B = 21

### CET 225.1C REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES

EA.

At the following locations:

SEC Grand Concourse Blvd & E. 168th St. (31311 -4990)

S/S E. 170th. St., Across Grand Concourse Bivd. (15004 - M-15006)

Total quantity for

CET 225.1C = 2

## CET 225.2A INSTALLATION AND REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES AT AN ADDITIONAL DEPTH OF UP TO 3 FEET

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 225.2A = 1

### CET 225.2B INSTALLATION OF CATCH BASINS WITH UTILITY INTERFERENCES AT AN ADDITIONAL DEPTH OF UP TO 3 EA

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 225.2B = 1

### <u>HWXP136A</u>

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

CET 300	SPECIAL CARE EXCAVATION AND BACKFILLING		C.Y.
	At the following locations:		
	NEC Grand Concourse Bivd. & McCiellan St. (M-4970 - 4972)  NWC Grand Concourse Bivd. & E. 166th St. (SB 4965)  E/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4985 - 4986)  E/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (M-4984 - 4985)  N/S Marcy Pl., W/O Grand Concourse Bivd. (TM-1386-M-4998)  E/S Grand Concourse Bivd., S/O E. 170th St.  S/S E. 170th St., B/W Grand Concourse Bivd., & Wythe Place		
	Total quantity for	CET 300 = <u>84</u>	
CET 303	FURNISH, DELIVER AND INSTALL TYPE 3/8 CLEAN SAND BACKFILL		C.Y.
	At the following locations:		
	AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE		
	Total quantity for	CET 303 = <u>20</u>	
<b>CET 304A</b>	FURNISH, DELIVER & INSTALL CONCRETE PAVEMENT FOR ROAD BASE		C.Y.

#### At the following locations:

E/S Grand Concourse Bivd., N/O E. 166th St. (4967 - M-4968) E/S Grand Concourse Blvd., N/O E. 166th St. (4969 - M-4970) E/S Grand Concourse Bivd., N/O E. 166th St. (M-4964 - 4967) E/S Grand Concourse Bivd., N/O E. 166th St. (M-4968 - 4969) E/S Grand Concourse Bivd., N/O E. 166th St. (M-4968 - VS-5124) E/S Grand Concourse Bivd., N/O McClellan St. (M-4968 - SL) E/S Grand Concourse Bivd., N/O McClelian St. (M-4970 - 4973) McClellan St., Across Grand Concourse Bivd. (M-4971- SL) N/S E. 166th St., E/O Grand Concourse Blvd. N/S McClellan St., E/O Grand Concourse Bivd. (M-4972) W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4957 - 4958) W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4958 - 4960) W/S Grand Concourse Bivd., B/W E. 165th & E 166th Sts. (4958 - Serv.) W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4960 - 4965) W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4960 - Serv.) W/S Grand Concourse Bivd., B/W E. 166th & McClellan Sts. (4965 - 4966) W/S Grand Concourse Bivd., B/W E. 166th & McCielian Sts. (4965 - SL) W/S Grand Concourse Bivd., B/W E. 166th & McClellan Sts. (4966 -M- 4971) W/S Grand Concourse Blvd., B/W E. 166th & McClelian Sts. (SB 4966 - SL) W/S Grand Concourse Bivd., N/O McClelian St. (M-4971 - 25339)

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4973 - M-4977) E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4978 - M-4979) E/S Grand Concourse Blvd., B/W McClelian & E. 167th Sts. (M-4977 - 4978) E/S Grand Concourse Bivd., B/W McCiellan & E. 167th Sts. (M-4977 - SL) NWC Grand Concourse Blvd. & Tudor Pl. (4974 - SL) S/S E. 167th St., Across Grand Concourse Blvd. (4976 - 4979) W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4982 - 4983) W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4983 - 4988) W/S Grand Concourse Bivd., B/W McClellan St. & Tudor Pl. (25339 - 4974) W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4974 -4975) W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4975 - 4976) SWC Grand Concourse Blvd. & Eliot Pl. (15000 - SL) W/S Grand Concourse Blvd., B/W E. 168th & E. 169th Sts. (4988 -4989) W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4989 - 4991) W/S Grand Concourse Blvd., B/W E. 169th St. & E. Clarke Pl. (4991 - M-4994) W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999 - 15000) W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999) W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (M-4998 - 4999) W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308 - M-4998) W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (M-4994 - 25308) W/S Grand Concourse Blvd., B/W E. 171st & E. 172nd Sts. (15009 - 25310) W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15000 - 15003) W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15003 - 15004)

Total quantity for

CET 304A = 558

**CET 304B** 

### FURNISH, DELIVER & INSTALL CONCRETE PAVEMENT FOR SIDEWALK

C.Y.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 304B = 20

**CET 304C** 

### BREAK, REMOVE, AND DISPOSE CONCRETE SIDEWALK

C.Y.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 304C = 20

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE

## FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

### CET 305 FURNISH & INSTALL ASPHALT PAVING MIXTURE

TONS

### At the following locations:

E/S Grand Concourse Blvd., N/O E. 166th St. (4967 - M-4968)

E/S Grand Concourse Bivd., N/O E. 166th St. (4969 - M-4970)

E/S Grand Concourse Blvd., N/O E. 166th St. (M-4964 - 4967)

E/S Grand Concourse Bivd., N/O E. 166th St. (M-4968 - 4969)

E/S Grand Concourse Bivd., N/O E. 166th St. (M-4968 - VS-5124)

E/S Grand Concourse Bivd., N/O McClellan St. (M-4968 - SL)

E/S Grand Concourse Bivd., N/O McCiellan St. (M-4970 - 4973)

McClelian St., Across Grand Concourse Bivd. (M-4971- SL)

N/S E. 166th St., E/O Grand Concourse Bivd.

N/S McCielian St., E/O Grand Concourse Bivd. (M-4972)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4957 - 4958)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4958 - 4960)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4958 - Serv.)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4960 - 4965)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4960 - Serv.)

W/S Grand Concourse Blvd., B/W E. 166th & McClellan Sts. (4965 - 4966)

W/S Grand Concourse Blvd., B/W E. 166th & McCielian Sts. (4965 - SL)

W/S Grand Concourse Bivd., B/W E. 166th & McClelian Sts. (4966 -M- 4971)

W/S Grand Concourse Bivd., B/W E. 166th & McCiellan Sts. (SB 4966 - SL)

W/S Grand Concourse Bivd., N/O McCielian St. (M-4971 - 25339)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4973 - M-4977)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4978 - M-4979)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (M-4977 - 4978)

E/S Grand Concourse Bivd., B/W McClellan & E. 167th Sts. (M-4977 - SL)

NWC Grand Concourse Bivd. & Tudor Pl. (4974 - SL)

S/S E. 167th St., Across Grand Concourse Blvd. (4976 - 4979)

W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4982 - 4983)

W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4983 - 4988)

W/S Grand Concourse Bivd., B/W McClellan St. & Tudor Pl. (25339 - 4974)

W/S Grand Concourse Bivd., B/W Tudor Pl. & E. 167th St. (4974 -4975)

W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4975 - 4976)

SWC Grand Concourse Blvd. & Eliot Pl. (15000 - SL)

W/S Grand Concourse Blvd., B/W E. 168th & E. 169th Sts. (4988 -4989)

W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4989 - 4991)

W/S Grand Concourse Bivd., B/W E. 169th St. & E. Clarke Pl. (4991 - M-4994)

W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999 - 15000)

W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999)

W/S Grand Concourse Bivd., B/W Marcy Pl. & Eliot Pl. (M-4998 - 4999)

W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308 - M-4998)

W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (M-4994 - 25308)

W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (15009 - 25310)

W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15000 - 15003)

W/S Grand Concourse Bivd., B/W Eliot Pl. & E. 170th St. (15003 - 15004)

Total quantity for

CET 305 = 428

### **HWXP136A**

### RECONSTRUCTION OF GRAND CONCOURSE

#### FROM E. 166TH ST. TO E. 171ST ST.

### **BOROUGH OF THE BRONX**

CET 330E-A.1 SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH L.F. WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITHOUT SHEETING (TYPE .1)

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 330E-A.1 = 10

CET 330E-A.2 SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH L.F. WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITHOUT SHEETING (TYPE .2)

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 330E-A.2 = 10

CET 330E-A.3 SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH L.F. WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITHOUT SHEETING (TYPE .3)

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 330E-A.3 = 10

CET 330E-B.1 SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH L.F. WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITH SHEETING (TYPE .1)

At the following locations:

W/S Grand Concourse Bivd., B/W E. 165th & E 166th Sts. (4957 - 4958)

W/S Grand Concourse Bivd., B/W E. 166th & McClellan Sts. (4965 - 4966)

W/S Grand Concourse Bivd., B/W E. 166th & McClellan Sts. (4966 -M-4971)

W/S Grand Concourse Bivd., N/O McCielian St. (M-4971 - 25339)

W/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4982 - 4983)

W/S Grand Concourse Bivd., B/W McClellan St. & Tudor Pl. (25339 - 4974)

W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4974 -4975)

W/S Grand Concourse Bivd., B/W Tudor Pl. & E. 167th St. (4975 - 4976)

W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (15009 - 25310)

W/S Grand Concourse Bivd., B/W Eliot Pl. & E. 170th St. (15000 - 15003)

W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15003 - 15004)

Total quantity for

CET 330E-B.1 = 1.686

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST.

### **BOROUGH OF THE BRONX**

CET 330E-B.2 SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH L.F. WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITH SHEETING (TYPE .2)

At the following locations:

E/S Grand Concourse Blvd., N/O E. 166th St. (4967 - M-4968)

E/S Grand Concourse Blvd., N/O E. 166th St. (4969 - M-4970)

E/S Grand Concourse Blvd., N/O E. 166th St. (M-4964 - 4967)

E/S Grand Concourse Blvd., N/O E. 166th St. (M-4968 - 4969)

E/S Grand Concourse Bivd., N/O McCielian St. (M-4970 - 4973)

W/S Grand Concourse Bivd., B/W E. 165th & E 166th Sts. (4958 - 4960)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4960 - 4965)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4973 - M-4977)

E/S Grand Concourse Bivd., B/W McClelian & E. 167th Sts. (4978 - M-4979) E/S Grand Concourse Bivd., B/W McClelian & E. 167th Sts. (M-4977 - 4978)

W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4983 - 4988)

W/S Grand Concourse Blvd., B/W E. 168th & E. 169th Sts. (4988 -4989)

W/S Grand Concourse Blvd., B/W E. 168th & E. 169th Sts. (4989 - 4991)

W/S Grand Concourse Bivd., B/W E. 169th St. & E. Clarke Pl. (4991 - M-4994)

W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999 - 15000)

W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (M-4998 - 4999)

W/S Grand Concourse, B/W E. Ciarke Pl. & Marcy Pl. (25308 - M-4998)

W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (M-4994 - 25308)

E/S Grand Concourse Blvd., Across E. 170th St. (M-15006 - M-15010)

Total quantity for

CET 330E-B.2 = 2.274

CET 330E-B.3 SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH L.F. WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITH SHEETING (TYPE .3)

At the following locations:

E/S Grand Concourse Bivd., N/O E. 166th St. (M-4968 - VS-5124)

E/S Grand Concourse Blvd., N/O E. 171st St.

Total quantity for

CET 330E-B.3 = 125

CET 330E-B.4 SUPPORT & PROTECTION OF ELECTRIC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH L.F.
WHEN FACILITIES LIE WITHIN TRENCH LIMITS WITH SHEETING (TYPE .4)

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 330E-B.4 = 50

CET 331E TRENCH EXCAVATION FOR WIDENING CITY TRENCHES

C.Y.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 331E = <u>50</u>

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST.

**BOROUGH OF THE BRONX** 

**CET 340** 

REMOVAL OF BURIED UTILITY SHEETING

S.F.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 340 = 50

**CET 400** 

**TEST PITS FOR UTILITY FACILITIES** 

C.Y.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 400 = 40

**CET 401** 

TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES

C.Y.

At the following locations:

N/S E. 166th St., E/O Grand Concourse Blvd.

E/S Grand Concourse Blvd., S/O E. 168th St. (31311 - 4990)

N/S E. 168th St., E/O Grand Concourse Blvd. (4990)

E/S Grand Concourse Blvd., S/O E. 169th St.

E/S Grand Concourse Blvd., S/O Marcy Pl. (4996 - M-4997)

E/S Grand Concourse Blvd., N/O E. 170th St.

W/S Grand Concourse Bivd., B/W E. 170 & E. 171st Sts. (15007 - 15009)

Total quantity for

CET 401 = 91

**CET 401A** 

SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES CONNECTED TO THE BASE PAVEMENT

C.Y.

L.F.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 401A = 30

**CET 402.1** 

EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT

At the following locations:

N/S E. 166th St., E/O Grand Concourse Blvd.

E/S Grand Concourse Bivd., S/O E. 168th St. (31311 - 4990)

N/S E. 168th St., E/O Grand Concourse Blvd. (4990)

E/S Grand Concourse Blvd., S/O E. 169th St.

E/S Grand Concourse Blvd., S/O Marcy Pl. (4996 - M-4997)

E/S Grand Concourse Blvd., N/O E. 170th St.

W/S Grand Concourse Bivd., B/W E. 170 & E. 171st Sts. (15007 - 15009)

Total quantity for

CÉT 402.1 = 240

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE

FROM E. 166TH ST. TO E. 171ST ST.

**BOROUGH OF THE BRONX** 

EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH CONCRETE CET 402.1A L.F. **ENCASEMENT** At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE Total quantity for CET 402.1A = 30 EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITHOUT **CET 402.2** L.F. CONCRETE ENCASEMENT At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE Total quantity for CET 402.2 = 30EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH CONCRETE **CET 402.2A** L.F. **ENCASEMENT** At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE Total quantity for CET 402.2A = 30EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE CET 402.V1 L.F. **ENCASEMENT** At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE Total quantity for CET 402.V1 = 30 CET 402.V1A EXISTING VACANT CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH CONCRETE L.F. **ENCASEMENT** At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE Total quantity for CET 402.V1A = 30

At the following locations:

CONCRETE ENCASEMENT

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for CET 402.V2 = 30 L.F.

EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITHOUT

CET 402.V2

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

CET 402.V2A	EXISTING VACANT NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT	L.F.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 402.V2A = <u>30</u>	
CET 403	PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES	S.F.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 403 = <u>50</u>	
CET 404	PIER & PLATE METHOD OF PROTECTION FOR DUCTILE IRON WATER MAINS & OTHER SHALLOW FACILITIES  At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	S.F.
	Total quantity for CET 404 = 50	
CET 405.1	TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS LESS THAN FIVE FEET	C.Y.
•	At the following locations:	

#### At the following locations:

E/S Grand Concourse Bivd., N/O E. 166th St. (4967 - M-4968)

E/S Grand Concourse Bivd., N/O E. 166th St. (4969 - M-4970)

E/S Grand Concourse Bivd., N/O E. 166th St. (M-4964 - 4967)

E/S Grand Concourse Blvd., N/O E. 166th St. (M-4968 - 4969)

E/S Grand Concourse Blvd., N/O E. 166th St. (M-4968 - VS-5124)

E/S Grand Concourse Bivd., N/O McClellan St. (M-4968 - SL)

E/S Grand Concourse Bivd., N/O McClelian St. (M-4970 - 4973)

McCielian St., Across Grand Concourse Blvd. (M-4971- SL)

N/S E. 166th St., E/O Grand Concourse Blvd.

N/S McClellan St., E/O Grand Concourse Blvd. (M-4972)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4957 - 4958)

W/S Grand Concourse Bivd., B/W E. 165th & E 166th Sts. (4958 - 4960)

W/S Grand Concourse Bivd., B/W E. 165th & E 166th Sts. (4958 - Serv.)

W/S Grand Concourse Bivd., B/W E. 165th & E 166th Sts. (4960 - 4965)

W/S Grand Concourse Bivd., B/W E. 165th & E 166th Sts. (4960 - Serv.)

W/S Grand Concourse Bivd., B/W E. 166th & McCiellan Sts. (4965 - 4966)

W/S Grand Concourse Blvd., B/W E. 166th & McClellan Sts. (4965 - SL)

W/S Grand Concourse Blvd., B/W E. 166th & McCiellan Sts. (4966 -M- 4971)

W/S Grand Concourse Blvd., B/W E. 166th & McCiellan Sts. (SB 4966 - SL)

W/S Grand Concourse Bivd., N/O McClelian St. (M-4971 - 25339)

#### <u>HWXP136A</u>

# FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4973 - M-4977) E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4978 - M-4979) E/S Grand Concourse Bivd., B/W McClellan & E. 167th Sts. (M-4977 - 4978) E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (M-4977 - SL) NWC Grand Concourse Blvd. & Tudor Pl. (4974 - SL) S/S E. 167th St., Across Grand Concourse Bivd. (4976 - 4979) W/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4982 - 4983) W/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4983 - 4988) W/S Grand Concourse Blvd., B/W McClellan St. & Tudor Pl. (25339 - 4974) W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4974 -4975) W/S Grand Concourse Bivd., B/W Tudor Pl. & E. 167th St. (4975 - 4976) SWC Grand Concourse Blvd. & Eliot Pl. (15000 - SL) W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4988 -4989) W/S Grand Concourse Blvd., B/W E. 168th & E. 169th Sts. (4989 - 4991) W/S Grand Concourse Bivd., B/W E. 169th St. & E. Clarke Pl. (4991 - M-4994) W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999 - 15000) W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999) W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (M-4998 - 4999) W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308 - M-4998) W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (M-4994 - 25308) W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (15009 - 25310) W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15000 - 15003) W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15003 - 15004)

Total quantity for

CET 405.1 = 2,582

CET 405.2 TRENCH EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS EQUAL TO OR GREATER THAN FIVE FEET

C.Y.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 405.2 = 50

CET 406 EXCAVATION FOR UTILITY STRUCTURE

C.Y.

At the following locations:

E/S Grand Concourse Bivd., F/O Bidg. 1150 (SB 4973)

E/S Grand Concourse Blvd., N/O McClelian St. (M-4968)

E/S Grand Concourse Blvd., N/O McClellan St. (SB 4967)

SEC Grand Concourse Blvd. & McCiellan St. (M-4970)

W/S Grand Concourse Bivd., B/W E. 166th & McCiellan Sts. (SB 4966)

W/S Grand Concourse Bivd., N/O E. 165th St. (SB 4958)

W/S Grand Concourse Bivd., N/O E. 165th St. (SB 4960)

W/S Grand Concourse Bivd., N/O McClellan St. (SB 25339)

W/S Grand Concourse Bivd., N/O McClellan St. (SB 4969)

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

E/S Grand Concourse Bivd., B/W McClellan & E. 167th Sts. (4978) E/S Grand Concourse Bivd., B/W McClellan & E. 167th Sts. (M-4977) W/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4983) W/S Grand Concourse Bivd., B/W Tudor Pl. & E. 167th St. (4975) W/S Grand Concourse Bivd., B/W Marcy Pl. & Eliot Pl. (4999) W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308) W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (15014) W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (25310) W/S Grand Concourse Bivd., B/W Eliot Pl. & E. 170th St. (15003)

Total quantity for

CET 406 = 114

CET 450.1 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SIZE SURVEY CREW THAT WILL PERFORM TYPICAL SURVEY FUNCTIONS (TYPE 1)

Crhrs.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 450.1 = 1,000

CET 450.2 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING Crhrs. VARIOUS TASKS (TYPE 2)

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 450.2 = 1,000

CET 450.3 CONSTRUCTION FIELD SUPPORT REQUIRING AN AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING Crhrs. VARIOUS TASKS (TYPE 3)

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 450.3 = 1,000

CET 500 REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)

L.F.

At the following locations:

E. 166th St., Across Grand Concourse Blvd. (4965 - M- 4964)

E/S Grand Concourse Blvd., S/O E. 166th St. (M-4964)

McClelian St., Across Grand Concourse Bivd. (4972- D.E.)

McClellan St., Across Grand Concourse Bivd. (M-4971- D.E.)

N/S McClellan St., W/O Grand Concourse Blvd. (M-4971) NWC Grand Concourse Blvd. & E. 166th St. (SB 4965)

W/S Grand Concourse Bivd., B/W E. 166th & McCielian Sts. (D.E. -D.E.)

W/S Grand Concourse Blvd., B/W E. 166th & McCiellan Sts. (M-4971-D.E.)

W/S Grand Concourse Bivd., B/W E. 166th & McClellan Sts. (M-4971-D.E.)

W/S Grand Concourse Bivd., N/O McClelian St. (M-4971)

### HWXP136A

# FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

E/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (M-4987 - D.E.) E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4978 - D.E.) E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4978 - D.E.) E/S Grand Concourse Bivd., B/W McCielian & E. 167th Sts. (M-4977 -D.E.) I/O Grand Concourse Bivd. & Tudor Place (4974) S/S E. 167th St., Across Grand Concourse Blvd. (4980 - TC) S/S E. 167th St., Across Grand Concourse Bivd. (4984 - D.E.) S/S E. 167th St., Across Grand Concourse Bivd. (4984 - TC) W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4982) W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4975) E/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4990 - M27778) E/S Grand Concourse Blvd., B/W E. 169th St. & Marcy Pl. (M-4995 - D.E.) E/S Grand Concourse Bivd., B/W Marcy Pl. & E. 170th St. (15001 - 15002) E/S Grand Concourse Bivd., B/W Marcy Pl. & E. 170th St. (15001 - D.E.) NEC Grand Concourse Bivd. & E. 169th St. (M-4992 - D.E.) NWC Grand Concourse Bivd. & E. 169th St. (4991 - D.E.) NWC Grand concourse Bivd. & Marcy Pl. (M-4998 - D.E.) SEC Grand Concourse Blvd. & Marcy Pl. (M-4997 - D.E.) E/S Grand Concourse Blvd., B/W E. 170th & E. 171st Sts. (M-15010 - M-15013) E/S Grand Concourse Blvd., B/W E. 170th & E. 171st Sts. (M-15013 - D.E.) E/S Grand Concourse Blvd., S/O E. 170th St. (M-15006 - D.E.) E/S Grand Concourse Bivd., S/O E. 170th St. (M-15006 - D.E.) NEC Grand Concourse Blvd. & E. 170th St. (M-15010) W/S Grand Concourse Bivd., B/W Eliot Pl. & E. 170th St. (15003 - 15004) W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15004 - D.E.)

Total quantity for

· CET 500 = 1,525

### CET 600.1 INSTALL CONDUIT IN UPAVED AREA 1 EA. 2", 4" OR 5" CONDUIT - ALL TYPES IN UNPAVED AREA

L.F.

### At the following locations:

E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4985 - SL)

E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (M-4987 - SL)

W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4975 - SL)

E/S Grand Concourse Blvd., B/W E. 169th St. & Marcy Pl. (4993 - SL)

E/S Grand Concourse Blvd., B/W E. 169th St. & Marcy Pl. (4996 - SL)

E/S Grand Concourse Blvd., B/W Marcy Pl. & E. 170th St. (15001 - SL)

NEC Grand Concourse Bivd. & E. 169th St. (M-4992 - SL)

W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4989 -SL)

E/S Grand Concourse Bivd., Across E. 170th St. (M-15006 - M-15010)

N/S E. 170th St., Across Grand Concourse Blvd. (15007 - M-15010)

Total quantity for

CET 600.1 = 624

#### HWXP136A

# FROM E. 166TH ST. TO E. 171ST ST.

**BOROUGH OF THE BRONX** 

CET 601.1

INSTALL CONDUIT IN UPAVED AREA 1 EA. 2", 4" OR 5" CONDUIT - ALL TYPES IN PAVED AREA

L.F.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 601.1 = 40

**CET 603E.1** 

### CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT

L.F.

At the following locations:

E/S Grand Concourse Blvd., F/O Bldg. 1150 (SB 4973)

E/S Grand Concourse Blvd., N/O E. 166th St. (4967 - M-4968)

E/S Grand Concourse Blvd., N/O E. 166th St. (4969 - M-4970)

E/S Grand Concourse Blvd., N/O E. 166th St. (M-4964 - 4967)

E/S Grand Concourse Bivd., N/O E. 166th St. (M-4968 - 4969)

E/S Grand Concourse Bivd., N/O E. 166th St. (M-4968 - VS-5124)

E/S Grand Concourse Blvd., N/O McCiellan St. (M-4968 - SL)

E/S Grand Concourse Blvd., N/O McClellan St. (M-4970 - 4973)

McClellan St., Across Grand Concourse Bivd. (M-4971- SL)

N/S E. 166th St., E/O Grand Concourse Blvd.

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4957 - 4958)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4958 - 4960)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4958 - Serv.)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4960 - 4965)

W/S Grand Concourse Blvd., B/W E. 165th & E 166th Sts. (4960 - Serv.)

W/S Grand Concourse Blvd., B/W E. 166th & McCiellan Sts. (4965 - 4966)

W/S Grand Concourse Bivd., B/W E. 166th & McCiellan Sts. (4965 - SL)

W/S Grand Concourse Blvd., B/W E. 166th & McCiellan Sts. (4966 -M- 4971)

W/S Grand Concourse Blvd., B/W E. 166th & McClellan Sts. (SB 4966 - SL)

W/S Grand Concourse Blvd., N/O McClellan St. (M-4971 - 25339)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4973 - M-4977)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4978 - M-4979)

E/S Grand Concourse Blvd., B/W McCiellan & E. 167th Sts. (M-4977 - 4978)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (M-4977 - SL)

NWC Grand Concourse Blvd. & Tudor Pl. (4974 - SL)

S/S E. 167th St., Across Grand Concourse Bivd. (4976 - 4979)

W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4982 - 4983)

W/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4983 - 4988)

W/S Grand Concourse Bivd., B/W McClellan St. & Tudor Pl. (25339 - 4974)

W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4974 -4975)

W/S Grand Concourse Bivd., B/W Tudor Pl. & E. 167th St. (4975 - 4976)

SWC Grand Concourse Blvd. & Eliot Pl. (15000 - SL)

W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4988 -4989)

W/S Grand Concourse Blvd., B/W E. 168th & E. 169th Sts. (4989 - 4991)

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

W/S Grand Concourse Blvd., B/W E. 169th St. & E. Clarke Pl. (4991 - M-4994) W/S Grand Concourse Bivd., B/W Marcy Pl. & Eliot Pl. (4999 - 15000) W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999) W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (M-4998 - 4999) W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308 - M-4998) W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (M-4994 - 25308) E/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (M-4995 - M-4997) E/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (SB4996 - M-4997) E/S Grand Concourse, B/W Marcy Pl. & Sheridan Ave. (M-4997-SB15001) E/S Grand Concourse, B/W Marcy Pl. & Sheridan Ave. (M-4997-SB15002) E/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (M-4994 - 25308) W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (15009 - 25310) W/S Grand Concourse Bivd., B/W Elliot Pl. & E. 170th St. (15000 - 15003) W/S Grand Concourse Blvd., B/W Elliot Pl. & E. 170th St. (15003 - 15004) E/S Grand Concourse Blvd., B/W Elliot Pl. & E. 170th St. (M-15002 - M-15006) E/S Grand Concourse Bivd., B/W Elliot Pl. & E. 170th St. (SB15005 - M-15006) E/S Grand Concourse Blvd., B/W Elliot Pl. & E. 170th St. (M-15006 - TM-506) E/S Grand Concourse Bivd., B/W Elliot Pl. & E. 170th St. (M-15006 - M-15095) E/S Grand Concourse Blvd., B/W Elliot Pl. & E. 170th St. (M-15006 - M-15010) Grand Concourse Blvd, S/S E. 170th St. (M-15004 - M-15006) N/S McClellan St., E/O Grand Concourse Bivd. (M-4972)

Total quantity for

CET 603E.1 = 30,043

**CET 603E.2** 

### CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT

L.F.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 603E.2 = 60

CET 636 EA RD ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( UNDER 7" WIDTH )

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 EA RD = 2

CET 636 EB RD ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 7" TO UNDER 14" WIDTH )

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 EB RD = 2

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. **BOROUGH OF THE BRONX**

### CET 636 EC RD ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 14" TO UNDER 30" WIDTH )

EA.

### At the following locations:

E/S Grand Concourse Bivd., N/O McClellan St. (SB 4967)

NEC Grand Concourse Bivd. & McCiellan St. (SB 4972).

NWC Grand Concourse Blvd. & E. 166th St. (SB 4965)

SEC Grand Concourse Blvd. & McClellan St. (M-4970)

W/S Grand Concourse Bivd., B/W E. 166th & McClelian Sts. (SB 4966)

W/S Grand Concourse Blvd., N/O E. 165th St. (SB 4958)

W/S Grand Concourse Blvd., N/O E. 165th St. (SB 4960)

W/S Grand Concourse Blvd., N/O McClellan St. (SB 25339)

W/S Grand Concourse Bivd., N/O McClellan St. (SB 4969)

E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (31311)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4978)

NEC Grand Concourse Blvd. & E. 168th St. (4990)

NWC Grand Concourse Bivd. & E. 167th St. (4976)

NWC Grand Concourse Blvd. & E. 168th St. (4988)

NWC Grand Concourse Bivd. & Tudor Pl. (4974)

SWC Grand Concourse Blvd. & E. 167th St. (4976)

W/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4981)

W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4982)

W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4983)

E/S Grand Concourse Blvd., B/W E. 169th St. & Marcy Pl. (4993)

E/S Grand Concourse Blvd., B/W E. 169th St. & Marcy Pl. (4996)

E/S Grand Concourse Blvd., B/W E. 169th St. & Marcy Pl. (M-4995)

E/S Grand Concourse Bivd., B/W Marcy Pl. & E. 170th St. (15001)

E/S Grand Concourse Blvd., B/W Marcy Pl. & E. 170th St. (15002)

NWC Grand Concourse Bivd. & E. 169th St. (4991)

SWC Grand Concourse Blvd. & Eliot Pl. (15000)

E/S Grand Concourse Bivd., B/W E. 170th & E. 171st Sts.

NWC Grand Concourse Blvd. & E. 170th St (15007)

W/S Grand Concourse Blvd., B/W E. 170 & E. 171st Sts. (15009)

W/S Grand Concourse Bivd., B/W E. 170 & E. 171st Sts. (25309)

W/S Grand Concourse Blvd., B/W E. 171st & E. 172nd Sts. (15014)

W/S Grand Concourse Blvd., B/W E. 171st & E. 172nd Sts. (25310)

W/S Grand Concourse Bivd., B/W Eliot Pl. & E. 170th St. (15003)

E/S Grand Concourse Bivd., B/W Marcy Pi. & E. 170th St. (15005)

W/S Grand Concourse Bivd., B/W E. 170 & E. 171st Sts. (15008)

E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4985)

E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4986)

W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4989)

W/S Grand Concourse Bivd., B/W Marcy Pl. & Eliot Pl. (4999)

W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308)

Total quantity for CET 636 EC RD = 41

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. **BOROUGH OF THE BRONX**

### CET 636 ED RD ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 30" TO UNDER 34" WIDTH ) At the following locations: E/S Grand Concourse Blvd., N/O McCiellan St. (M-4968)

NWC Grand Concourse Blvd. & McClellan St. (M-4971)

SEC Grand Concourse Blvd. & E. 166th Street (M-4964)

E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (M-4987)

E/S Grand Concourse Bivd., B/W McClelian & E. 167th Sts. (M-4977)

E/S Grand Concourse Bivd., S/O E. 167th Sts. (M-4979)

NEC Grand Concourse Blvd. & E. 167th St. (M-4984)

E/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (25340)

E/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (M-27778)

NWC Grand Concourse Blvd. & E. Clarke Pl. (M-4994)

NWC Grand concourse Bivd. & Marcy Pl. (M-4998)

SEC Grand Concourse Bivd. & Marcy Pl. (M-4997)

E/S Grand Concourse Blvd., B/W E. 170th & E. 171st Sts.

E/S Grand Concourse Bivd., S/O E. 170th St. (M-15006)

NEC Grand Concourse Bivd. & E. 170th St. (M-15010)

S/S E. 170th St., E/O Grand Concourse Bivd. (M-15095)

W/S Grand Concourse Blvd., B/W Eliot Pl. & E. 170th St. (15004)

NEC Grand Concourse Blvd. & E. 169th St. (M-4992)

Total quantity for CET 636 ED RD = 18

### CET 636 EE RD ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 34" TO UNDER 41" WIDTH )

EA.

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for CET 636 EE RD =  $\frac{2}{}$ 

### CET 636 EG RD ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 41" TO UNDER 75" WIDTH )

EA.

At the following locations:

S/S McCielian St., E/O Grand Concourse Bivd. (TM-554)

NWC Grand Concourse Blvd. & E. 167th St. (TM-569)

E/S Grand Concourse Bivd., Across 171st St. (M-15013 - TM-502)

S/S E. 170th St., E/O Grand Concourse Blvd. (TM-506)

N/S Marcy Pl., W/O Grand Concourse Bivd. (TM-1386-M-4998)

Total quantity for CET 636 EG RD = 5

### CET 636 EH RD ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 75" TO UNDER 125" WIDTH )

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for CET 636 EH RD =  $\frac{2}{}$ 

### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST.

### BOROUGH OF THE BRONX

	1	
CET 636 EI RD	ADJUSTMENT OF UTILITY HARDWARE IN ROADWAY ( 125" TO UNDER 170" WIDTH )	EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
CET 636 EA SW	Total quantity for CET 636 El RD = 2  ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( UNDER 7" WIDTH )	EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 636 EA SW = 2	
CET 636 EB SW	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 7" TO UNDER 14" WIDTH )	EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 636 EB SW = 2	
CET 636 EC SW	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 14" TO UNDER 30" WIDTH )	EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 636 EC SW = 2	
CET 636 ED SW	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 30" TO UNDER 34" WIDTH )	EA.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 636 ED SW = 2	
CET 636 EE SW	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 34" TO UNDER 41" WIDTH )	EA.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 636 EE SW = 2	
CET 636 EG SW	ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 41" TO UNDER 75" WIDTH )	EA.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 636 EG SW = 2	

### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE

FROM E. 166TH ST. TO E. 171ST ST.

BOROUGH OF THE BRONX

CET 636 EH SW ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK (75" TO UNDER 125" WIDTH )

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for CET 636 EH SW =  $\frac{2}{}$ 

CET 636 EI SW ADJUSTMENT OF UTILITY HARDWARE IN SIDEWALK ( 125" TO UNDER 170" WIDTH )

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for CET 636 EI SW = 2

CET 636 MA MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDAWARE DURING PAVEMENT MILLING & AND RESURFACING OPERATIONS (UNDER 7" WIDTH)

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 MA =  $\underline{2}$ 

**CET 636 MB** 

MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (7" TO UNDER 14" WIDTH)

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 MB = 2

**CET 636 MC** 

MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (14" TO UNDER 30" WIDTH)

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 MC = 2

**CET 636 MD** 

MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (30" TO UNDER 34" WIDTH)

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 MD = 2

#### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE

### FROM E. 166TH ST. TO E. 171ST ST.

#### **BOROUGH OF THE BRONX**

CET 636 ME MC

MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (34" TO UNDER 41" WIDTH)

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 ME =  $\frac{2}{}$ 

**CET 636 MG** 

MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (41" TO UNDER 75" WIDTH)

ΕA

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 MG = 2

**CET 636 MH** 

MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (75" TO UNDER 125" WIDTH)

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 MH =  $\frac{2}{}$ 

**CET 636 MI** 

MODIFICATION OF METHODS TO ACCOMMODATE UTILITY STREET HARDWARE DURING PAVEMENT MILLING & RESURFACING OPERATIONS (125" TO UNDER 170" WIDTH)

EA.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 MI = 2

**CET 636 RM** 

REBUILDING AND MODIFICATIONS TO UTILITY STRUCTURES

C.Y.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 RM = 2

**CET 636 RS** 

STRUCTURAL REPAIR TO UTILITY STRUCTURES

C.Y.

At the following locations:

AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE

Total quantity for

CET 636 RS = 2

#### HWXP136A

# FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

#### **CET 638N**

### INSTALLATION OF FIELD CONSTRUCTED UTILITY STRUCTURE

C.Y.

### At the following locations:

E/S Grand Concourse Blvd., F/O Bidg. 1150 (SB 4973)

E/S Grand Concourse Bivd., N/O McClellan St. (M-4968)

E/S Grand Concourse Blvd., N/O McClellan St. (SB 4967)

SEC Grand Concourse Blvd. & McClellan St. (M-4970)

W/S Grand Concourse Blvd., B/W E. 166th & McClellan Sts. (SB 4966)

W/S Grand Concourse Blvd., N/O E. 165th St. (SB 4958)

W/S Grand Concourse Bivd., N/O E. 165th St. (SB 4960)

W/S Grand Concourse Bivd., N/O McClellan St. (SB 25339)

W/S Grand Concourse Bivd., N/O McCiellan St. (SB 4969)

E/S Grand Concourse Blvd., B/W McClellan & E. 167th Sts. (4978)

E/S Grand Concourse Bivd., B/W McClellan & E. 167th Sts. (M-4977)

W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4983)

W/S Grand Concourse Bivd., B/W Tudor Pl. & E. 167th St. (4975)

SWC Grand Concourse Blvd. & Eliot Pl. (15000)

W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4989)

E/S Grand Concourse Blvd., S/S Marcy Pl. (M-4997)

E/S Grand Concourse Blvd., S/C B/W Marcy Pl. & Sheridan Ave (New)

E/S Grand Concourse Blvd., N/C B/W Marcy Pl. & Sheridan Ave (New)

W/S Grand Concourse Blvd., B/W Marcy Pl. & Eliot Pl. (4999)

W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308)

E/S Grand Concourse Bivd., B/W Elliot Pl. & 179th St. (New)

W/S Grand Concourse Blvd., B/W E. 171st & E. 172nd Sts. (15014)

W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (25310)

W/S Grand Concourse Bivd., B/W Eliot Pl. & E. 170th St. (15003)

#### Total quantity for

CET 638N = 101

#### **CET 638R**

### BREAK OUT AND REMOVE UTILITY STRUCTURE

C.Y.

### At the following locations:

E/S Grand Concourse Blvd., F/O Bldg. 1150 (SB 4973)

E/S Grand Concourse Blvd., N/O McCiellan St. (M-4968)

E/S Grand Concourse Bivd., N/O McClellan St. (SB 4967)

SEC Grand Concourse Bivd. & McClellan St. (M-4970)

W/S Grand Concourse Blvd., B/W E. 166th & McClellan Sts. (SB 4966)

W/S Grand Concourse Blvd., N/O E. 165th St. (SB 4958)

W/S Grand Concourse Bivd., N/O E. 165th St. (SB 4960)

W/S Grand Concourse Blvd., N/O McClellan St. (SB 25339)

W/S Grand Concourse Blvd., N/O McClelian St. (SB 4969)

E/S Grand Concourse Bivd., B/W McCielian & E. 167th Sts. (4978) E/S Grand Concourse Bivd., B/W McCielian & E. 167th Sts. (M-4977)

W/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (4983)

W/S Grand Concourse Blvd., B/W Tudor Pl. & E. 167th St. (4975)

SWC Grand Concourse Blvd. & Eliot Pl. (15000)

W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4989)

# HWXP136A RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

W/S Grand Concourse Bivd., B/W Marcy Pl. & Eliot Pl. (4999)
E/S Grand Concourse Bivd., S/S Marcy Pl. (M-4997)
E/S Grand Concourse Bivd., B/W Elliot Pl. & 179th St. (M-15006)
W/S Grand Concourse, B/W E. Clarke Pl. & Marcy Pl. (25308)
W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (15014)
W/S Grand Concourse Bivd., B/W E. 171st & E. 172nd Sts. (25310)
W/S Grand Concourse Bivd., B/W Eliot Pl. & E. 170th St. (15003)

Total quantity for

CET 638R = 97

**CET 700** 

SPECIAL MODIFICATION OF WORK METHODS TO ACCOMMODATE/PROTECT UNDERGROUND FACILITIES C.Y. WITH LIMITED COVER

At the following locations:

AS SHOWN ON THE SPECIAL CARE DRAWINGS

Total quantity for

CET 700 = 5.339

**CET 710.1** 

REMOVAL OF ABANDONED UTILITY STEEL/ CAST IRON/ PLASTIC PIPES, UP TO AND INCLUDING 12" DIAMETER PIPES

L.F.

### At the following locations:

E/S Grand Concourse Bivd., F/O Bidg. 1150 (SB 4973)

E/S Grand Concourse Bivd., N/O McCielian St. (M-4968 - SL)

McClellan St., Across Grand Concourse Bivd. (M-4971- SL)

W/S Grand Concourse Bivd., B/W E. 166th & McClelian Sts. (4965 - SL)

W/S Grand Concourse Bivd., B/W E. 166th & McClelian Sts. (SB 4966 - SL)

E/S Grand Concourse Bivd., B/W E. 167th & E. 168th Sts. (4985 - SL)

E/S Grand Concourse Blvd., B/W E. 167th & E. 168th Sts. (M-4987 - SL)

E/S Grand Concourse Blvd., B/W McClelian & E. 167th Sts. (M-4977 - SL)

NWC Grand Concourse Blvd. & Tudor Pl. (4974 - SL)

W/S Grand Concourse Bivd., B/W Tudor Pl. & E. 167th St. (4975 - SL)

E/S Grand Concourse Bivd., B/W E. 169th St. & Marcy Pi. (4993 - SL)

E/S Grand Concourse Bivd., B/W E. 169th St. & Marcy Pl. (4996 - SL)

E/S Grand Concourse Blvd., B/W Marcy Pl. & E. 170th St. (15001 - SL)

NEC Grand Concourse Bivd. & E. 169th St. (M-4992 - SL) SWC Grand Concourse Bivd. & Eliot Pl. (15000 - SL)

W/S Grand Concourse Bivd., B/W E. 168th & E. 169th Sts. (4989 - SL)

E/S Grand Concourse Bivd., Across E. 170th St. (M-15006 - M-15010)

N/S E. 170th St., Across Grand Concourse Blvd. (15007 - M-15010)

Total quantity for

CET 710.1 = 1,201

### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

	· · · · · · · · · · · · · · · · · · ·	
CET 711	USE SHEETING LINE AS FORM	L.F.
	At the following locations:  NWC Grand Concourse Blvd. & McClellan St. (M-4971)	
	NWC Grand Concourse Blvd. & Tudor Pl. (4974) S/S E. 170th St., B/w Grand Concourse Blvd., & Wythe Place	
	Total quantity for CET 711 =	<u>25</u>
CET 781	REMOVABLE CURB SIDEWALK PANEL FOR ACCESS TO UTILITY STRUCTURE OPENINGS	EA.
	At the following locations:  S/S McCiellan St., E/O Grand Concourse Bivd. (M-4970)  E/S Grand Concourse Bivd., S/O E. 170th St. (M-15006)	
	Total quantity for CET 781 =	<u>2</u>
CET 802A	SPECIAL MODIFICATION OF WORK METHODS FOR INSTALLATION OF NEW SIDEWALKS	S.F.
	At the following locations:  AS SHOWN ON THE SPECIAL CARE DRAWINGS	
	Total quantity for CET 802A =	<u>1,584</u>
CET 802B	SPECIAL MODIFICATION OF WORK METHODS FOR INSTALLATION OF NEW CURB	L.F.
	At the following locations:  AS SHOWN ON THE SPECIAL CARE DRAWINGS	
CET 850	Total quantity for CET 802B = PLACING RUBBER SHEETS FOR UTILITY FACILITIES	<u>6.142</u> S.F.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 850 = 1	100
CET 1008V	8" VERTICAL OR ROLLED WATERMAIN OFFSET	EA.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	
	Total quantity for CET 1008V =	<u>I</u>
CET 1008H	8" HORIZONTAL WATERMAIN OFFSET	EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE	<u></u>
	Total quantity for CET 1008H = 4	

### HWXP136A

### RECONSTRUCTION OF GRAND CONCOURSE FROM E. 166TH ST. TO E. 171ST ST. BOROUGH OF THE BRONX

CET 1012V	12" VERTICAL OR ROLLED WATERMAIN OFFSET		EA.
	At the following locations: AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE		
	Total quantity for	CET 1012V = 4	
CET 1012H	12" HORIZONTAL WATERMAIN OFFSET		EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE		<del></del>
	Total quantity for	CET 1012H = 4	
CET 1020V	20" VERTICAL OR ROLLED WATERMAIN OFFSET		EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE		
	Total quantity for	CET 1020V = 4	
CET 1020H	20" HORIZONTAL WATERMAIN OFFSET		EA.
	At the following locations:  AS ENCOUNTERED & DIRECTED BY CON ED REPRESENTATIVE		
	Total quantity for	CET 1020H = 4	

### SCHEDULE U-2 FOR INFORMATION ONLY

### ENGINEER"S ESTIMATE OF QUANTITY AND TYPES OF INTERFERENCE

### FOR EMPIRE CITY SUBWAY CO., LTD.

### **HWXP 136A**

CET ITEM NUMBER	DESCRIPTION	UNITS	ESTIMATED OUANTITY
CET 100.4	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT (TYPE .4)	EA.	1
CET 101.3	DIAMETER (TYPE 3)		
CET 101.4	UTILITIES CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .4)	EA.	1
CET 108.3	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .3)	<u>EA.</u>	1
CET 108.4	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .4)	EA.	1
CET 200.1	EXTRA DEPTH EXCAVATION OF CATCH BASIN CHUTE CONNECTION PIPES	EA.	1
CET 225.1B	INSTALLATION OF CATCH BASINS WITH UTILITY INTERFERENCES	L.F.	50
CET 300	SPECIAL CARE EXCAVATION & BACKFILLING	EA.	1
CET 400	TEST PITS FOR UTILITY FACILITIES	C.Y.	10
CET 401	TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITY FACILIITIES	C.Y.	20
CET 402.1A	EXIST. CONCR. ENCASED CONDUITS PLCD. IN FINAL POS. W. CONCR. ENCSMNT.	L.F.	95
CET 402.V1A	EXIST. VACANT CONCR. ENCASED CONDUITS PLCD. IN FINAL POS. W. CONCR. ENCSMNIT	L.F.	1280
CET 500	RMVL. OF ABNDND MASONRY FOR UTILITY CONDUITS (NON-CONC. ENCSD.)	L.F.	120 560
CET 636 EE	ADJUSTMENT OF UTILITY HARWARE (34" TO UNDER 41" WIDTH)	EA.	3
CET 700	SPECIAL MOD. OF WORK MTHDS TO ACCOM./PROTECT U.G. FACIL. W. LMTD CVR.	C.Y.	90
CET 802A	SPECIAL MODIFICATION OF WORK METHODS FOR INSTALLATION OF NEW SIDEWALKS	S.F.	200
CET 802B	SPECIAL MODIFICATION OF WORK METHODS FOR INSTALLATION OF NEW CURB	L.F.	100
CET 1012V	12" VERTICAL OR ROLLED WATERMAIN OFFSET	EA.	100

### EMPIRE CITY SUBWAY CO., LTD CET SCOPE OF WORK

### SUPPORT & PROTECTION

### HWXP 136A

CE1 100.4	(TYPE .4)	CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TEST PIT	
Sheet #	Station	Locations	1
UP5/UP6	NA	NEC 168th Street and Grand Concourse	1
		Total quantity for CET 100.4 = 1 EA.	
CET 101.3 Sheet #	UTILITIES ( Station	CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .3)	1
UP5/UP6	NA	Locations Intersection 168th Street and Grand Concourse	1
	* .	Total quantity for CET 101.3 = 1 EA.	
CET 101.4 Sheet #	UTILITIES ( Station	CROSSING TRENCH FOR SEWERS OVER 12" TO 24" DIAMETER (TYPE .4)  Locations	1
UP5/UP6	NA	intersection 168th Street and Grand Concourse	1.
		Total quantity for CET 101.4 = 1 EA.	
CET 108.3	UTILITIES	CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .3)	
Sheet #	Station	Locations	1
UP5/UP6	NA	Intersection 168th Street and Grand Concourse	1
		Total quantity for CET 108.3 = 1 EA.	
CET 108.4	UTILITIES	PROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .4)	
Sheet #	Station	Locations	1
UP5/UP6	NA	Intersection 168th Street and Grand Concourse	1
		Total quantity for CET 108.4 = 1 EA.	
CET 200.1 Sheet #	EXTRA DEP	TH EXCAVATION OF CATCH BASIN CHUTE CONNECTION PIPES  Locations	50
NA	NA	As Directed by ECS Field Representative	50
		Total quantity for CET 200.1 = 50 L.F.	
CET 225.1B Sheet #	INSTALLATI Station	ION OF CATCH BASINS WITH UTILITY INTERFERENCES	1
UP5/UP6	NA	Locations NEC 168th Street and Grand Concourse	1
		Total quantity for CET 225.1B = 1 EA.	
<b>CET 300</b>	SPECIAL CA	RE EXCAVATION & BACKFILLING	10
Sheet #	Station	Locations	1.0
UP5/UP6	NA	Intersection 168th Street and Grand Concourse	10
		Total quantity for CET 300 = 10 CY	

### EMPIRE CITY SUBWAY CO., LTD CET SCOPE OF WORK

### SUPPORT & PROTECTION

### HWXP 136A

CET 400 Sheet #	TEST PITS F	FOR UTILITY FACILITIES  Locations	20
NA	NA	As Directed by ECS Field Representative	20
		Total quantity for $CET 400 = 20 C.Y.$	
CET 401 Sheet #	TRENCH EX	CAVATION FOR ADJUSTMENT OF UTILITY FACILIITIES	95
UP5/UP6	NA	Locations Intersection 168th Street and Grand Concourse	95
		Total quantity for CET 401 = 95 C.Y.	
Sirect ii	EXIST. CON Station	CR. ENCASED CONDUITS PLCD. IN FINAL POS. W. CONCR. ENCSMNT.  Locations	1280
UP5/UP6	NA	Intersection 168th Street and Grand Concourse	1280
		Total quantity for CET 402.1A = 1280 L.F.	
CET 402.V1A Sheet #	EXIST. VACA	ANT CONCR. ENCASED CONDUITS PLCD. IN FINAL POS. W. CONCR. ENCSMNT.  Locations	120
UP5/UP6	NA	Intersection 168th Street and Grand Concourse	120
		Total quantity for CET 402.VIA = 120 L.F.	
CET 500 Sheet #	RMVL. OF A	BNDND MASONRY FOR UTILITY CONDUITS (NON-CONC. ENCSD.)  Locations	560
UP5/UP6	NA.	Intersection 168th Street and Grand Concourse	560
		Total quantity for CET 500 = 560 L.F.	
CET 636 EE Sheet #	ADJUSTMEN Station	NT OF UTILITY HARWARE (34" TO UNDER 41" WIDTH )  Locations	3
NA	NA	As Directed by ECS Field Representative	3
		Total quantity for CET 636 EE = 3 EA.	
CET 700 Sheet #	SPECIAL MO Station	DD. OF WORK MTHDS TO ACCOM./PROTECT U.G. FACIL. W. LMTD CVR.  Locations	90
UP3/UP4	NA	Intersection 167th Street and Grand Concourse	55
UP5/UP6 UP9/UP10	NA.	NWC 168th Street and Grand Concourse	15
UF9/UF10	NA	Intersection 171st Street and Grand Concourse	20
		Total quantity for CET 700 = 90 C.Y.	
CET 802A	SPECIAL MO	DIFICATION OF WORK METHODS FOR INSTALLATION OF NEW SIDEWALKS	
Sheet #	Station	Locations	200
NA	NA	As Directed by ECS Field Representative	200
		Total quantity for CET 802A = 200 S.F.	

### EMPIRE CITY SUBWAY CO., LTD CET SCOPE OF WORK

### SUPPORT & PROTECTION

### HWXP 136A

CET 802B SPECIAL MODIFICATION OF WORK METHODS FOR INSTALLATION OF NEW CU Sheet # Station Locations NA NA As Directed by ECS Field Representative		100 100		
		Total quantity for	CET 802B = 100 L.F.	
CET 1012V Sheet #	12" VERTIC	CAL OR ROLLED WATE		1
UP5/UP6	NA	Intersection 168th Str	Locations eet and Grand Concourse	[1.
		Total quantity for	CET 1012V = 1 EA.	

# SECTION U-3

(NO TEXT IN THIS SECTION)

# **TEST PITS**

- (1) THESE TEST PITS DETAIL EXISTING CONDITIONS (AS OF BID DATE) OF UTILITIES AND OTHER SUBSURFACE FACILITIES AT LOCATIONS AS SHOWN ON THE TEST PIT LOCATIONS PLAN OF THE CONTRACT DRAWINGS.
- (2) DEPTHS OF FACILITIES ARE FROM EXISTING ROADWAY AND SIDEWALK ELEVATIONS AS SHOWN, OFFSETS ARE FROM EXISTING CURB, PROPERTY AND BUILDING LINES, AS SHOWN.
- (3) RELEVANT ITEMS ARE NOTED ON EACH TEST PIT DIAGRAM.
- (4) PROPOSED BASIN AND CHUTE LOCATIONS ARE APROXIMATE.



JOB NO: <u>HWXP136A</u>

TEST PIT # 2

PREPARED BY: JEB

DATE: 02/06/2012

CHECKED BY: PΙ

DATE: 02/06/2012

JOB NAME: RECONSTRUCTION OF GRAND CONCOURSE

01/17/2012

PURPOSE: LOCATE FACILITIES

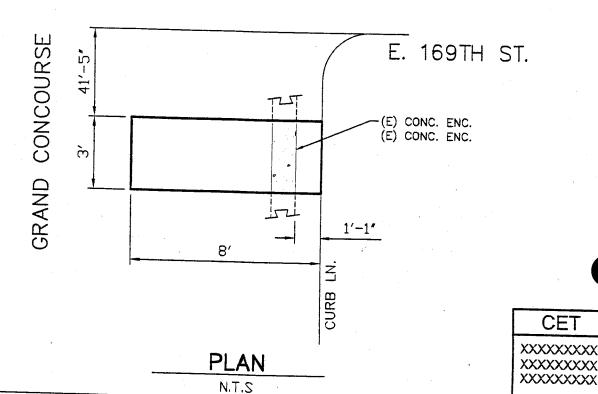
LOCATION: 43' S/D E. 169TH STREET

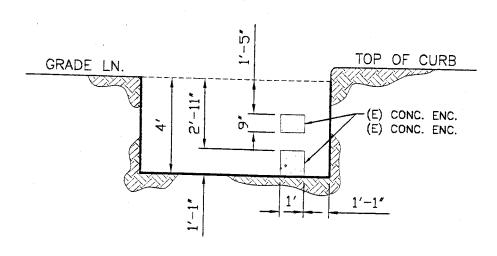
CET

E/S GRAND CONCOURSE

CONTRACT SHEET NO: 5 0F Х

DATE OF EXCAVATION:





A6-54 PROFILE - LOOKING NORTH N.T.S.



PURPOSE: LOCATE FACILITIES

JOB NO:

HWXP136A

TEST PIT # 3

PREPARED BY: JEB

DATE:

02/06/2012

02/06/2012

CHECKED BY:

JOB NAME: RECONSTRUCTION OF GRAND CONCOURSE

01/17/2012

PΙ

DATE:

LOCATION: 40' S/O MARCY PLACE

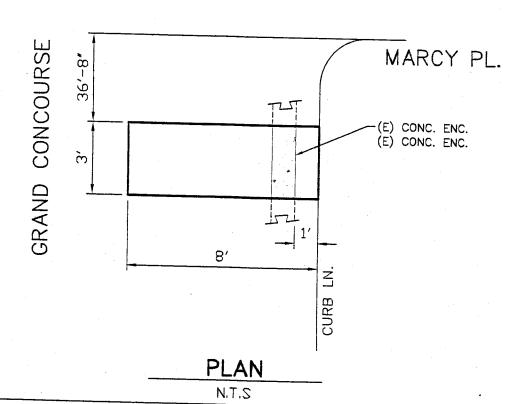
E/S GRAND CONCOURSE

CONTRACT SHEET NO:

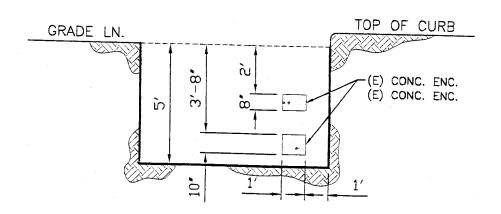
OF Χ



DATE OF EXCAVATION:



CET XXXXXXXX XXXXXXXX XXXXXXXX



A6-55 PROFILE - LOOKING NORTH N.T.S.



PURPOSE: LOCATE FACILITIES

JOB NO:

HWXP136A TEST PIT # 4

PREPARED BY: JEB

DATE:

DATE:

02/06/2012

02/06/2012

CHECKED BY:

JOB NAME: RECONSTRUCTION OF GRAND CONCOURSE

01/17/2012

PΙ

LOCATION: 25' N/O E. 170TH STREET

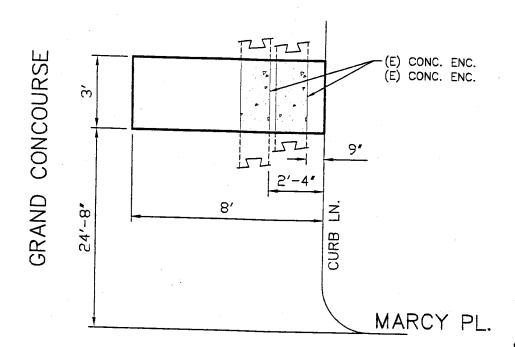
E/S GRAND CONCOURSE

CONTRACT SHEET NO:

OF X

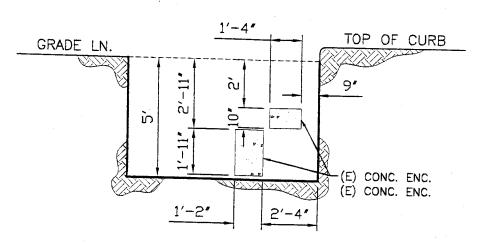


DATE OF EXCAVATION:



**PLAN** N.T.S

**CET** XXXXXXXX XXXXXXXX XXXXXXXX



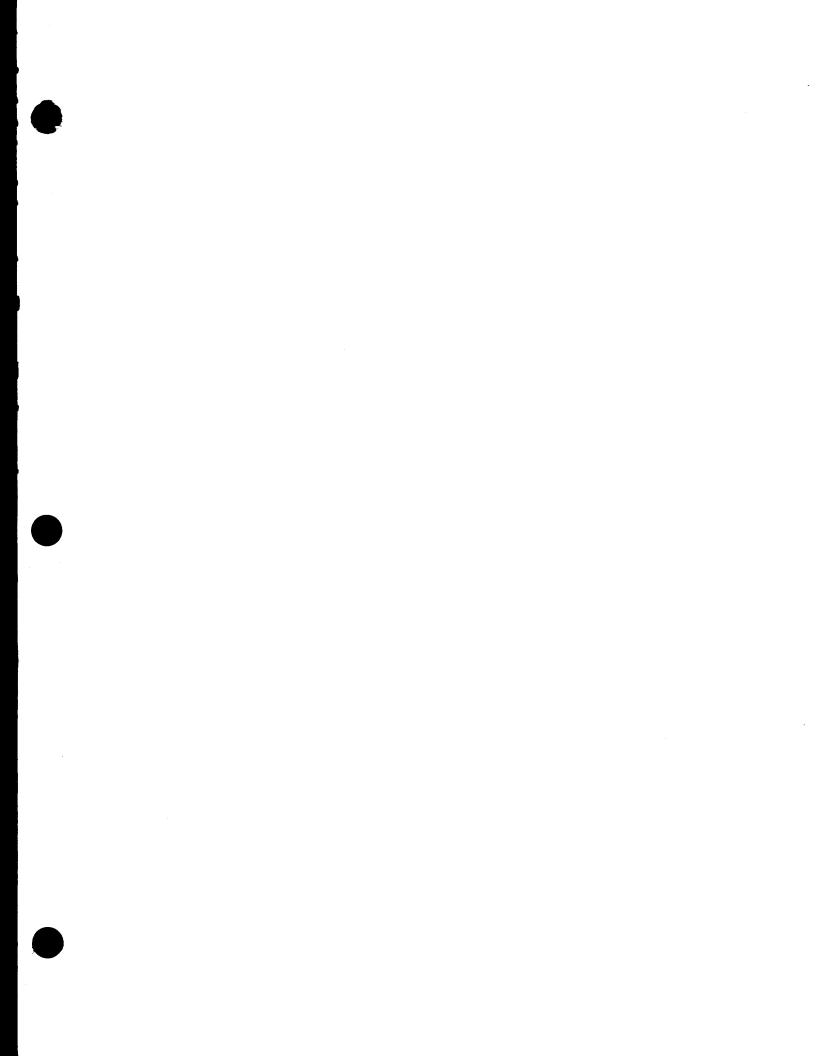
A6-56

PROFILE - LOOKING NORTH

N.T.S.

PROJECT ID: HWX136A

### END OF ADDENDUM No.6

This Addendum consists of Fifty Seven (57) Pages And Twenty Six (26) Pages of Contract Drawings 



# INFRASTRUCTURE DIVISION BUREAU OF DESIGN

### **VOLUME 3 OF 3**

PROJECT ID: HWXP136A

RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS
INCLUDING RESURFACING OF THE MAIN ROADWAY
AND WIDENING OF MEDIANS
FROM EAST 166TH STREET TO EAST 171ST STREET

INCLUDING SEWER, WATER MAIN, STREET LIGHTING, AND TRAFFIC SIGNAL WORK

Together With All Work Incidental Thereto

BOROUGH OF THE BRONX CITY OF NEW YORK

	Contractor.
Dated	