

Department of Design and Construction

# 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

LAW

VOLUME 1 OF 3 BID BOOKLET

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

PROJECT ID: HWPLZ009Q

RECONSTRUCTION OF

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto

BOROUGH OF QUEENS CITY OF NEW YORK



FOR THE DEPARTMENT OF TRANSPORTATION PREPARED BY AKRF Engineering P.C., & HAZEN AND SAWYER

### Bid Tab

Revise Descrip		RECONSTRUCTIO BETWEEN MYRTI BOROUGH OF QU	ON OF 71ST AVENUE LE AVENUE AND 71 EENS	E PLA ST A	AZA VENUE -
Bid Dat	te	7/9/2015	FMS ID	HV	VPLZ009Q
Estima	ted Cost	\$1,510,875.00	Client Agency	DO	T
Bid Security		Not less than 2% of Total Bid Price	PLA	No	
Time A	llowed	365 CCD	Contract Manager	Giovanni Matos	
Addendum		5	Project Manager	Trofimov, Igor	
PIN		8502015HW0030C	E-PIN	85015B0144	
Selective Bidding		□Yes ⊠No	Consultant	AKRF Engineering, PC	
Bid Rank		Vendor	Bid Amount	t	Security Type
1	NY ASPHA	ALT INC	\$2,041,560	.00	Bond
2	NORTHE	GROUP INC.	\$2,374,000.00 B		Bond
3	PERFETTO CONTRACTING CINC.		SO. \$2,387,000	.00	Bond
4	TRIUMPH CONSTRUCTION		\$2,662,424	.39	Bond

Recorder: Brenda Barreiro ext. 1041 Approver:	Recorder:	Brenda Barreiro	ext. 1041	Approver:	
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Bid Tab

4

Pin: 8502015HW0030C

CORP.

\$2,662,424.39

DR. FENIOSKY A. PEÑA-MORA Commissioner

JOHN GODDARD Agency Chief Contracting Officer

**December 09, 2015** 

CERTIFIED MAIL - RETURN RECEIPT REQUEST NY ASPHALT INC 366 INDUSTRIAL LOOP STATEN ISLAND, NY 10309

RE:

FMS ID: HWPLZ009Q E-PIN: 85015B0144001

DDC PIN: 8502015HW0030C

RECONSTRUCTION OF 71ST AVENUE PLAZA BETWEEN MYRTLE AVENUE AND 71ST AVENUE - BOROUGH OF QUEENS

**NOTICE OF AWARD** 

#### Dear Contractor:

You are hereby awarded the above referenced contract based upon your bid in the amount of \$2,041,560.00 submitted at the bid opening on July 09, 2015. 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.

- (1) Execute four copies of the Agreement in the Contracts Unit, 30-30 Thomson Avenue, 1<sup>st</sup> 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.
- (2) Submit to the Contracts Unit four properly executed performance and payment bonds. If required for this contract, copies of performance and payment bonds are attached.
- (3) Submit to the Contracts Unit the following insurance documentation: (a) original 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.

Telephone: (718) 391-2838



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,

John Goddard



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,

John Goddard

# 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: HWPLZ009Q

**RECONSTRUCTION OF** 

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto

BOROUGH OF QUEENS CITY OF NEW YORK

Name of Bidder: NY ASPHALT, Inc.
Date of Bid Opening: (07-09-2015)
Bidder is: (Check one, whichever applies) Individual ( ) Partnership ( ) Corporation (
Place of Business of Bidder: 366 Industrial Loop, STATEN Island
Bidder's Telephone Number: 1718) 966 6544,
Bidder's E-Mail Address: did as a my as that Com & mbocch / Noanyas
Residence of Bidder (If Individual): (CATER ESTIMATOR) (P.M.)
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: MR, MICHAEL THOMPSON,  FRETWOOD DRIVE NORTH, COLTS NECK, NJ 07722
Name and Home Address of Secretary:  AMANDA GLANZ,  1400 MOUNTAIN TOP ROAD, BRIDGEWATER, NJ.
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:
- 10. <u>M/WBE UTILIZATION PLAN</u>: By signing its bid, 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 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.

(NO TEXT ON THIS PAGE)

#### **BID FORM**

#### PROJECT ID. <u>HWPLZ009Q</u>

<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)

\$2,040,883.50 80 7/9/5

#### **BIDDER'S SIGNATURE AND AFFIDAVIT**

Bidder: NY ASPHALT, Inc.

 $\mathbf{R}_{\mathbf{W}}$ 

(Signature of Partner or corporate officer)

MR. MICHAEL THOMPSON

MR. JOE GIANNETT

Attest:

(Corporate Seal)

Secretary of Corporate Bidder

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

MARIA GUADAGNO
Notory Public - State of New York
NO. 01GU6137139
Gualited in Richmond County
My Commission Expless

### **BID FORM** (TO BE NOTARIZED)

#### AFFIDAVIT WHERE BIDDER IS AN INDIVIDUAL

STATE OF NEW YORK, COUNTY OF ss: being duly sworn says:
I am the person described in and who executed the foregoing bid, and the several matters therein stated are in all respects true.
(C) Cd 1 1 1 1 D(1)
Subscribed and sworn to before me this day of,
Notary Public
AFFIDAVIT WHERE BIDDER IS A PARTNERSHIP
STATE OF NEW YORK, COUNTY OF ss:
I am a member of the firm described in and which executed the foregoing bid. I subscribed the name of the firm thereto on behalf of the firm, and the several matters therein stated are in all respects true.
(Signature of Partner who signed the Bid)
Subscribed and sworn to before me this day of,
Notary Public
AFFIDAVIT WHERE BIDDER IS A CORPORATION
STATE OF NEW YORK, COUNTY OF RICHMOND ss:  MR, MICHAEL THOMPSON being duly sworn says:  I am the PRESIDENT of the above named corporation whose name is subscribed to and which executed the foregoing bid. I reside at FRETWOOD DRIVE NORTH COUTS NECK I have knowledge of the several matters therein stated, and they are in all respects true.
(Signature of Corporate Officer who signed the Bid)
Subscribed and sworn to before me this  1977 day of This 2015  MR, MICHAEL THOM PSON)
Notary Public  MARIA GUADAGNO  Notary Public - State of New Yolk  NO. 01GU6137137  Qualified in Richmond County  My Commission Expires 17-14-17

#### **AFFIRMATION**

#### PROJECT ID. HWPLZ009Q

upon de New Y York, r	ebt, cont ork, and nor is the	d bidder affirms and declares that said bidder is not in arrears to the City of New York ract or taxes and is not a defaulter, as surety or otherwise, upon obligation to the City of has not been declared not responsible, or disqualified, by any agency of the City of New are any proceeding pending relating to the responsibility or qualification of the bidder to contracts except:
(If non	e, the bio	dder shall insert the word "None" in the space provided above.)
	nme of B s: _36 _57	
CHEC	K ONE I	BOX AND INCLUDE APPROPRIATE NUMBER:
/	A -	Individual or Sole Proprietorship* SOCIAL SECURITY NUMBER
/	В-	Partnership, Joint Venture or other unincorporated organization EMPLOYER IDENTIFICATION NUMBER
		<del></del>
_ <b>V</b> _/	C-	Corporation EMPLOYER IDENTIFICATION NUMBER  (13-4/10973)
Ву:	Sign	ature (MR. MICHAEL THOMPSON).
Title:_	(P)	RESIDENT)
	If a cor	poration, 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

Items listed in this Bid Schedule which have one (1) digit followed by a decimal (e.g. 4.02 CB), shall comply with the requirements of the corresponding numerical Sections of the NYCDOT Standard Highway Specifications, dated November 1, 2010, as amended by Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule which have two (2) digits beginning with the numbers "5", "6" and "7" followed by a decimal (e.g. 52.11D12, 60.12D06, and 70.21DK) shall comply with the requirements of the New York City Department of Environmental Protection (NYCDEP) STANDARD SEWER AND WATER MAIN SPECIFICATIONS dated July 1, 2014, as amended by Addendum No. 2, herein Volume 3 of 3.

Item Nos. "GI-PLZ009Q" and "HW-914" listed in this Bid Schedule shall comply with the requirements of the corresponding alphanumeric Sections incorporated in Addendum No. 1, herein Volume 3 of 3.

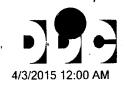
Items listed in this Bid Schedule with the prefix "PK-" (e.g. PK-12C) are modified version of NYCDPR Items and shall comply with the requirements of the corresponding alphanumeric Sections incorporated in Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with the prefix "SL-" (e.g. SL-20.09.06) are Street Lighting Items, less the prefix, which shall be done in accordance with the requirements of Subsection 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications.

Items listed in this Bid Schedule beginning with the prefix "T-" (e.g. T-1.20) are Traffic Items, less the prefix, which shall be done in accordance with the requirements of Subsection 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications.

Items listed in this Bid Schedule beginning with the prefix "UTL-" (e.g. UTL-6.01.9) are Gas Cost Sharing (EP-7) Items which shall be done in accordance with the requirements of the corresponding numeric Sections incorporated in Addendum No. 3, herein Volume 3 of 3.

(NO TEXT ON THIS PAGE)



CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

### **BID SCHEDULE**

- NOTE: (1) The Agency may reject a bid if it contains unbalanced bid prices. An unbalanced bid is considered to be one containing lump sum or unit items which do not reflect reasonable actual costs plus a reasonable proportionate share of the Bidder's anticipated profit, overhead costs, and other indirect costs, anticipated for the performance of the items in question.
  - (2) The following bid prices on Unit Price Contracts are to be paid for the actual quantities of the item numbers in the completed work or structure, and they cover the cost of all work, labor, material, tools, plant and appliances of every description necessary to complete the entire work, as specified, and the removal of all debris, temporary work and appliances.
  - (3) PLEASE BE SURE A LEGIBLE BID IS ENTERED, IN INK, FOR EACH ITEM. Alterations must be initialed in ink by the bidder.
  - (4) The Extended Amount entered in Column 6 shall be the product of the Estimated Quantity in Column 3 times the Unit Price Bid in Column 5.
  - (5) Prospective bidders must examine the Bid Schedule carefully and, before bidding, must advise the Commissioner, in writing, if any 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 - 3 Through B - 37

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.

PROJECT ID: HWPLZ009Q

**CONTRACT PIN: 8502015HW0030C** 

### **BID SCHEDULE FORM**

COL. 1 SEQ. NO	COL. 2  ITEM NUMBER and DESCRIPTION	COL 3 ENGINEERS ESTIMATE	COL 4	COL.5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	
001	4.02 AF-R ASPHALTIC CONCRETE WEARING COURSE, 2" THICK	OF QUANTERY	S.Y.		\$ \\ \frac{\delta}{\delta} \  \frac{\delta}{\d	\$9,956	CTS OB
002	4.02 AG ASPHALTIC CONCRETE WEARING COURSE, 3" THICK	988.00	S.Y.	<b>\$35</b>	20	¥34,580	60
003	4.02 CB ASPHALTIC CONCRETE MIXTURE	113.00	TONS	\$190	N To	¥21,470	90
004	4.04 H CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH)	29.00	C.Y.	\$ 600 10	XX XX	\$17,400	00°
	4.04 HC CONCRETE BASE FOR PAVEMENT, 8" THICK (HIGH-EARLY STRENGTH)	39.00	C.Y.	\$435 S	\$ TX	P18,525	7×
006	4.05 AX HIGH-EARLY STRENGTH REINFORCED CONCRETE PAVEMENT (BUS STOPS)	69.00	C.Y.	\$ 70p	90 200	\$48,300	00



PROJECT ID: HWPLZ009Q

**CONTRACT PIN: 8502015HW0030**C

### **BID SCHEDULE FORM**

COL. 1	COL. 2  ITEM NUMBER and DESCRIPTION /	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4	(IN FIGURES)	4.4	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS
007	4.06	11.00	C.Y.			:
	CONCRETE IN STRUCTURES, CLASS A-40			\$1,400	40° XX	\$15,400 XX
008	4.07 DMLS1 RAISED DOLOMITIC LIMESTONE CURB, STRAIGHT	88.00	L.F.	\$ 290	rop	
				, ,	Χ×	\$25,520 XX
009	4.07 DMLS2 RAISED DOLOMITIC LIMESTONE CURB, STRAIGHT WITH NOTCHES	47.00	L.F.	\$ 310	00	
				·	: ^\y	\$4,570 30
010	4.07 DMLS3 RAISED DOLOMITIC LIMESTONE CURB , RADIUS	66.00	L.F.	\$ 325	90	, ,
				,	¥χ	\$21,450 SX
011	4.07 DMLS4 RAISED DOLOMITIC LIMESTONE CURB, STRAIGHT AND RADIUS	4.00	L.F.	\$1,000	200	
	RAISED DOLOMITTE CIMESTONE GOND, GYTWAGTT 7415 TO LOTO			11900	×>	\$4,000
012	4.09 ADB STRAIGHT STEEL FACED CONCRETE CURB (20" DEEP)	162.00	L.F.	\$90	00	
	STRAIGHT STEEL FACED CONCILIE COND (20 DEEP)				×y	\$14,580 XX

PROJECT ID: HWPLZ009Q

CONTRACT PIN: 8502015HW0030C

### **BID SCHEDULE FORM**

COL 1	COL 2  ITEM NUMBER and DESCRIPTION	CGE 3 ENGINEER'S ESTIMATE OF QUANTITY	COL.4	COL:8 UNIT:PRICE (IN FIGURES') DOLLARS CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS
013	4.09 AF STRAIGHT STEEL FACED CONCRETE CURB (27" DEEP)	169.00	L.F.	\$115 rop	\$19,435
014	4.09 CDB  CORNER STEEL FACED CONCRETE CURB (20" DEEP)	80.00	L.F.	\$120 00 XX	\$9,600 XX
015	4.11 CA FILL, PLACE MEASUREMENT	65.00	C.Y.	\$ 185 to \$ 150 XX	\$9,750 °°°
016	4.13 AAS 4" CONCRETE SIDEWALK (UNPIGMENTED)	2,202.00	S.F.	\$8 10°	\$17,616
017	4.13 AAX 4" CONCRETE SIDEWALK WITH SPECIAL SCORING (UNPIGMENTED)	1,963.00	S.F.	\$ 13 TON	\$25,519 OF
018	4.13 DE EMBEDDED PREFORMED DETECTABLE WARNING UNITS	20.00	S.F.	\$2/9 00	\$4,380 XX

MA 30215 12:00 AM

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

**BID SCHEDNIE FORM** 

1

**CONTRACT PIN: 8502015HW0030C** 

PROJECT ID: HWPLZ009Q

#### TREES PLANTED, 3-1/2" TO 4" CALIPER, DECIDUOUS **EACH** 2.00 4.16 DT 054 TOPSOIL FOR NEW PLANTING BEDS C.Y. 3.00 4.15 PS 023 STEEL REINFORCEMENT BARS LBS. 239.00 41.4 022 **AGGREGATE** 7" CONCRETE SIDEWALK, SAND-COLOR WITH EXPOSED S.F. 254.00 4.13 ESB 1ZO AGGREGATE 4" CONCRETE SIDEWALK, SAND-COLOR WITH EXPOSED 1,952.00 S.F. 4.13 ESA 020 11 EMBEDDED DETECTABLE WARNING PAVERS, 24" X 24" X 2-1/2" S.F. 20.00 4'13 DE-KB 610 TINU · **STITINAUD FO** ITEM NUMBER AND DESCRIPTION SEO' NO ( и ывпиев) (IN FIGURES.) ESTIMATE \*EXTENDED AMOUNTS **JOINT PRICE ENGINEERS COF** 2 COL. 2 COF L

4/3/2015 12:00 AM

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

NEW YORK CITY DEPARTMENT OF DESIGN

### **BID SCHEDNTE LOBW**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

	SIO	DOFFARS (IN FIGURES) EXTENDED AMOUNT	CLE	COL 5	COF 4	OF QUANTITY ENGINEERS ENGINEERS	IJEM NOMBER BDG DESCRIPTION  COL. 2	SEC NO
<u>^</u>	40 XX	0024	XX	54	EACH	00.4	4.17 APS PERENNIAL OR SHRUB PLANTED, 1 GALLON, ALL TYPES	
	40	529\$	× <u>K</u>	571\$	EACH	5.00	4.17 D5G SHRUBS PLANTED, DECIDUOUS, 5 GALLON, ALL TYPES	920
	40	. 54/2\$	×X ×X	575	EVCH	00.88	<b>Δ.17 OG1QT</b> ORNAMENTAL GRASS PLANTED, 1 QT	<b>720</b>
	XX	50514	00	524	EVCH	00.64	TOS2QT ORNAMENTAL GRASS PLANTED, 2 QT	058
	48	052\$	90 XX	St.1\$	EACH	00.S	4.17 ОG5G ОRИРМЕИТАL GRASS PLAUTED, 5 GALLON	029
^	39	085.54	<i>★</i> ✓,	.02\$	EVCH	00.6S1 ,	. <b>4.17 Р1QT</b> РЕРЕПИІРІS 2 QT	030

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

### **BID SCHEDNIE FORM**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

*	\$25,000 ton	xx 000/11\$	Е∀СН	2.00	V000SA021S.13 S-A BRYT BLOHNAM GRADNATS	980
187	××× 00564\$	XX 00/6/	.F.	00.11	50.41C6E12 12" D.I.P. CLASS 56 COMBINED SEWER, ENCASED IN CONCRETE	980
(A)	40. 000 SE \$	20, 005 k	.F.J	00.07	<b>50.31CC15</b> 15" E.S.V.P. COMBINED SEWER, ON CONCRETE CRADLE	<b>1</b> 20
7	79.091801\$	×x 20, 59 \$	ян/а	00. <del>1</del> 99,1	4.21 TREE CONSULTANT	<b>660</b>
^	0064	1x 251\$	E <b>V</b> CH	00.9	4.17 PG3G PERENNIALS OR GROUNDCOVERS, PLANTED, 3 GALLON, ALL TYPES	ZE0
, 	35 ALL S\$	XX 8Z\$	E <b>V</b> CH	238.00	<b>4.17 P2QT</b> PERENNIALS 2 QT	1£0
	DORTHER CLE (IN EIGHBER) EXLENDED WIGNAL COLLE	DOLLARS C.S. (INVERDIRES) ANNUMBRICE COLLEGE	OME COT 4	GE GRYNLLLA EZLIWYLE ENGINEELS COF 3	LEM NUMBER OF DESCRIPTION  COL. 2	COF 1

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

### **BID SCHEDNTE LOBW**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

	EXTENDED AMOUNT EXTENDED AMOUNT COL. 6		COL 5	#TIOD	EZLIWALE ENGINEERIZ COLI 2	COL.2	SEO NO COL I
STS AØ		00 CLS	* POLLARS **	EACH	YTTTNAUQ HO	51.415001	037
XX.	\$00°51\$	*	000/5/4			F 3TANDARD CATCH BASIN, TYPE 1	
				.F.	34.00	52.11D12 12" DUCTILE IRON PIPE BASIN CONNECTION	880
30.	435/21\$	40; XX	048\$			NOTIONNO NICHT JULIANOU ZZUGOG ZU	
		~~?	۲/۱ <del>۱</del>	L.F.	00.091	<b>52.41V06R</b> 6" E.S.V.P. HOUSE CONNECTION DRAIN ON CONCRETE CRADLE	620
10.	×004Z\$	XX XX	951\$			(RECONNECTION)	
		301		.3.1	00.091	52.41V08R	040
XX.	008亿本	20 ×	5512			8" E.S.V.P. HOUSE CONNECTION DRAIN ON CONCRETE CRADLE (RECONNECTION)	
49.	-£0°9\$	481	505	.F.J	00.18	<b>53.11DR</b> TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS	L <del>†</del> 0
XX	-( /->	40.	5£\$		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,	
		40.	81\$	.H.J.	200.00	SEMER CLEANING	240
NX XX	400%	X					

MA 00:S1 310S/E/4

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

FORM	HEDNIE	BID 2CH

	XX	4004	00 XX	L8\$	.Y.8	00.26	<b>АА 50.8</b> рочемент зивресе (разрадтіс соисвете)	8†0
	XX XX	20072\$	40. XX	000/\$	C.Y.	00.S	<b>6.02 PB</b> BACKFILLING AROUND TREES	<b>4</b> †0
	80	\$2,000	40. XX	4006/4	C.Y.	00.S	AG 50.8 PNEUMATIC EXCAVATION AROUND TREES	9†0
	40 X	68457\$	<u></u>	H\$	.Ү.Э	359.00	<b>6.02 AAN</b> UNCLASSIFIED EXCAVATION	970
*		200°01 ¢		wa0614	E <b>V</b> CH	00.r	<b>55.11AB</b> ABANDONING BASINS AND INLETS	<del>111</del> 0
	40°	000014	×× 00,	000/01#	.Ү.Э	00.1	<b>54.12CS</b> CLEANING OF DRAINAGE STRUCTURES	£ <del>†</del> 0
	810 3 3 4	DOFFYBS (IN MICHES) EXTENDED WOONN COT (P	-S10	DOPWER (IN EIGNBER)  NAIL BRICE COF R	DAIL COP 4	OF CINEMILLA EZIMPLE :: ENCHREEKS : COIT :3	LIEW NAMBER (SUP DESCRIBLION)	SECUNO COLI

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

### BID SCHEDNIE FORM

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

40 ×	29865	40 XX	204 / \$	.Y.O	00.T	<b>6.36 DR</b> STRUCTURAL REPAIR AND ADJUSTMENT OF UTILITY STRUCTURES	D24
0,0 ±	0584\$	××	05\$	.a.u	00.7e	6.28 AA Бараляя в в в в в в в в в в в в в в в в в в	023
×X:	2594	20° XX	7/4	. <del>1</del> .1	00.88£	6.26 VIMBER CURB	025
407	94661\$	ø0.		.Ŧ. <i>8</i>	00.448,4	<b>6.25 RS</b> TEMPORARY SIGNS	190
xx 8	58694	XX XX	19575	.F.J	00.11	6.23 XBE FURNISH AND INSTALL 2" GALVANIZED STEEL CONDUIT (WITH PAVEMENT EXCAVATION)	020
094	48,860	× <u>X</u> 00.		·sa1	2,200.00	<b>6.22 F</b> Вротіола накруан Јалоітіода	6†0
® CLS	EXTENDED AMOUNT ( IN FIGURES ) DOLLARS	CIS	COL 5 JOSES VIN FIGURES VIN FIGURES	1/100 2017	COL 3 COL 3	COL, 2	RECTIONS

MA 00:S1 310S/E/A

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

**BID SCHEDNTE FORM** 

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

,	<u>20</u> 1 <u>X</u> X :	25/25	ΧX	44			SAWCUTTING EXISTING PAVEMENT	
			40	75	.a.J	00.889	<b>6.55</b>	090
**	×0 ×	75775	40 XX	, (			REMOVE EXISTING LANE MARKINGS (4" WIDE)	
The same			40	\$	.F.	2,232.00	6.53	690
, inc	A O	802.24	OF THE PERSON NAMED IN COLUMN TO PERSON NAME	U\$			ТЕМРОRARY РАVЕМЕИТ МАRKINGS (4" WIDE)	<del></del>
			70	1277	TE:	00.401,1	6.49	890
7	40 XX	669/84	75Q	1\$				, <del></del>
		,	ao	5215	.F.J	00.669,8	6.44 THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (4" WIDE)	<b>L</b> 90
_	40	V00 E\$	XX	- (-				. <b></b>
r de la companya de l			00	025	SETS	150.00	<b>6.43</b> SH9ARDOTOH9	990
	XX	251°000	XX					
			00	0951\$	НТИОМ	00.81	E.40 A  ENGINEER'S FIELD OFFICE (TYPE A)	920
	SLO	DOTTWEE	CLS	DOFFABS	LIND	SETIMATES OF OUTAIN	LIEW NUMBER and DESCRIPTION	SEO NO
		EXLENDED NOONLE		OOF 2	7 TOS	ENGINEELS COE 3		i "Too

MA 00:21 2102/8/A

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

CONTRACT PIN: 8502015HW0030C DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN PROJECT ID: HWPLZ0090

### **BID SCHEDNTE LOBW**

-	4		<u>.</u>	•		
k.	vo 2501/\$	** SE \$	.a	00.05	<b>6.82 В</b> REMOVING EXISTING ТRAFFIC AND STREET NAME SIGN POSTS	- P
	1x 042 04	\$ 51\$	.Ŧ.8	00.83r	<b>6.82 А</b> ВЕМОУІИ <i>G</i> ЕХІЗТІИG ТRAFFIC AND STREET NAME SIGNS	
•	00 006 9\$	× 00994	EVCH	00.4	<b>Б.Т. Я Г.Т.</b> МЕТАL ТЯАЗН RECEPTACLE	<b>†</b> 90
×.	4K 002621\$	*X 00Z\$	жэ.	00.19	6.75 GRINDING EXISTING ASPHALTIC CONCRETE WEARING COURSE	£90
	000 / S	xx vas\$	S.Y.S	2.00	6.68 PLASTIC FILTER FABRIC	<b>Z90</b>
	15 NOO-14	100 005\$	C.Y.	2.00	6.67 SUBBASE COURSE, SELECT GRANULAR MATERIAL	L90
	DOLLARS : CTS  COL. 6	DOFTYBS CLS (IN FIGURES) (ANT PRICE COLL 5	100°C	OF GUANTITY  ENGINEER'S  ESTIMATE  COL 3	COL. 2.	SEO NO

MA 00:ST 310S/E/A

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

### **BID SCHEDNTE LOBW**

							- N/ V
270	<b>78.8</b> PLASTIC BARRELS	256.00	EVCH	\$ 50	XX XX	07/55	90.
220	28 9	00 930	11047			( )	XX.
	STSOG NGIS SIGN POSTS			0.06\$	QQ.	025 7.5	V0 7
170	BB 88.8	50.00	L.F.				
	INSTALLING TRAFFIC SIGNS			07\$	8	907\$	10
070	A8 58.8	00. <del>1</del> 01	S.F.			,	
	FURNISHING NEW REFLECTORIZED TRAFFIC SIGNS			024	×× 00.	028 \$	×0
690	ЯА £8.9	00.14	S.F.			i. I	
	FURNISHING NEW TRAFFIC SIGN POSTS	00:00	. 11	525	××	25/6/\$	NX.
890	6.83 AB	50.00	.F.J			(/ / / /	XX
	FURNISHING NEW NON-REFLECTORIZED TRAFFIC SIGNS			£1\$	₩ XX	HO 1/4	a'a }
۷90	AA 88.9	00.69	S.F.	,			
SEC NO	LEM NUMBER and DESCRIPTION	ERTIWATE  BETIWATE  BETIWATE	_ ДИО. —	DOFFWAR (IIV.EIGNBER) (IV.EIGNBER)	<b>4</b> 3 3 3	DOTTARS (IN EIGNES) EXTENDES AMOUNT	<b>81</b> 0//
COL1	COUNTY OF THE PROPERTY OF THE	COF 3	COF 4	COT 2		COF e	

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

## DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

**BID SCHEDNTE LOBW** 

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

	40	868 165	×××	78\$			FURNISHING AND DELIVERING 12-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	
	(0.)			CO 4	.a.J	00.685	60.11R612	870
	00	00/1/E	XX 00,	of\$	· <b>∃</b> :¬	20.00	60.11R610 FURNISHING AND DELIVERING 10-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	<i>LL</i> 0
•	NX NX	406,512	% ≪	: 95\$	:H.J	00.87S	60.11R608 FURNISHING AND DELIVERING 8-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	940
	-00 XX	25862\$	XX 8	85\$	.F.J	00.8 <b>₹</b>	60.11R606 FURNISHING AND DELIVERING 6-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	940
^	99.	0115\$	~o. ₩X	. 000/5\$	·8·٦	00.1	6.99 AUDIO AND VIDEO DOCUMENTATION SURVEY	<b>⊅</b> ∠0
લ્યું.	90 X	29567\$	40 ×X	£\$	.A.J	00. <del>1</del> £8	6.91 REFLECTIVE CRACKING MEMBRANE (18" WIDE)	£Z0
	CIS	DOFTABS (IN FIGURES) EXTENDED AMOUNT COL 6	ELO:	COL.5. UNIT PRICE (IN FIGURES)	COF 4	COL 3 EVGINEERS ESTIMATE OF QUANTITIY	ILEM NOMBER PUR DESCRIBLION  COL. 2	SEC NO

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

	NO 07684 \$	WX 25/14	.31	00.S0 <del>1</del>	60.12D12 LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS	280
^	* oot to	×× 056\$	.F.J	00.S2	60.12D10 LAYING 10-INCH DUCTILE IRON PIPE AND FITTINGS	180
	20. 044 7g	<b>愛</b> の で   本	.F.J	00.782	60.12D08 LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS	080
٢	30 Al 12\$	XX 5275	.a.J	00.77	60.12D06 LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS	640
	DOTT VBS C18 (IN EIGHBER) ESTERNED WORN!	DORIVES C.2 (IN EIGNBES) NNUEBBIGE	ШNN	DE DOMNILLA EQUINALE ENGINEERST	LEM NUMBER and DESCRIPTION	. SEO. NO

**BID SCHEDNTE FORM** 

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

3.00

**SNOT** 

71 - 8

FURNISHING AND DELIVERING DUCTILE IRON MECHANICAL JOINT 24 -INCH DIAMETER AND SMALLER FITTINGS, INCLUDING WEDGE TYPE

42A0ME1.03

680

NEW YORK CITY DEPARTMENT OF DESIGN NEW YORK CITY DEPARTMENT OF DESIGN

### **BID SCHEDNTE LOBW**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

	_\\	/ - /		AND AN OWNER, THE PARTY OF THE				:
٢	011	400 24	×X.	wo 61 \$	EVCH	2.00	61.12DMM08 SETTING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	880
	<b>60</b> √ X	8654\$	XX	-66±\$	EVCH	2.00	61.12DMM06 SETTING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	۷80
	×0.	.002/8\$	20°	00262\$	ЕУСН	00.r	S1.11DMM12 FURNISHING AND DELIVERING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	980
· ·	00 - XX	00268\$	40. XX	00.94	EACH	00.S	61.11DMM08 FURNISHING AND DELIVERING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	980
5-	90.	, v09'E\$	XX 20.	005/14	ЕРСН	00.S	61.11DMM06 FURNISHING AND DELIVERING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	<b>≯</b> 80
	SIO	COL: 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	STO	COLL 5 UNIT PRICE (IN FIGURES)	ONLE COF 4	OF QUANTITY ESTIMATE FORMEER'S COL 3	COL, 2.  ITEM NUMBER and DESCRIPTION	ZEC' NO

4/3/2015 12:00 AM

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

FORM	SCHEDNIE	BID 8

		<del>-</del>					1
Law Long Stra						(, )	
<del>1</del> ⁄60	<b>63.11VC</b> FURNISHING AND DELIVERING VARIOUS CASTINGS	00.£	SNOT	000°84	8 XX	20076\$	40
£60	<b>62.14FS</b> FURNISHING, DELIVERING AND INSTALLING HYDRANT FENDERS	00.4	EVCH	959 \$	39.X	\$2, 600	80
<b>Z60</b>	<b>H751.13FH</b> REMOVING HYDRANTS	00.f	ЕРСН	12760	ad XX	43,400	90:
160	62.12SG SETTING HYDRANTS COMPLETE WITH WEDGE TYPE RETAINER GLANDS	2.00	E <b>V</b> CH	\$ 5,000	XX	\$ 4.000	10
060	<b>62.11SD</b> FURNISHING AND DELIVERING HYDRANTS	2.00	ЕРСН	009°E\$	XX 00.	205 F	40.
680	V SETTING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	00.1	EACH	2956/4	×X 00.	× 956 \$	40)
ZEC; NO	COL.2. ITEM NUMBER BAD DESCRIPTION	OF QUANTITY ESTIMATE ENGINEERS CORTS	ЛИЦ COF 4	DOTTVB2 (IN LICHER) FIND SHICE COLES	SL3.	DOFFVBS (IN EIGNBER) EXLENDED VWONN COFF 6	S10.

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

### **BID SCHEDNIE FORM**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

,	40 XX	00605\$	\$0, XX		F-E-	00.801	64.11ST WITHDRAWING AND REPLACING HOUSE SERVICES USING SMALLER THAN 1-1/2-INCH SCREW TAPS 64.12COLT	960
	20 XX	0814\$	80) XX	584	·		CUTTING AND OFFSETTING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3-INCH DIAMETER)	
	××.	.00/5\$	8 XX	00(\$	.F.J	64.00	64.12ESLT EXTENDING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3-INCH DIAMETER)	<b>∠60</b>
	40× XX	6504\$	XX 05.	E¢	LBS.	00.535,†	65.11BR FURNISHING, DELIVERING AND INSTALLING BANDS, RODS, WASHERS, ETC., COMPLETE, FOR RESTRAINING JOINTS	860
7	90	70/95	00 XX	£\$	.я.л	00. <del>1</del> 6£	65.21PS FURNISHING AND PLACING POLYETHYLENE SLEEVE Unit price bid shall not be less than: \$ 1.00	660
X/C	× 05 1	1片生年	St.	0\$	.Ŧ. <b>2</b>	00.282,01	65.31FF +∪RИІЗНІИG, DELIVERING AND PLACING FILTER FABRIC Unit price bid shall not be less than: \$0.50	001

MA 00:St 2105/8/A

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

PROJECT ID: HWPLZ009Q

### **BID SCHEDNIE LOBW**

-	<del>-/</del> -							
<b>~</b>	VX VX	4854	4VX	57\$	.F.J	00.358,r	7.3 <b>6</b> РЕDESTRIAN STEEL BARRICADES	106
r	ag	266,000	<u>∞0</u> ₹X	7 0/ 1 <i>2</i> ~	.F.J	00.004	<b>7.30 B</b> REMOVAL OF TRACK	102
Contract	40	2007	40. XX	00£\$	.Y.O	00.8	7.18 СМ СОИТROLLED LOW STRENGTH MATERIAL (CLSM)	104
•	40°	029 05	40 XX	/ /  -	.Y.O	00.8£	7.16 D TEST PITS	103
	XX.	500/25\$	70 XX	£914	HTNOM	12.00	7.13 B MAINTENANCE OF SITE Unit price bid shall not be less than: \$ 2,500.00	102
^	N.X.	25255	XX	501\$	.Y.O	00.24	65.71SG SCREENED BROKEN STONE BEDDING SCREENED BROKEN STONE BEDDING	101
	<b>51</b> 3	DOFFARS  (IN FIGURES)  EXTENDED AMOUNT  COL. 6	SIO	· (IN FIGURES)	ONU. COT 4	OF QUANTITY SESTIMATE COL. 3	LIEM NUMBER and DESCRIPTION  COL. 2	REG' NO

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

CONTRACT PIN: 8502015HW0030C DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN PROJECT ID: HWPLZ0090

### **BID SCHEDNTE LOBW**

,	XX 20	00560/4	X18.	0051\$		0014	MOVABLE UMBRELLA WITH BASE	
1		,		. ,	EACH	00.Τ	M-4AM-78 03.7	112
7	20.	0087\$	00	008/14	ЕУСН	00.f	7.50 SF-MA3-C MOVEABLE TABLE WITH CHESS TABLETOP	111
<b>Γ</b>	90 KK	.000'9 \$	X 8	. 409\$	EACH	00.01	FAM-78 02.7 MOVEABLE TABLES	011
<b>/</b>	× <u>k</u>	005 44	8 8	025\$	EACH	00.6	7. <b>50 SF-MA2</b> LOUNGE CHAIRS	601
f*	40 XX	0084\$	80.	1 NOO	EVCH	00.9Z	7. <b>50 SF-MA1</b> сныяз	801
^	40 XX	. 587°/5\$	2/2	561\$	C.F.	00.532	7.50 DMLS 7.60 DMLS	۲0۱
	SI5	8,100,13 EXTENDED AMOUNT; (RESURENIE) SPALLIQU	CIS	DOLLARS UNT PRICE COLL S	MIL. COI∵K	COL 3 ESTIMATE OF QUANTITY	ILEM NUMBER AND DESCRIPTION (*)	SECTION CONTRACT

4/3/2015 12:00 AM

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

**BID SCHEDNIE FORM** 

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

	XX	/,						e e i i i Anag
^	90	9 95 61\$	40° XX	7300	.Y.8	00.59	DECKING VO.Z.IDIC	01.1
	<del>                                      </del>	1 1				00 33	70.21DK	118
^	00 XX	07t\$	<b>√</b> X	084			WATERBUG BAIT APPLICATIONS  Unit price bid shall not be less than: \$ 78.00	
					BLOCK	00.6	<b>GA 88.</b> Υ	<b>ZII</b>
	40	€9€\$	40 V	11\$			BAITING OF RODENT BAIT STATIONS Unit price bid shall not be less than: \$11.00	
ſ					EACH	00.65	DA 88.√	911
1	ao '	9E52\$	No.	7/5			00.ST \$ :nertr seel ed fon lisds bid eohq finU	
{					EVCH	33.00	A.88.T SODENT BAIT STATIONS	311
_	<u>∞0</u>	00545	XX	25.44			RODENT INFESTATION SURVEY AND MONITORING  Unit price bid shall not be less then: \$ 4,500.00	
,					T°8'	00.r	AA 88.7	<b>711</b>
_	\$	000°E\$	XX VO.	00094		·	DRILL AND GROUT REINFORCEMENT BARS	
			:	·	.a.ı	3.00	ARDO 73.7	113
	810	COL.16 EXTENDED AMOUNT (IN FIGURES) DOLLARS	1 (Sept. 40 (Sept. 40 (s.))	OOL 5 UNIT-PRICE UNIT-PRICE UNIT-PRICE	# 109s	OE GOVANILIA EZIMVIE ENGINEEKIZ COF 3	COL. 2	SEC! NO
	•							

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

\ \	dr.	209651\$	X 70	\$ 200	C.Y.	00.89	73.21AC ADDITIONAL CONCRETE Unit price bid shall not be less than: \$ 75.00	154
ŗ	90	000/	80 X	957 ¥	.Y.O	00.4	73.11AB  ADDITIONAL BRICK MASONRY  Unit price bid shall not be less than: \$75.00	123
<b>/</b>	VO:	58654	901 XX	£\$	.F	00.528	70.915W12 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 12-INCH IN DIAMETER AND LESS	122
ſ	40 ×X	065\$	XX XX	65\$	C.Y.	00.01	70.81CB Unit price bid shall not be less than: \$18.00	121
<i>/</i>	8 8	005/9/\$	40°	00/14	C.Y.	00.3r	<b>70.61RE</b>	150
<i>*</i>	XX	v996\$	40, XX	956\$	C.Y.	00.8	70.51EO EXCAVATION OF BOULDERS IN OPEN CUT Unit price bid shall not be less than: \$ 90.00	611
	CIS	COL. 6  EXTENDED AMOUNT (IN FIGURES)  DOLLARS	DESCRIPTION OF THE PERSON OF T	COL. 6 UNIT. PRICE (IN FICURES DOLLARS	nuit cor:≉	COLC3 ENGINEERS ESTIMATE OF QUANTITY	COL. 2001	REC NO

**BID SCHEDNTE FORM** 

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

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

### **BID SCHEDNIE FORM**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

	$\angle V$							e e e e e e
Γ	80	000,55	×0.	957\$	.A.J	00.0S	8.15 CA 4" CAST IRON PIPE, CLASS 50	130
۲	a o	027,8\$	XX OB	925	ריצי	00.114	8.02 B SPECIAL CARE EXCAVATION AND RESTORATION FOR CURB WORK	159
^	×X ×V	08645	XX 00.	01\$	S.F.	00.864	8.02 A SPECIAL CARE EXCAVATION AND RESTORATION FOR SIDEWALK WORK	128
^	0 >	02/\$	40 \ XX	01\$	LBS.	00.01	SA12.ET  BARS  ADDITIONAL STEEL REINFORCING BARS  Unit price bid shall not be less than: \$1.50	<b>721</b>
^	10	257\$	XXX		C.Y.	00.01	73.41AG ADDITIONAL SELECT GRANULAR BACKFILL Unit price bid shall not be less than: \$ 18.00	126
^	00	09/524	XX XX	58 \$	.Y.O	00.862	73.31AE0 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (ALL DEPTHS) Unit price bid shall not be less than: \$ 24.00	125
	SIO	DOFFYKS (IN EIGNBER) EXTENDED YWONNT COFFR	200 May 200 / Cov 600 / Cov	DOFFYBR (IN EIGHNES) NAULBRICE COFF	COL.A	OE GOVALLIA EXCINEERS COT 3	ELEM NUMBER and DESCRIPTION TO COLL 2.	ON DES.

MA 00:ST 210S/E/A

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

## **BID SCHEDNTE LOBW**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

•	., /5		12					
ſ ,	MAXIS	000 66\$	× 200	499,984	·\$'7	00.1	<b>GI-РLZ009Q</b> ВІОІИFІLТАЯТІЛА АЯБА	132
^	8/8	如此本	00) W	42,800	E <b>P</b> CH	00.Z	9:99 FLAЗНІИG АЯВОМ ВОАRD	<b>181</b>
Γ	<u> </u>	0954\$	40 XX	NS4\$	E <b>V</b> CH	00.1	<b>8-52 PT-8</b> PAVING TRAY (AREA TOTEM)	133
$\int$	8/Q	\$2.820	90 XX	450	'S87	00.141	STEEL FOUNDATION PLATE	135
$\wedge$	140 100	47£5\$	40°	\$30	.Ŧ. <i>8</i>	00.261	8.22 D ТЯ МЕМВЯАИЕ WATERPROOFING	151
	SIO	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	<b>S</b> LO:	COLLARS  DOLLARS  THE FIGURES	1 100 1 100	COL. \$ COL. \$	COL 2	ON DES

4/3/2015 12:00 AM

# DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

### **BID SCHEDNTE LOBW**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

	<del>\\\</del>		·					
٨	00	\$ 20,000	<u></u> ≪× <b>⋄</b> 0,	\$20,000	EACH	00.r	PK-162 A  DOUBLE CHECK VALVE & WATER METER WITH REMOTE &  STRUCTURE 1-1/2" DIA.	140
<u></u>	40	0.5£\$	×X	954 \$	EACH	00.1	PK-14C CURB GATE VALVE, 1-1/2" DIAMETER	136
<i></i>	XX	57011\$	<u>40</u>	S22\$	.F.J	00.64	PK-13E  TYPE K COPPER TUBING, 1-1/2" DIAMETER	138
<u></u>	N. N.	400,84	AXX	\$\$,000	ЕУСН	00.1	<b>РК-12С</b> WATER ТАР, 1-1/2" DIAMETER	137
~							PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 9,574.00	
	00	<b>⊅</b> ∠9'6		<b>⊅</b> ∠9'6	E.S.	00.1	416-WH	136
		DOFFARS (IN FIGURES) (COFF 6)	CIS	BOITHER (IN LICHER INNLISSICE GOFTE	OOF'V	OF ORPHILLS ESTIMATE FROMEERS COLT 9	COLL2	SEC NO. ≪COF 1

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

## **BID SCHEDNTE LOBW**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

.67							
. 40 XX	100465	× (%)	43,000	EVCH	00.1	SL-20.02.10 FURNISH AND INSTALL STANDARD TYPE ANCHOR BOLT FOUNDATION AS PER DWG J-5253 FOR INSTALLING TYPE "BC", "M", LYRE AND "5TH AVENUE", "GCPW", LAMPPOST.	142
9 B	, ot 5\$	30°	40967\$	ЕРСН	2.00	FO.FO.O1.O1 FURNISH AND INSTALL FOUNDATION FOR TYPE "B" OR "B12" POST WITH INTERNAL FLANGE, AS PER DRAWING E-3884	<b>144</b>
Ac XX	009/94	×0.	\$6,000	ЕУСН	00.1	∨ РК-482В ВЕІИЗТАГГІИG ЕХІЗТІИG Р∟РФ∪ЕS	143
0 X	. 0008/\$	×0.	418,000	EVCH	00.f	<b>РК-186</b> РК-186	742
XX	44,00	XX 00,	00/44	EVCH	00.1	PK-17 CAST IRON VALVE BOX, 5-1/4" DIAMETER	1 <b>7</b> 1
SLO	DOFTYBS (IN EIGHBES) EXTENDED AMOUNT COL. 6	CIG	DOFFYBE (IN LIGNBER) NNU BBICE COFF 2	<b>У</b> 700	COL.3  ESTIMATE  COL.3	IJEW NOWBER and DESCRIPTION  GOL. 2	ZEO NO

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

## **BID SCHEDNTE LOBW**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

-	40.	0056/\$	<b>%</b> <	1005/15	EVCH	00.1	SL-21.09.06 SEMOVE ORNAMENTAL LAMPPOST (TYPE "BC", "M", "F", "5TH AVENUE", "LYRE" GRAND CENTRAL) ON FOUNDATION, WITH ALL ATTACHMENTS, IF ANY. REMOVE PORTION OF FOUNDATION.	120
	X/9	2692	40° ×X		ЕРСН	00.1	SL-21.04.16 FURNISH AND INSTALL TYPE "M" TWIN ARM LAMPPOST WITH RECEPTACLE, AS PER DRAWING H-5260	6 <b>†</b> l
· ·	X B	467900	40: \X	95484	E <b>V</b> CH	2.00	SL-21.01.07 SL-21.01.07 FURNISH AND INSTALL TYPE "B" LAMPPOST WITH INTERNAL FLANGE	148
	00	\$2,800	40	.0049\$	Е∀СН	2.00	SL-20.08.02 REMOVE FOUNDATION OTHER THAN STANDARD TYPE.	<b>L</b> ÞI
	90.	008-75	40	306°7\$	EVCH	2.00	SL-20.02.12 FURNISH AND INSTALL STANDARD TYPE ANCHOR BOLT FOUNDATION FOR TYPE "BC", "M", LYRE AND "5TH AVENUE" LAMPPOST WITH GROUND ROD, AS PER DRAWINGS J-5253 AND H-5019.	971
	SIS.	DOLLARS (IN HOUSES) EXTENDED AMOUNT (COL. 8)	CIE	COD. 2 SHATTHICE SHATTHICE COL. 5	2005. A	GLONWILLK ESTIMATE ENGINEERS COLS	COL. 2	SEO' NO

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

CONTRACT PIN: 8502015HW0030C DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN PROJECT ID: HWPLZ0090

## **BID SCHEDNTE LOBW**

	t	L_	1.1					****
·	0 X	909\$	<u>√X</u>	4300	EACH	00.S	<b>SL-31.01.02</b> PAINT A PARK OR PEDESTRIAN TYPE LAMPPOST (TYPE "B", "BB", "E", "WF", ETC.)	122
	20	0098\$	X)8	41200	EACH	00.5	FO.F0.92-JS  SL-29.01.01  FURNISH, INSTALL, MAINTAIN AND REMOVE EQUIPMENT FOR TEMPORARY LIGHTING (PYLON), AS PER DRAWINGS F-5005 AND F-5005A	124
	00	009684	8 12	008/4	ЕУСН	2.00	SL-22.15.03 FURNISH AND INSTALL 75 WATT LED "RIVERSIDE PARK" TYPE LUMINAIRE	153
<i>(</i>	00 XX	00561\$	*X	005\$	EVCH	00.E	SL-22.09.05 REMOVE LUMINAIRE WITH FITTING, IF ANY. FURNISH AND INSTALL NEW FITTING FOR INSTALLATION OF NEW LUMINAIRE ON ORNAMENTAL LAMPPOST (TYPE "BC", "M", "F" AND "LYRE").	162 
<u>^</u>	OD.	al st	XX JO	0061\$	EVCH	00.8	61.30.22-JS  POROI SAET" EPYT CED TTAW 051 MUMIXAM JATZEN DAYPE"  PARINALIAN  PARINALIAN	121
	SIO	DOFTARS (IN EIGURES) EXTENDED AMOUNT COL. 6	CIS	DOFTYBS (IN FIGURES) UNIT PRICE COL 5	ONIL COL'4	COL, 3 ENGINEER'S ESTIMATE OF QUANTITY	LEM NUMBER and DESCRIPTION  COL. 2	SEO* NO

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

**BID SCHEDNTE LOBW** 

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

٢	XX 0	2058\$	800	005'64	E <b>V</b> CH	00.r	E.1-T NOITAUNUOF "22-SM" F9YT JJAT2NI	191
`	40 X	00055	\$\\ \\$\	v00"5\$	EACH	00.1	<b>OS. F-T</b> REMOVE TYPE "M" SERIES FOUNDATION	160
۲	ao XX	49575	00 XX	574	.F.J	00.001	SL-35.01.03 FURNISH AND INSTALL 1-1/2" HOT DIPPED GALVANIZED STEEL CONDUIT IN PAVED AREA.	126
ſ	XX	005\$	X)&	5\$	. <del>1</del> 1	00.001	SL-33.03.01 FURNISH AND INSTALL #6 BARE COPPER CONDUCTOR IN CONDUIT OR OVERHEAD.	128
<i>_</i>	4 × 0	005\$	XX 8	5\$	.F.J	00.001	SL-33.01.02 FURNISH AND INSTALL NO. 6 AWG XLP COPPER CABLE OR EQUAL IN CONDUIT	157
^	××	00914	×××	004\$	ЕУСН	00.4	SL-31.01.05 PAINT A STREET TYPE ORNAMENTAL POST (TYPE "BC", "M", "F", "G", ETC.) WITH TWO COATS OF PAINT.	126
ALEXANDER PROPERTY OF THE PROP	<u>S1</u> 2	BOLLARS (IN FIGURES) EXTENDED AMOUNT COLL 6	<i>i ii (</i>	MOFFES TINEGREES ONL BRICE COFFS	COLA	OF COVATELLY ENGINEERS GOT 3	COL. 2	REC NO.

## NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

BID SCHEDNTE FORM DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

	43°	<b>3</b> 5\$	10 XX	,062\$	EVCH	2.00	<b>3.E-T</b> TSO9 BYYT YNA NO JANDIS NAIRTEBER JJATENI	<b>491</b>
	2 XX	25th \$	8/8	500\$	EVCH	2.00	F.E-T I OUE-WAY" SIGNAL UNIT ON MAST ARM OR TOP OF TEOP OST TEOP OST	991
<u></u>	<u> </u>	091\$	\$\\ \\\	345	EVCH	00.4	T-20220 •) FURNISH 1-114" ANCHOR BOLT ASSEMBLIES FOR M-2 (EACH) (4 REQUIRED PER POST)	 1e2
ſ	XX XX	025/64	%×××	. W5 E \$	EVCH	00.1	T-20160 FURNISH 20 FOOT SIGNAL MAST ARM POLE ASSEMBLY TYPE "M-2"	1 <del>04</del>
$\int$	×V	06014	<b>20</b> 次	.0609\$	EVCH	00.1	<b>4.2-T</b> ISO9 "S-M" FYPE "M-2" POST	163
$\wedge$	00 x	006\$	×20	00%	EACH	00.1	T-2.24 REMOVE TYPE "M" SERIES POST	162
	CIS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CLS	COL. 5 UNIT PRICE (IN FIGURES)	¥71©3( TIND	OF QUANTITY ESTIMATE COL.3	LEW NUMBER and DESCRIPTION	ON DES

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

### **BID SCHEDNTE LOBW**

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<b>C</b>	0Q /	009 75	20 X	59\$	.3.1	00.04	Т-5.2 FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN PAVED РОАВИРУ	EZI
	XX aQ	009\$	40 XX	4300	E <b>V</b> CH	2.00	T-33000L FURNISH POLYCARBONATE INCANDESCENT PED SIGNAL WILED LENS	2/1
	VQ.	0264	<b>√</b> X <b>⊙</b> 0,	004\$	EACH	00.1	F31351 9) "VB-3P" ASSEMBLY 'S EQUAL TO ONE PAIR	141
	NO.	Ste	XX	512.5	EACH	00.1	T-31215 b) "2M5" (d	0۲۱
	XX	58\$	\$0°	58\$	Е∀СН	00.1	V 1210 T. PSSEMBLY IS EQUAL TO ONE PAIR	169
^	00 XX	008\$	90. XX	004\$	ЕРСН	00.S	T-30013L FURNISH ADJST 3 SCTN 1-WAY TRAFFIC SIGNAL, 8" - WILED LENS	891
	\$10 a	DOFFYBE (IN LIGHTES) EXLENDED FWORNS COF' 8	CIS	PHICE SHATINU SERVES SHALIOU	50 NALE \$6	OF GUANTITIA ESTIMATE ENGINEERS COF 3,	LIEM NUMBER and DESCRIPTION	SECTION COFT

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

NEW YORK CITY DEPARTMENT OF DESIGN

**BID SCHEDNTE FORM** 

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

		·					
	You.	4900	XX 74	.F.J	00.00£	<b>0-60040</b> э.พ.д рт ,14 А.W.G.	
<u> </u>	12	008\$	X 709	.a.J	00.004	<b>Т-60000В</b> FURMISH 2 с # 10B (SEE SPEC) (BREAKDOWN = 2#10 WITH 3RD WIRE FOR GROUNDING).	871
	*X	45400	×0,9\$	.a.J	00.004	T-6.2 INSTALL MULTIPLE CABLE (INCLUDES OVERHEAD)	 <u>/// //</u>
<i>/</i> ^	XX XX	0029\$	XV. 24	.F.J	00.004	<b>1-6.10</b> вемоче савсе (іиссирез очевнеар)	1
<i>~</i>	40 ×	\$500	\$ 07\$	.a.J	00.3	<b>Г.Б.Т</b> FURNISH AND INSTALL ADDITIONAL 2" RIGID UNDERGROUND CONDUIT	9/1
~	40	2084	XX 02\$	.F.J	00.04	Т- <b>5.32</b> RESTORING РЕRMANENT ROADWAY (INCLUDING SAWCUT)	<b>7</b> /L
	sio :	GOL, 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	DOFTYBS CLS (IN FIGURES)  COL S	P (COL 4	COL 3 COL 3	ITEM NUMBER and DESCRIPTION  COL. 2"	SECTION SECTION

# DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

## **BID SCHEDNIE FORM**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ009Q

<u></u>	ANY	90/9	×× ××	20/14			GAS MAIN CROSSING SEWER UP TO 24" IN DIAMETER (56.01) Unit price bid shall not be less than: \$ 1,040.00	
					EACH	٥٥.٢	1.10.8-JTU	185
<u></u>	× X X	305\$	××	905\$			FURNISH CONCRETE PYLON	
				,	EACH	00.1	00018-T	181
	XX	95/5	80 XX	0544			REMOVE CONCRETE PYLON	
					EACH	٥٥.٢	e.8-T	£81
f	XX	0001\$	XX X0	1000/			INSTALL CONCRETE PYLON	
				14	HOVE	00.1	8.8-T	182
*	XX	25 000	80° XX	.00062\$			REMOVE (1812) HAND BOX OR PULL BOX IN PAVED SIDEWALK	
					EACH	00.1	1-7.50	181
/	40 ·	005/14	××.	2,5				
	•				.F.J	200.00	E (9) 13 CONDUCTOR, 14 A.W.G.	180
	SIO	SEVE TOO	SIO	SELVE 1000	ТМО	YITITMAUD TO	TIEM NUMBER and DESCRIPTION	SEQ. NO
		COL. 6 EXTENDED AMOUNT (JU FIGURES)		(IN EIGNEE) ONL BEICE COLS	†' †'703'.	KEZIJWATE ENGINEEH.S COL'3	cor. <b>s</b>	COFI

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

## **BID SCHEDNTE LOBW**

CONTRACT PIN: 8502015HW0030C

PROJECT ID: HWPLZ0090

sro.	COL'6  EXTENDED AMOUNT (IN FIGURES)  COL'6	SLO	DOFTYBE (IN LIGHBER) NNIL BRIGE COT 2	≱ JO3 MIU	COL'3 ESTIMATE ESTIMATE OF QUANTITY	COL. 2 TEM NUMBER and DESCRIPTION	TE©O EG NO
				E <b>V</b> CH	3.00	UTL-6.01.9 GAS MAIN CROSSING WATER MAIN UP TO 20" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$ 485.00	981
XX	0056\$	40° XX	00/ 1				
",	0 017	V V	<b>/</b>	.F.J	00.008	UTL-6.03 REMOVAL OF ABANDONED GAS FACILITIES. ALL SIZES. (S6.03)	<b>781</b>
XX	108-214	202	21\$			Unit price bid shall not be less than: \$ 15.00	
	i 			L.F.	300.00	1.E0.03.1	188
00	\$ 1880°	98) XX	424			REMOVAL OF ABANDONED GAS FACILITIES WITH POSSIBLE COAL TAR WRAP. ALL SIZES. (S6.03)  Unit price bid shall not be less than: \$ 25.00	
<b>X</b> /	·		•	EACH	90.3	0.1L-6.04	681
40 XX	\$200	80 4X	04\$			ADJUST HARDWARE TO GRADE USING SPACER RINGS/ADAPTORS. (STREET REPAVING.) (S6.04)  Unit price bid shall not be less than: \$35.00	
				EACH	2.00	UTL-6.05 BY RESETTING. (ROAD	061
90	258\$	90.	9E\$			RECONSTRUCTION.) (56.05) Unit price bid shall not be less than: \$ 65.00	
,		40.	V0Z\$	C.Y.	200.00	UTL-6.06 SPECIAL CARE EXCAVATION AND BACKFILLING (56.06)	161
XX	000'045	SX SX	-  -			Unit price bid shall not be less than: \$ 180.00	

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

CONTRACT PIN: 8502015HW0030C PROJECT ID: HWPLZ009Q

## **BID SCHEDNTE LOBW**

<b>1</b> 61	A 65.3	00.t	'S'7				· =	
•				JATOT-8US	<b>-</b> \$:	2964	BE -	5.6
193	UTL-GCS-2WS  GAS INTERFERENCES AND ACCOMMODATIONS  PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 15,000.00	00.1	F.S.	15,000	00		12,000	00
192	UTL-6.07 TEST PITS FOR GAS FACILITIES (S6.07) Unit price bid shall not be less than: \$ 100.00	00.01	.Y.O	05z\$	× 20	£2\$	a <u>9</u> 5	VO ?
RED NO.	HEMINOMBER 414 DESCRIBLION	OF GUANTITY ESTIMATE ENGINEERS COL. 1	4100: 1-108	SETERICES (NEEDINGESS) SEDECEMENT COORD		SIENIE)	end Bamoudi Saliu Saa	<u>\$1</u> 9-

XX S6+78+ \$			BID PRICE OF MOBILIZATION SHALL NOT EXCEED 4% OF THE ABOVE SUB-TOTAL PRICE.	
98:		,	NOITAZIJIBOM	:
	ר'פי	00.r	A 65.9	<del>1</del> 61

THE BID FORM ON PAGE C-4 OF THIS BID BOOKLET. PLEASE BE SURE A LEGIBLE BID IS ENTERED FOR EACH ITEM.

THE BIDDER SHALL INSERT THE TOTAL BID PRICE IN (NO TEXT ON THIS PAGE)

#### BID BOND 1 FORM OF BID BOND

KNOW ALL MEN BY THESE PRESENTS. That we, NY Asphalt, Inc.
366 Industrial Loop
Staten Island, NY 10309
hereinafter referred to as the "Principal", and Philadelphia Indemnity Insurance Company One Bala Plaza, Suite 100 Bala Cynwyd, PA 19004
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 (10%) of Amount Bid
(\$_XXXX), 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 <a href="Project ID: HWPLZ009Q">Project ID: HWPLZ009Q</a>
PIN: 8502015HW0030C; Reconstruction of 71st Avenue Plaza (Between Myrtle Avenue and
71st Avenue)
NOW, THEREFORE, the conditions of this obligation are such that if the Principal shall not

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 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 a 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 30th 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.

(Seal)

(Seal)

NY Asphalt, Inc. (L.S.)
Principal

By:

Philadelphia Indemnity Insurance Company

Michael Culnen, Attorney-In-Fact

Surety

### BID BOND 3

that he is the the corporation; that of	day of JULY, AEL THOMPSON to n  TBRETWOOD  PRESIDENT  escribed in and which execute one of the seals affixed to satisfactory and corporation, and that he seemed to the seals affixed to satisfactory  the corporation of the seals affixed to satisfactory  the corpora	OF PRINCIPAL, IF A CORPORATION  SS:  DELIGION D SS:  The known, who, being by me duly sworn, did depose and say of the control
firm of	County of day of to n	ss:, before me personally appeared ne known and known to me to be one of the members of thedescribed in and who executed the foregoing ne executed the same as and for the act and deed of said
		Notary Public
	ACKNOWLEDGMENT	OF PRINCIPAL, IF AN INDIVIDUAL
		ss:
	AFFIX ACKNOWLEDGME	Notary Public ENTS AND JUSTIFICATION OF SURETIES

MARIA GUADABHO
MOISIY Ratic - State of New Yes
HO, 61GUA137139
Qualitied in Retwinged County
My Convincion Explise

### SURETY ACKNOWLEDGEMENT

State of New Jersey

SS:

County of Morris

On this 6<sup>th</sup> day of July, 2015, before me personally comes Michael Culnen to me known, who, being by me duly sworn, deposes and says that he resides in the City of Far Hills, NJ that he is the Attorney-In-Fact of the Philadelphia Indemnity Insurance Company the Corporation described in and which executed the foregoing instrument; that he knows that seal of said corporation; that the seal affixed to the said instrument is such Corporate seal; that it was so affixed by the order of the Board of Directors of the said Corporation, and that he signed his name thereto by like order.

CATHY M KNOKE

NOTARY PUBLIC

STATE OF NEW JERSEY

ID # 5000008

MY COMMISSION EXPIRES FEB. 4, 2020

(Signature and Title of Official Taking Acknowledgement

CATHY M KNOKE
NOTARY PUBLIC
STATE OF NEW JERSEY
ID # 50009808
MY COMMISSION EXPIRES FEB. 4, 2020

#### PHILADELPHIA INDEMNITY INSURANCE COMPANY

231 St. Asaph's Rd., Suite 100 Bala Cynwyd, PA 19004-0950

#### **Power of Attorney**

KNOW ALL PERSONS BY THESE PRESENTS: That PHILADELPHIA INDEMNITY INSURANCE COMPANY (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint Michael Culnen of Construction Agency Professionals, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed \$25,000,000,00.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY at a meeting duly called the 1<sup>st</sup> day of July, 2011.

RESOLVED:

That the Board of Directors hereby authorizes the President or any Vice President of the Company to: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED:

That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and biding upon the Company in the future with the respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEALTO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS  $10^{TH}$  DAY OF JUNE 2013.



(Seal)

Romany

Robert D. O'Leary Jr., President & CEO Philadelphia Indemnity Insurance Company

On this 10<sup>th</sup> day of June 2013, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the PHILADELPHIA INDEMNITY INSURANCE COMPANY; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

COMMONWEALTH OF PENNSYLVANÍA
Notarial Seal
Kimberly A. Kessiesid, Notary Public
Lower Herion Typ. Nitargadauty County
My Commission Expires Dec. 18, 2016
HARDE SERVINIAN ASSENTATION OF INTERIOR

Notary Public:

residing at:

(Notary Seal)

My commission expires:

December 18, 2016

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do herby certify that the foregoing resolution of the Board of Directors and this Power of Attorney issued pursuant thereto on this 10<sup>TH</sup> day of June 2013 true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY,

Bala Cynwyd, PA

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 6th day of July , 2015.

1927 5 1927 S

Edward Sayago, Corporate Secretary

PHILADELPHIA INDEMNITY INSURANCE COMPANY

### PHILADELPHIA INDEMNITY INSURANCE COMPANY

## Statutory Statements of Admitted Assets, Liabilities and Capital and Surplus (in thousands, except par value and share amounts)

Admitted Assets		ember 31,
	2014	<u>2013</u>
Bonds (fair value \$6,153,215 and \$5,687,336)	\$ 5,869,602	\$ 5,603,006
Preferred stocks (fair value \$59,525 and \$-)	59,413	3,594
Common stocks (cost \$110,951 and \$3,594)	97,616	3,394
Mortgage loans	21,402	26,678
Other invested assets (cost \$156,141 and \$26,678)	154,549	20,078 2,441
Cash and short-term investments	45,054	5,635,719
Cash and invested assets	6,247,636	5,055,719
Premiums receivable, agents' balances and other receivables	673,590	626,337
Reinsurance receivable on paid losses	27,162	26,176
Accrued investment income	65,074	61,467
Receivable from affiliates	4,104	2,948
Net deferred tax asset	164,545	162,476
Federal income taxes receivable	-	10,909
Guaranty funds receivable	1 <u>06</u>	29
Total admitted assets	<u>\$ 7,182,217</u>	<u>\$ 6,526,061</u>
Liabilities and Capital and Surplus		
Liabilities:		
Net unpaid losses and loss adjustment expenses	\$ 3,169,910	\$ 2,895,803
Net unearned premiums	1,260,065	1,164,576
Reinsurance payable on paid loss and loss adjustment expenses	3,747	3,621
Ceded reinsurance premiums payable	63,104	63,156
Commissions payable, contingent commissions and other similar charges	226,034	204,448
Federal income taxes payable	13,990	-
Accrued expenses and other liabilities	50,060	31,505
Payable to affiliates	9,877	4,695
Provision for reinsurance	1,000	1,323
Payable for policyholders' dividends	221	220
Payable for purchased securities	46,833	
Total liabilities	4,844,841	4,369,347
Capital:		
Common stock, par value of \$10 per share; 1,000,000 shares		
authorized, 359,995 shares issued and outstanding	3,600	3,600
Surplus:		
Gross paid-in and contributed surplus	386,970	386,970
Unassigned surplus	<u>1.946,806</u>	<u>1,766,144</u>
Total surplus	<u>2,333,776</u>	2,153,114
Total capital and surplus	<u>2,337,376</u>	<u>2.156,714</u>
Total liabilities and capital and surplus	<u>\$ 7,182,217</u>	<u>\$ 6,526.061</u>

The undersigned, being duly sworn, says: That she is the Executive Vice President and Chief Financial Officer of Philadelphia Indemnity Insurance Company; that said Company is a corporation duly organized in the state of Pennsylvania, and licensed and engaged in the State of Pennsylvania and has duly complied with all the requirements of the laws of the said State applicable of the said Company and is duly qualified to act as Surety under such laws; that said Company has also complied with and is duly qualified to act as Surety under the Act of Congress. And that to the best of her knowledge and belief the above statement is a full, true and correct statement of

Attest:

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Kimberly A. Kessleski, Notary Public
Lower Merion Twp., Montgomery County
My Commission Expires Dec. 18, 2016

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Karen Gilmer-Pauciello, EVP & CFO

Sworn to before me this 8th day of June 2015.

Kimberly Kessleski, Notary

#### State of New York

### DEPARTMENT OF FINANCIAL SERVICES

#### WHEREAS IT APPEARS THAT

#### Philadelphia Indemnity Insurance Company

**Home Office Address** 

Bala Cynwyd, Pennsylvania

Organized under the Laws of

Pennsylvania

has complied with the necessary requirements of or pursuant to law, it is hereby

#### licensed to do within this State the business of

accident and health, fire; miscellaneous property, water damage, burglary and theft, glass, boiler and machinery, elevator, animal, collision, personal injury liability, property damage liability, workers' compensation and employers' liability, fidelity and surety, credit, motor vehicle and aircraft physical damage, marine and inland marine, marine protection and indemnity, residual value, legal services and gap insurance, as specified in paragraph(s) 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 29 and 26(A)(B)(C)(D) of Section 1113(a) of the New York Insurance Law and also such workers' compensation insurance as may be incident to coverages contemplated under paragraphs 20 and 21 of Section 1113(a), including insurances described in the Longshoremen's and Harbor Workers' Compensation Act (Public Law No. 803, 69 Cong. as amended; 33 USC Section 901 et seq. as amended) to the extent permitted by certified copy of its charter document on file in this Department until July 1, 2015.



In Witness Whereof, I have hereunto set my hand and affixed the official seal of this Department at the City of Albany, New York, this 1st day of July, 2014

Benjamin M. Lawsky Superintendent

By

Jacqueline Catalfamo

Jacqueline Catalfamo Special Deputy Superintendent

## CERTIFICATE OF SOLVENCY UNDER SECTION 1111 OF THE NEW YORK INSURANCE LAW

# STATE OF NEW YORK DEPARTMENT OF FINANCIAL SERVICES

It is hereby certified that

### PHILADELPHIA INDEMNITY INSURANCE COMPANY

Of Bala Cynwyd, Pennsylvania

a corporation organized under the laws of the State of Pennsylvania and duly authorized to transact the business of insurance in this State, is qualified to become surety or guarantor on all bonds, undertakings, recognizances, guaranties and other obligations required or permitted by law; and that the said corporation is possessed of a capital and surplus including gross paid-in and contributed surplus and unassigned funds (surplus) aggregating the sum of \$2,193,912,030 (Capital \$3,599,950) as is shown by its sworn financial statement for the First Quarter as of March 31, 2014, on file in this Department, prior to audit.

The said corporation cannot lawfully expose itself to loss on any one risk or hazard to an amount exceeding 10% of its surplus to policyholders, unless it shall be protected in excess of that amount in the manner provided in Section 4118 of the Insurance Law of this State.



In Witness Whereof, I have hereunto set my hand and affixed the official seal of this Department at the City of Albany, this 23rd day of June, 2014

Benjamin M. Lawsky Superintendent

Ву

Jacqueline Catalfamo Special Deputy Superintendent

www.dfs.ny.gov

Tax ID #: (13-41)	1-09-	13)	1
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APT E-	8	5015B0144
PIN#:		

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

Part I to be completed by contracting agency

Contract Overview		· · · · ·					
APT E- Pin #	85015B0144		FMS P	roject ID#:	HWPLZ009Q		
Project Title/ Agency PIN #	RECONSTRUCTION OF 71ST PLAZA / 8502014HW0030C						
Bid/Proposal Response Date	JULY 9, 2015						
Contracting Agency	Department of Design and Construction						
Agency Address	30-30 Thomson Ave.	City	Long Islan	d City Sta	ate NY Zip Code 11101		
Contact Person	Ann-Chevealle Brown		Title	MWBE Lia	ison & Compliance Analyst		
Telephone #	(718) 391-1175		Email	brownann@	Pddc.nyc.gov		

## DESIGN FOR COMPLEX PEDESTRIAN RAMPS ADJACENT TO HISTORIC AND/OR LANDMARK FACILITIES

INCLUDING SEWER, WATER MAIN, CURB AND SIDEWALK RECONSTRUCTION, PAVEMENT MARKINGS, AND STREET LIGHTING WORK

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

M/WBE Rarticipation Goals for Services

Project Description (attach additional pages if nece

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	
<u>Unspecified*</u>		<u> </u>
or	11%	
Black American	UNSPECIFIED*	
Hispanic American	UNSPECIFIED*	
Asian American	UNSPECIFIED*	
Women	UNSPECIFIED*	
otal Participation Goals	11%	Line 1

<sup>\*</sup>Note: For this procurement, individual ethnicity and gender goals are not specified. The Total Participation Goal for construction contracts may be met by using either Black-American, Hispanic-American, Asian American, or Women certified firms or any combination of such firms.

Tax ID #: (3-411-0973)

APT E- 85015 80144

### SCHEDULE B - Part II: M/WBE Participation Plan

Part II to be completed by the bidder/proposer.

Please note: For Non-M/WBE Prime Contractors who will NOT subcontract any services and will self-perform the entire contract, you must obtain a FULL waiver by completing the Waiver Application on pages 17 and 18 and timely submitting it to the contracting agency pursuant to the Notice to Prospective Contractors. Once a FULL WAIVER is bid or proposal.

Section I: Prime Contractor Contact In	formation				
Tax ID# (13-4/109)	73)		FMS Vendor ID#	i .	
Business Name	PHAIT To	<b>,</b>	Contact Person		000 0-001111
Address 366 Indus	grad Long	~~	TATEN TO ANT	' I	AX 10303 BY DOCCHIMA
Telephone # (7/8) 966 6	SALL Email		mhacehala	7	141 143 6
	195		Whore INVO	$\frac{\mathcal{C}}{\mathcal{C}}$	mysephent co
Section II: M/WBE Utilization Goal Calc	ulation: Check the a	nntic	cable how and complete		
PRIME CONTRACTOR ADOPTING A	GENCY M/WBE PA	\RT	CIPATION GOALS	subs	ection.
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 13)		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.	\$2.060.002	· KX	11%		\$ 224,497-19
PRIME CONTRACTOR OBTAINED PARTICIPATION GOALS	RTIAL WAIVER AP	PRO	OVAL: ADOPTING MC	DIF	ED M/WBE
For Prime Contractors (including Qualified Joint Ventures and M/WBE firms) adopting Modified M/WBE Participation Goals.	Total Bid/Proposal Value		Adjusted Participation Goal (From Partial Waiver)		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.	\$	x		_	\$ Line 3

Tax ID#: (13-411-0973)

I review the Notice to Prospective	Plan: How Proposer/Bidder Will Fulfill M/WBE Participation Goals. Please ve Contractors for more information on how to obtain credit for M/WBE e box. The Proposer or Bidder will fulfill the M/WBE Participation Goals:
contract the value of which is at least work subcontracted to non-M/WE Please check all that apply to Pri	ctor that will self-perform and/or subcontract to other M/WBE firms a portion of the east the amount located on Lines 2 or 3 above, as applicable. The value of any BE firms will not be credited towards fulfillment of M/WBE Participation Goals. me Contractor:
and/or the value of any work sub- above, as applicable. The value	with an M/WBE partner, in which the value of the M/WBE partner's participation contracted to other M/WBE firms is at least the amount located on Lines 2 or 3 of any work subcontracted to non M/WBE firms will not be credited towards n Goals.  Tractor that will enter into subcontracts with M/WBE firms the value of which is at
least the amount located on Line	s 2 or 3 above, as applicable.
Section IV: General Contract Info What is the expected percenta services, regardless of M/WBE	age of the total contract dollar value that you expect to award in subcontracts for
✓ Scopes of Subcontract Work	7. 8. 9. 10. 11. 12. 13. 14. 15.
	16.

Tax ID#: (13-411-0973)

### Section V: Vendor Certification and Required Affirmations

I hereby:

- 1) acknowledge my understanding of the M/WBE participation requirements as set forth herein 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 this 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.

Signature		Date	(07-09-2015)
Print Name	MR. MICHAEL THOMPSON	Title _	PRESIDENT.

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

Tax ID #		FMS	Vendor ID #
Business Name		_	
Contact Name	Telephone #		Email
Type of Procurement	☐ Competitive Sealed Bids	Other	Bid/Response Due Date
APT E-PIN # (for this procurement):		196	Contracting Agency:
%	on Goals as described in bid/s Agency M/WBE Participation Go		cuments
	icipation Goal as anticipated by		ng waiver
	AND STATE COMMENSATIONS CANADA	an ruseman	faith by the bidder/proposer to be subcontracted
	for services and/or credited to a	n M/WBE Prim	ne Contractor or Qualified Joint Venture.
Basis for Waiver Red	quest: Check appropriate box &	explain in de	etail below (attach additional pages if needed)
☐ Vendor does not suitself with its own emp		ne capacity a	nd good faith intention to perform all such work
capacity and good faith the vendor will self-per	n intention to do so on this cor form and subcontract to other	ntract. (Attact vendors or c	
capacity and good faith the vendor will self-per  Vendor has other le under separate cover.  References List 3 most recent contr	n intention to do so on this corr form and subcontract to other egitimate business reasons for eacts performed for NYC agencies	etract. (Attactive vendors or	ch subcontracting plan outlining services that
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(Complete ONLY if vendor has performed fewer than 3 New York City contracts.) **TYPE OF Contract DATE COMPLETED** Manager at entity that hired vendor (Name/Phone No./Email) **Total Contract Total Amount** Amount \$ Subcontracted \$ Type of Work Subcontracted **TYPE OF Contract** AGENCY/ENTITY DATE COMPLETED Manager at agency/entity that hired vendor (Name/Phone No./Email) **Total Contract Total Amount** Amount \$ Subcontracted \$ Item of Work Item of Work Subcontracted Item of Work Subcontracted and and Value of Subcontracted and Value of subcontract subcontract Value of subcontract **TYPE OF Contract** AGENCY/ENTITY DATE COMPLETED Manager at entity that hired vendor (Name/Phone No./Email) **Total Contract Total Amount** Amount \$ Subcontracted \$ Item of Work Item of Work Subcontracted Item of Work Subcontracted and and Value of Subcontracted and Value of subcontract subcontract Value of subcontract VENDOR CERTIFICATION: I hereby affirm that the information supplied in support of this waiver request is true and correct, and that this request is made in good faith. Signature: Date:\_\_\_\_\_ Print Name: Title: Shaded area below is for agency completion only NE BIOMOUISE CONTRACTING OF ECTION Biginal unanya erraellegeroedgesuistreelerigs Maiver Determination aall Walker Approved. ☐ VauverBerned: ∰ rtial Waiver Approved: [] Vised Participation Goal:

List 3 most recent contracts performed for other entities. Include information for each subcontract awarded in

performance of such contracts. Add more pages if necessary.

#### ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: HWPLZ0090

RECONSTRUCTION OF

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto

BOROUGH OF QUEENS CITY OF NEW YORK

ADDENDUM NO. 5

DATED: July 01, 2015

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS

- Refer to the Contract Drawing, SHEETS 03 of 44, 04 of 44, 05 of 44, 09 of 44 and 10 of 44;
  Delete SHEETS 03 of 44, 04 of 44, 05 of 44, 09 of 44 and 10 of 44, in their entirety;
  Substitute the attached revised SHEETS 03R of 44, 04R of 44, 05R of 44, 09R of 44R and 10R of 44.
- 2. Refer to the Contract Drawing;

  Insert new DRAWING, STRUCTURAL DETAILS 3, as contained on attached SHEET 10A of 44.

#### **END OF ADDENDUM NO. 5**

By signing in the space provided below, the bidder acknowledges receipt of this Addendum consisting of one (1) page and six (6) sheets of drawings.

THIS ADDENDUM MUST BE SIGNED BY ALL BIDDERS AND ATTACHED TO THEIR BID

GURDIP SAINI, P.E.

Associate Commissioner

ame of Bidder

By: Deborated Das

A5-1

### **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">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.

(NO TEXT ON THIS PAGE)

### **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: HWPLZ009Q

**RECONSTRUCTION OF** 

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

**Together With All Work Incidental Thereto** 

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

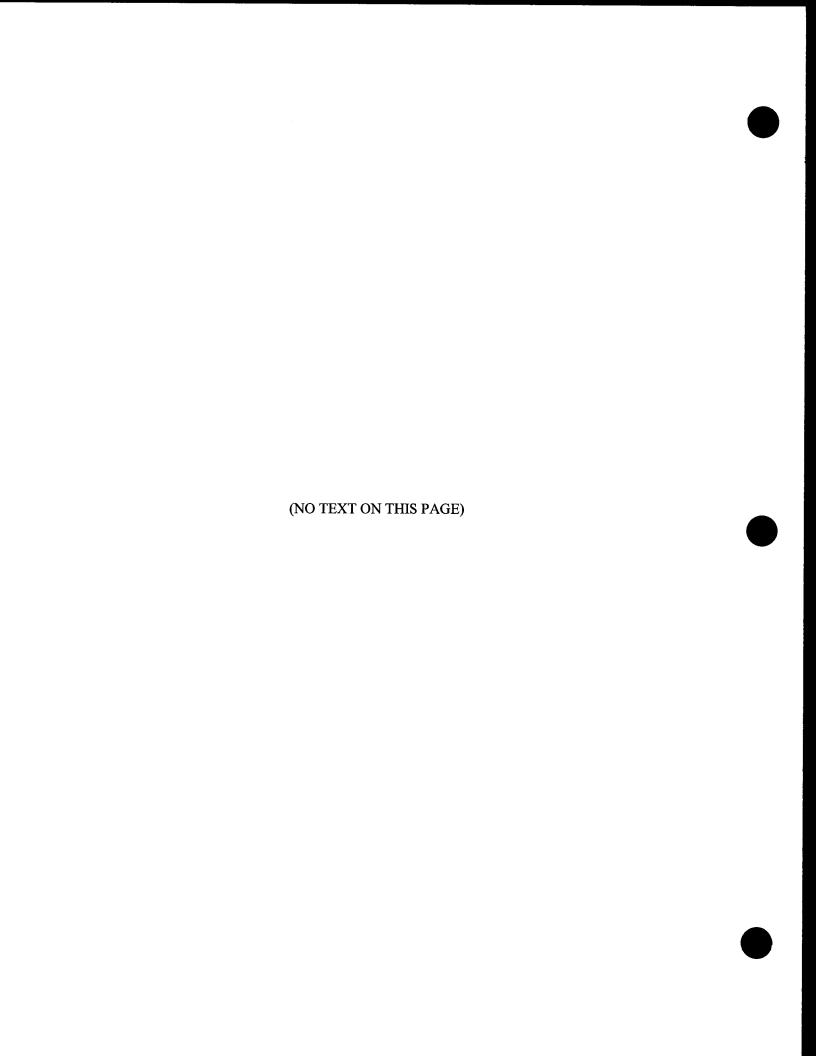
### PROJECT ID: HWPLZ009Q

### 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, 3a, 3b, and 4 of this Bid Booklet.

### **SPECIAL NOTICE TO BIDDERS**

### **SPECIAL EXPERIENCE REQUIREMENTS (Revised 03/2014)**

(A) <u>SPECIAL EXPERIENCE REQUIREMENTS FOR THE BIDDER:</u> The Special Experience Requirements set forth below apply to the bidder. Compliance with such Special Experience Requirements will be determined solely by the City prior to an award of contract. Failure to comply with the Special Experience Requirements will result in rejection of the bid as non-responsive.

The requirements in this Section (A) apply to this contract where indicated by a blackened box (m).

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 Special Experience Requirements next to the blackened box below apply to the bidder. 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 or sub-subcontractor must demonstrate compliance with the Special Experience Requirements. The contractor, subcontractor or sub-subcontractor (hereinafter referred to as the "entity") that will perform any specific area of work indicated by the blackened box below, may have performed the required prior project(s) as a prime contractor, subcontractor or sub-subcontractor. Once approved, no substitution will be permitted, unless the qualifications of the proposed replacement have been approved in writing in advance by the City.

last	nk Water Main Work: The entity that will perform the trunk water main work must, within the seven (7) consecutive years prior to the bid opening, have successfully completed in a timely on at least one (1) project similar in scope and type to the required work.
the I	Management Practice Work: Best Management Practice ("BMP") Work is any item of work in Bid Schedule that begins with the prefix "BMP". The entity that will perform any BMP Work, within the last five (5) consecutive years prior to the bid opening, have successfully completed in the last three (3) projects similar in scope and type to the required work.
indiv to th	professional services in connection with BMP Work, (i.e., monitoring and reporting services), the ridual who will perform the required services must, within the last five (5) consecutive years prior e bid opening, have successfully completed in a timely fashion at least three (3) projects similar in e and type to the required work. Additional requirements are set forth below.
	The individual serving as the Restoration Specialist (Construction Monitor) must be a Registered Landscape Architect licensed by the state of New York, or must have equivalent professional experience.
	The individual serving as the Erosion and Sediment Control Licensed/Certified Professional must be a Certified Professional in Erosion and Sediment Control (CPESC), certified by CPESC, Inc.
work	ro-Tunneling/Pipe Jacking Work: The entity that will perform the micro-tunneling/pipe jacking must, within the last five (5) consecutive years prior to the bid opening, have successfully pleted in a timely fashion at least two (2) projects similar in scope and type to the required work.
OTT	IER:

### (B) <u>SPECIAL EXPERIENCE REQUIREMENTS FOR SPECIFIC AREAS OF WORK (to be provided after an award of contract):</u>

The requirements in this Section (B) apply to this contract where indicated by a blackened box (18).

The Special Experience Requirements set forth below apply to the contractor, subcontractor or subsubcontractor that will perform the specific area of work. Compliance with such Special Experience Requirements will be determined solely by the City after an award of contract. After an award of contract, when requested by the City, the contractor will be required to submit the qualifications of the contractor, subcontractor or sub-subcontractor that will perform the specific area of work. 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 or sub-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.

Special Experience Requirements apply to the contractor, subcontractor or sub-subcontractor (hereinafter referred to as the "entity") that will perform any specific area of work indicated by a blackened box. The entity may have performed the required prior project(s) as a prime contractor, subcontractor or subsubcontractor.

<b>Hazmat Work:</b> Hazmat Work is any item of work in the Bid Schedule that begins with the prefix 8.01. The entity that will perform any Hazmat Work must, within the last three (3) consecutive years prior to the bid opening, have successfully completed in a timely fashion at least five (5) projects similar in scope and type to the required work.
Pile, CFA Pile, and/or Mini-Pile Work: The entity that will perform the Pile, CFA Pile and/or Mini-Pile Work must, within the last three (3) consecutive years prior to the bid opening, have successfully completed in a timely fashion at least two (2) projects similar in scope and type to the required work.
For professional services in connection with Pile Work, (i.e., engineering and inspection services), the individual who will perform the required services must be a Professional Engineer licensed by the state of New York. Such individual must also comply with the above requirements for prior projects.
Construction Report, Monitoring And Post-Construction Report, and Continuous Real-Time Monitoring For Vibrations And Movements And Post-Construction Report Work: The entity that will perform the Construction Report, Monitoring For Vibrations And Movements, and Post-Construction Report Work must, within the last three (3) consecutive years prior to the bid opening, have successfully completed in a timely fashion at least two (2) projects similar in scope and type to the required work.
For professional services in connection with Reporting and Monitoring Work, (i.e., engineering and inspection services), the individual who will perform the required services must be a Professional Engineer licensed by the state of New York. Such individual must also comply with the above requirements for prior projects.
OTHER:

- (C) <u>SPECIFICATIONS</u>: In the event of any conflict, omission or inconsistency between (1) the Specifications and/or Contract Drawings, and (2) the Special Experience Requirements in Section (B) of the Special Notice To Bidders, the special experience listed in the Specifications and/or Contract Drawings shall be controlling. The Special Experience Requirements in Section (B) of this Special Notice To Bidders are only for the convenience of the bidders.
- (D) <u>SUBMISSION REQUIREMENTS</u>: For each project submitted to demonstrate compliance with the Special Experience Requirements, the bidder must complete and submit the Qualification Form included in the Bid Booklet. The City will only evaluate a project if the following criteria are met: (1) the project is described on the Qualification Form, and (2) all information on the Qualification Form is provided. The City will not evaluate any project which does not comply with the criteria set forth herein, including any project which is referred to only on the resume of an individual.

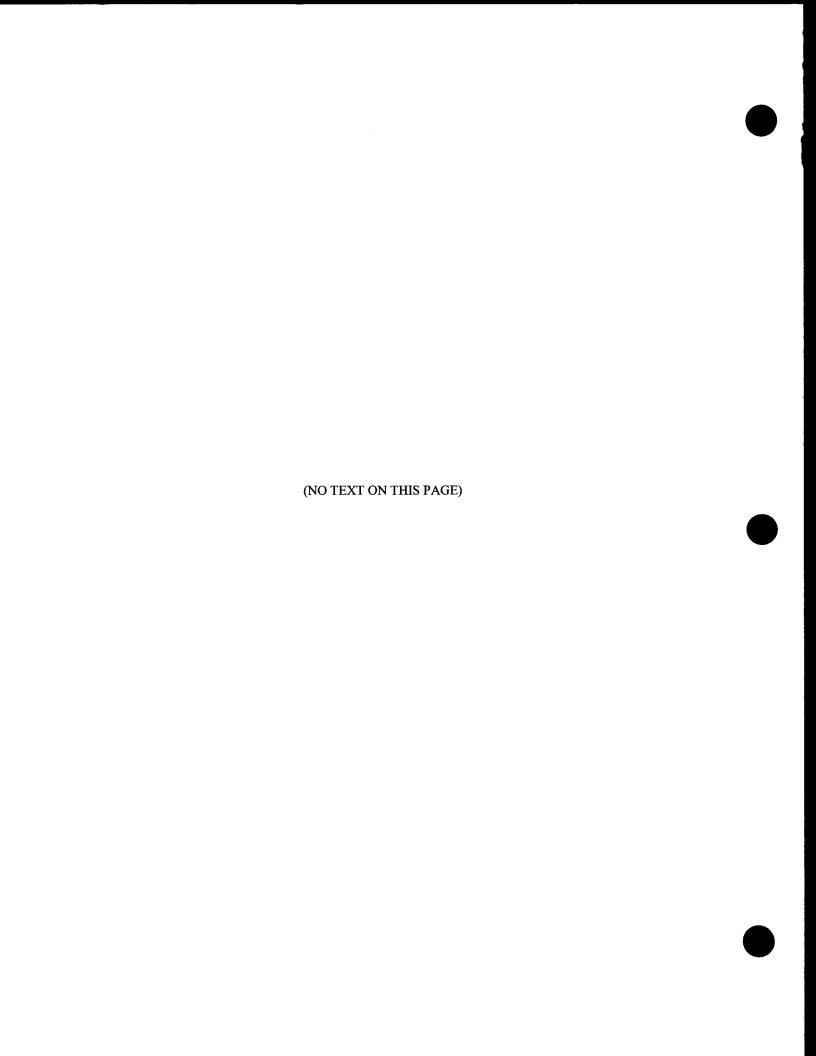
If Special Experience Requirements are indicated for any specific area of work, the submission requirement set forth above shall apply to the entity that will perform the specific area of work.

- (E) <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.
  - 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 (6) months or more from the inception of the bidding entity.
  - 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.
- (F) <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.

### **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: HWPLZ009Q PIN: 8502015HW0030C

### Description and Location of Work:

### RECONSTRUCTION OF

### 71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

### INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto

BOROUGH OF QUEENS CITY OF NEW YORK

		CITT OF INE	WIORK		
Documents Available	<u>At</u> :	30-30 Thomson Aven First Floor Bid Procur Long Island City, New 8:30 A.M. to 4:00 P.M.	ement Room York 11101	ough Friday	
Submission of Bids To	<b>:</b>	30-30 Thomson Avenue First Floor Bid Procur Long Island City, New Before 11:00 A.M. on	ement Room York 11101	015	
Bid Opening:		30-30 Thomson Avenu First Floor Bid Procure Long Island City, New	ement Room		
		Time and Date: 11:00	A.M. on <u></u> π	JLY 9, 2015	_
Pre-Bid Conference:		Yes If Yes, Mandatory Time and Date: Location:		No Optional:	X
Bid Security:	security	curity is required in the ay is not required if the T n \$ 1,000,000.00.	amount set forth OTAL BID PRICE	below; provided CE set forth on th	however, bid the Bid Form is
	(1) (2)	Bond in an amount not forth on the Bid Form, Certified Check in an a PRICE set forth on the	OR mount not less the		
Performance and Payme Performance Security ar Price,	ent Secur nd Paym	rity: Required for cont ent Security shall each l	racts in the amore	unt of \$1,000,000 equal to 100% of	or more. the Contract
Agency Contact Person:		Lorraine Holley Phone: 718-391-2601	FAX: 7	718-391-2615	

(NO TEXT ON THIS PAGE)

### BID SCHEDULE

### NOTICE TO BIDDERS

Items listed in this Bid Schedule which have one (1) digit followed by a decimal (e.g. 4.02 CB), shall comply with the requirements of the corresponding numerical Sections of the NYCDOT Standard Highway Specifications, dated November 1, 2010, as amended by Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule which have two (2) digits beginning with the numbers "5", "6" and "7" followed by a decimal (e.g. 52.11D12, 60.12D06, and 70.21DK) shall comply with the requirements of the New York City Department of Environmental Protection (NYCDEP) STANDARD SEWER AND WATER MAIN SPECIFICATIONS dated July 1, 2014, as amended by Addendum No. 2, herein Volume 3 of 3.

Item Nos. "GI-PLZ009Q" and "HW-914" listed in this Bid Schedule shall comply with the requirements of the corresponding alphanumeric Sections incorporated in Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule with the prefix "PK-" (e.g. PK-12C) are modified version of NYCDPR Items and shall comply with the requirements of the corresponding alphanumeric Sections incorporated in Addendum No. 1, herein Volume 3 of 3.

Items listed in this Bid Schedule beginning with the prefix "SL-" (e.g. SL-20.09.06) are Street Lighting Items, less the prefix, which shall be done in accordance with the requirements of Subsection 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications.

Items listed in this Bid Schedule beginning with the prefix "T-" (e.g. T-1.20) are Traffic Items, less the prefix, which shall be done in accordance with the requirements of Subsection 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications.

Items listed in this Bid Schedule beginning with the prefix "UTL-" (e.g. UTL-6.01.9) are Gas Cost Sharing (EP-7) Items which shall be done in accordance with the requirements of the corresponding numeric Sections incorporated in Addendum No. 3, herein Volume 3 of 3.

(NO TEXT ON THIS PAGE)



CONTRACT PIN: 8502015HW0030C PROJECT ID: HWPLZ009Q

### BID SCHEDULE

- proportionate share of the Bidder's anticipated profit, overhead costs, and other indirect costs, anticipated NOTE: (1) The Agency may reject a bid if it contains unbalanced bid prices. An unbalanced bid is considered to be one containing lump sum or unit items which do not reflect reasonable actual costs plus a reasonable for the performance of the items in question.
- (2) The following bid prices on Unit Price Contracts are to be paid for the actual quantities of the item numbers appliances of every description necessary to complete the entire work, as specified, and the removal of all in the completed work or structure, and they cover the cost of all work, labor, material, tools, plant and debris, temporary work and appliances.
- (3) PLEASE BE SURE A LEGIBLE BID IS ENTERED, IN INK, FOR EACH ITEM. Alterations must be initialed in ink by the bidder.
- (4) The Extended Amount entered in Column 6 shall be the product of the Estimated Quantity in Column 3 limes the Unit Price Bid in Column 5.
- Commissioner, in writing, if any pages are missing, and must request that such missing pages be furnished (5) Prospective bidders must examine the Bid Schedule carefully and, before bidding, must advise the them. The pages of this Bid Schedule are numbered consecutively, as follows: B - 3 Through B - 37

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.

4/3/2015 12:00 AM

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

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

GOL.5 COL.6 UNIT PRICE EXTENDED AMOUNT: (IN FIGURES) (IN FIGURES) DOLLARS (CTS DOLLARS CTS						
COL.3 COL.4 UNI COL.4 UNIT DOL	131.00 S.Y.	988.00 S.Y.	113.00 TONS	29.00 C.Y.	39.00 C.Y.	69.00 C.Y.
	2" THICK	з" ТНІСК		E THICKNESS FOR	(HIGH-EARLY	CRETE PAVEMENT (BUS
COL. 2 TEM NUMBER and DESCRIPTION	<b>4.02 AF-R</b> ASPHALTIC CONCRETE WEARING COURSE, 2" THICK	4.02 AG ASPHALTIC CONCRETE WEARING COURSE, 3" THICK	4.02 CB ASPHALTIC CONCRETE MIXTURE	<b>4.04 H</b> CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH)	<b>4.04 HC</b> CONCRETE BASE FOR PAVEMENT, 8" THICK (HIGH-EARLY STRENGTH)	4.05 AX HIGH-EARLY STRENGTH REINFORCED CONCRETE PAVEMENT (BUS STOPS)
COL. 1 SEQ. NO	100	005	003	900	900	900

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL. 5: COL. 6: UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES)					,	
COL 4 COL UNIT PE		<u>.</u>	<u>.</u>	<u>.</u>	<u>.</u>	ı.
COL.3 ENGINEERS ESTIMATE OF QUANTITY	11.00	88.00	47.00	96.00	4.00	162.00
COL 2 TIEM NUMBER and DESCRIPTION	<b>4.06</b> CONCRETE IN STRUCTURES, CLASS A-40	4.07 DMLS1 RAISED DOLOMITIC LIMESTONE CURB, STRAIGHT	4.07 DMLS2 RAISED DOLOMITIC LIMESTONE CURB, STRAIGHT WITH NOTCHES	4.07 DMLS3 RAISED DOLOMITIC LIMESTONE CURB , RADIUS	4.07 DMLS4 RAISED DOLOMITIC LIMESTONE CURB, STRAIGHT AND RADIUS	4.09 ADB STRAIGHT STEEL FACED CONCRETE CURB (20" DEEP)
COL 1 SEQ. NO	007	800	600	010	011	012

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL.1	COL. 2 TEM NUMBER AND DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF QUANTITY	7 TIMI	COL.5 COL.6  UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES)  DOLLARS CTS DOLLARS	CIS
013	4.09 AF STRAIGHT STEEL FACED CONCRETE CURB (27" DEEP)	169.00	F.		
014	4.09 CDB CORNER STEEL FACED CONCRETE CURB (20" DEEP)	80.00	LF.		
015	<b>4.11 CA</b> FILL, PLACE MEASUREMENT	65.00	C.Y.		
016	4.13 AAS 4" CONCRETE SIDEWALK (UNPIGMENTED)	2,202.00	S. F.		
017	4.13 AAX 4" CONCRETE SIDEWALK WITH SPECIAL SCORING (UNPIGMENTED)	1,963.00	S.F.		
018	4.13 DE EMBEDDED PREFORMED DETECTABLE WARNING UNITS	20.00	S.F.		

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL. 5 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS CTS DOLLARS CTS						
SOL 4	e. F.	1,952.00 S.F.	254.00 S.F.	239.00 LBS.	3.00 C.Y.	2.00 EACH
COL.3 ENGINEER'S ESTIMATE OF QUANTITY		_	_	23		
COL. 2 TEM NUMBER and DESCRIPTION	<b>4.13 DE-KB</b> EMBEDDED DETECTABLE WARNING PAVERS, 24" X 2-1/2"	<b>4.13 ESA</b> 4" CONCRETE SIDEWALK, SAND-COLOR WITH EXPOSED AGGREGATE	4.13 ESB 7" CONCRETE SIDEWALK, SAND-COLOR WITH EXPOSED AGGREGATE	4.14 STEEL REINFORCEMENT BARS	4.15 PS TOPSOIL FOR NEW PLANTING BEDS	<b>4.16 DT</b> TREES PLANTED, 3-1/2" TO 4" CALIPER, DECIDUOUS
COL. 1 SEQ. NO	019	020	021	022	023	024

4/3/2015 12:00 AM

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

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL. 1 SEQ. NO	COL 2 TIEM NUMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF QUANTITIY	COL. 4.	COL 5 UNIT PRICE (IN FIGURES)  DOLLARS CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS
	4.17 APS PERENNIAL OR SHRUB PLANTED, 1 GALLON, ALL TYPES	4.00	EACH		
	<b>4.17 D5G</b> SHRUBS PLANTED, DECIDUOUS, 5 GALLON, ALL TYPES	5.00	ЕАСН		
	<b>4.17 OG1QT</b> ORNAMENTAL GRASS PLANTED, 1 QT	33.00	ЕАСН		
	<b>4.17 OG2QT</b> ORNAMENTAL GRASS PLANTED, 2 QT	43.00	ЕАСН		
	<b>4.17 OG5G</b> ORNAMENTAL GRASS PLANTED, 5 GALLON	2.00	ЕАСН		
	<b>4.17 P1QT</b> PERENNIALS 2 QT	. 129.00	EACH		



PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL 6  CE EXTENDED AMOUNT  (IN FIGURES)  COL 6  COL 7  COL						
COL. 5 UNIT PRICE (IN FIGURES DOLLARS						
COL. 4 UNIT	EACH	EACH	P/HR	<u>.</u>	F.	ЕАСН
COL 3 ENGINEERS ESTIMATE OF QUANTITY	238.00	6.00	1,664.00	70.00	11.00	2.00
COL. 2 TEM NUMBER and DESCRIPTION	4.17 P2QT PERENNIALS 2 QT	<b>4.17 PG3G</b> PERENNIALS OR GROUNDCOVERS, PLANTED, 3 GALLON, ALL TYPES	4.21 TREE CONSULTANT	<b>50.31CC15</b> 15" E.S.V.P. COMBINED SEWER, ON CONCRETE CRADLE	<b>50.41C6E12</b> 12" D.I.P. CLASS 56 COMBINED SEWER, ENCASED IN CONCRETE	<b>51.21S0A2000V</b> STANDARD MANHOLE TYPE A-2
COL. 1 SEQ. NO	031	032	033	034	035	036

4/3/2015 12:00 AM

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

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL. 1 SEQ. NO	COL.2 TTEM NUMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF QUANTITY	COL.4.	COL 5 UNIT PRICE (IN FIGURES) DOLLARS CTS	COL 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS
<b>ന</b> ഗ	<b>51.41S001</b> STANDARD CATCH BASIN, TYPE 1	1.00	ЕАСН		
4/ "	<b>52.11D12</b> 12" DUCTILE IRON PIPE BASIN CONNECTION	34.00	Ë.		
u, 60	<b>52.41V06R</b> 6" E.S.V.P. HOUSE CONNECTION DRAIN ON CONCRETE CRADLE (RECONNECTION)	160.00	L.F.		
47 80	<b>52.41V08R</b> 8" E.S.V.P. HOUSE CONNECTION DRAIN ON CONCRETE CRADLE (RECONNECTION)	160.00	LF.		
	<b>53.11DR</b> TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS	81.00	LF.		
	<b>54.11SC</b> SEWER CLEANING	500.00	Ä.		

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL 1 SEQ. NO	COL. 2  TEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIWATE OF QUANTITY	COL 4	COL.5 % UNIT PRICE (IN FIGURES) DOLLARS COTS	COL 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS
043	54.12CS CLEANING OF DRAINAGE STRUCTURES	1.00	C.Y.		
044	<b>55.11AB</b> ABANDONING BASINS AND INLETS	1.00	ЕАСН		
045	6.02 AAN UNCLASSIFIED EXCAVATION	359.00	C.Y.		
046	6.02 PA PNEUMATIC EXCAVATION AROUND TREES	2.00	C.Y.		
047	<b>6.02 PB</b> BACKFILLING AROUND TREES	2.00	C.Y.		
048	<b>6.03 AA</b> STRIPPING PAVEMENT SURFACE (ASPHALTIC CONCRETE)	92.00	S.Y.		

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

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL 1 SEQ. NO	COL.2 TEM NUMBER and DESCRIPTION	COL 3 ENGINEERS ESTIMATE OF QUÁNTITIY	COL.4	COL 5 UNIT PRICE (IN FIGURES) DOLLARS CTS	COL. 6  EXTENDED AMOUNT  (IN FIGURES)  DOLLARS  CTS
049	<b>6.22 F</b> ADDITIONAL HARDWARE	2,200.00	LBS.		
050	<b>6.23 XBE</b> FURNISH AND INSTALL 2" GALVANIZED STEEL CONDUIT (WITH PAVEMENT EXCAVATION)	11.00	ਜ ਜ		
051	6.25 RS TEMPORARY SIGNS	4,844.00	ю. т.		
052	<b>6.26</b> TIMBER CURB	388.00	Ä.		
053	<b>6.28 AA</b> LIGHTED TIMBER BARRICADES	97.00	Ŗ.		
	<b>6.36 DR</b> STRUCTURAL REPAIR AND ADJUSTMENT OF UTILITY STRUCTURES	7.00	C.Y.		

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL 4 COL 5 COL 8 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) UNIT DOLLARS COTS DOLLARS		SETS	L'	L'	ц.	Щ.
COL 3 ENGINEER'S ESTIMATE OF QUANTITY	18.00	150.00	3,699.00	1,104.00	2,232.00	688.00
COL. 2 THEM NUMBER and DESCRIPTION	<b>6.40 A</b> ENGINEER'S FIELD OFFICE (TYPE A)	<b>6.43</b> PHOTOGRAPHS	<b>6.44</b> THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (4" WIDE)	<b>6.49</b> TEMPORARY PAVEMENT MARKINGS (4" WIDE)	<b>6.53</b> REMOVE EXISTING LANE MARKINGS (4" WIDE)	<b>6.55</b> SAWCUTTING EXISTING PAVEMENT
COL. 1 SEQ. NO	055	056	057	058	059	090

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

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL. 5. COL. 6 UNIT PRICE EXTENDED AMOUNT: (IN FIGURES) (IN FIGURES)						
COL.4 COL. UNIT PR UNIT DOLLARS	C.Y.	S.Y.	C.Y.	ЕАСН	S.F.	H
COL. 3. ENGINEER'S ESTIMATE OF QUANTITY	2.00	2.00	61.00	4.00	156.00	30.00
COL. 2 TEM NUMBER and DESCRIPTION	<b>6.67</b> SUBBASE COUI	<b>6.68</b> PLASTIC FILTER FABRIC	6.75 GRINDING EXISTING ASPHALTIC CONCRETE WEARING COURSE	<b>6.77 R</b> METAL TRASH RECEPTACLE	6.82 A REMOVING EXISTING TRAFFIC AND STREET NAME SIGNS	6.82 B REMOVING EXISTING TRAFFIC AND STREET NAME SIGN POSTS
COL 1 SEQ. NO	061	062	690	064	965	990



PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL.1 SEQ.NO	COL. 2 TEM NUMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF QUANTITIY	COL.4 COL.5 UNIT PRIC (IN FIGURE) UNIT DOLLARS	COL. 5 UNIT PRICE (IN FIGURES) OLLARS CTS	COL 6  EXTENDED AMOUNT (IN FIGURES) DOLLARS ; CTS
067	<b>6.83 AA</b> FURNISHING NEW NON-REFLECTORIZED TRAFFIC SIGNS	63.00	S.F.		
068	<b>6.83 AB</b> FURNISHING NEW TRAFFIC SIGN POSTS	50.00	L.F.		
069	<b>6.83 AR</b> FURNISHING NEW REFLECTORIZED TRAFFIC SIGNS	41.00	Т.		
070	6.83 BA INSTALLING TRAFFIC SIGNS	104.00	я. Т.		
071	<b>6.83 BB</b> INSTALLING TRAFFIC SIGN POSTS	50.00	L.F.		
072	<b>6.87</b> PLASTIC BARRELS	256.00	ЕАСН		

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

**CONTRACT PIN: 8502015HW0030C** PROJECT ID: HWPLZ009Q

6.99 AUDIO AND VIDEO DOCUMENTATION SURVEY
60.11R606 FURNISHING AND DELIVERING 6-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56) 60.11R608 FURNISHING AND DELIVERING 8-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)
60.11R610 FURNISHING AND DELIVERING 10-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56) 60.11R612 FURNISHING AND DELIVERING 12-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)



PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL.1 SEO.NO	COL. 2 TEW NIMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF OTHER WATER	COL. 4	COL. 5 UNIT PRICE (IN FIGURES).	COL. 6 EXTENDED AMOUNT (IN FIGURES)
079	60.12D06 LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS	77.00	Ľ J		-
080	60.12D08 LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS	287.00	님		
081	60.12D10 LAYING 10-INCH DUCTILE IRON PIPE AND FITTINGS	22.00	ᆔ		
082	60.12D12 LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS	402.00	н.		
083	60.13M0A24 FURNISHING AND DELIVERING DUCTILE IRON MECHANICAL JOINT 24-INCH DIAMETER AND SMALLER FITTINGS, INCLUDING WEDGE TYPE RETAINER GLANDS	3.00	SNOT		

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

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL.5 COL.6 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS CTS DOLLARS CTS					
COL.4	ЕАСН	ЕАСН	ЕАСН	ЕАСН	EACH
COL3 ENGINEER'S ESTIMATE OF QUANTITY	2.00	2.00	1.00	2.00	2.00
COL. 2 ITEM NUMBER, and DESCRIPTION	61.11DMM06 FURNISHING AND DELIVERING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	61.11DMM08 FURNISHING AND DELIVERING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	61.11DMM12 FURNISHING AND DELIVERING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	61.12DMM06 SETTING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	61.12DMM08 SETTING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS
COL. 1 SEQ. NO	084	980	980	280	088



PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL 6 EXTENDED AMOUNT (IN FIGURES)						
UNIT PRICE (IN-FIGURES)						
COL 3 ENGINEER'S ESTIMATE OF QUANTITY UNIT		2.00 EACH	2.00 EACH	1.00 EACH	4.00 EACH	3.00 TONS
ENGI EST OF QU			TAINER		ENDERS	
COL. 2 TĒM NUMBER end DESCRIPTION	61.12DMM12 SETTING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	<b>62.11SD</b> FURNISHING AND DELIVERING HYDRANTS	<b>62.12SG</b> SETTING HYDRANTS COMPLETE WITH WEDGE TYPE RETAINER GLANDS	62.13RH REMOVING HYDRANTS	<b>62.14FS</b> FURNISHING, DELIVERING AND INSTALLING HYDRANT FENDERS	63.11VC FURNISHING AND DELIVERING VARIOUS CASTINGS
SEQ.NO	680	060	091	092	093	094

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL. 1 SEQ. NO	COL. 2 TEM NUMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS GTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS
095	<b>64.11ST</b> WITHDRAWING AND REPLACING HOUSE SERVICES USING SMALLER THAN 1-1/2-INCH SCREW TAPS	25.00	ЕАСН		
096	64.12COLT CUTTING AND OFFSETTING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3-INCH DIAMETER)	108.00	LF.		
260	64.12ESLT EXTENDING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3- INCH DIAMETER)	54.00	LF.		
860	<b>65.11BR</b> FURNISHING, DELIVERING AND INSTALLING BANDS, RODS, WASHERS, ETC., COMPLETE, FOR RESTRAINING JOINTS	1,353.00	LBS.		
660	65.21PS FURNISHING AND PLACING POLYETHYLENE SLEEVE Unit price bid shall not be less than: \$1.00	394.00	L.F.		
100	65.31FF FURNISHING, DELIVERING AND PLACING FILTER FABRIC Unit price bid shall not be less than: \$ 0.50	10,282.00	S.F.		



PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL.1 SEQ.NO	COL. 2 TIEM NUMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF QUANTITIE	COL. 4	COL.5 UNIT PRICE (IN FIGURES) DOLLARS	COL. 6 EXTENDED AMOUNT (IN FIGURES) EDOLLARS CIS
<b>6</b> I Ø	<b>65.71SG</b> FURNISHING, DELIVERING AND PLACING SCREENED GRAVEL OR SCREENED BROKEN STONE BEDDING	42.00	C.Y.		
	7.13 B MAINTENANCE OF SITE Unit price bid shall not be less than: \$2,500.00	12.00	MONTH		
	<b>7.16 D</b> TEST PITS	38.00	C.Y.		
	<b>7.18 CM</b> CONTROLLED LOW STRENGTH MATERIAL (CLSM)	00'9	C.Y.		
	<b>7.30 B</b> REMOVAL OF TRACK	400.00	L.F.		
	<b>7.36</b> PEDESTRIAN STEEL BARRICADES	1,835.00			

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COL. 5 COL. 6 UNIT PRICE UNIT PRICE (IN FIGURES) (IN FIGURES) DOLLARS CTS CTS						
ENGINEER'S COL.4 UNI ESTIMATE (IN FOLL)	O.F.	26.00 EACH	9.00 EACH	10.00	1.00 ЕАСН	7.00 ЕАСН
					LETOP	
COL.2 TIEM NUMBER and DESCRIPTION	7.50 DMLS DOLOMITIC LIMESTONE BLOCK SEATING	<b>7.50 SF-MA1</b> CHAIRS	<b>7.50 SF-MA2</b> LOUNGE CHAIRS	<b>7.50 SF-MA3</b> MOVEABLE TABLES	7.50 SF-MA3-C MOVEABLE TABLE WITH CHESS TABLETOP	7.50 SF-MA4-M MOVABLE UMBRELLA WITH BASE
COL.1 SEQ. NO	107	108	109	110	111	112

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

COL 1 SEQ. NO	COL. 2  TEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTINATE OF QUANTITY	COL.4	COL. 5 COL. 6 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS CTS CTS
113	7.57 DGRA DRILL AND GROUT REINFORCEMENT BARS	3.00	L.F.	
114	7.88 AA RODENT INFESTATION SURVEY AND MONITORING Unit price bid shall not be less than: \$4,500.00	1.00	L.S.	
115	7.88 AB RODENT BAIT STATIONS Unit price bid shall not be less than: \$72.00	33.00	ЕАСН	
116	7.88 AC BAITING OF RODENT BAIT STATIONS Unit price bid shall not be less than: \$11.00	33.00	ЕАСН	·
117	7.88 AD WATERBUG BAIT APPLICATIONS Unit price bid shall not be less than: \$78.00	00.6	ВГОСК	
118	<b>70.21DK</b> DECKING	65.00	S.Y.	

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COL. 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL.4 COL.5 UNIT PRICE (IN FIGURES) UNIT DOLLARS	COL. 6  EXTENDED AMOUNT  (IN FIGURES)  GRS DOLLARS  CIS
119	70.51EO EXCAVATION OF BOULDERS IN OPEN CUT Unit price bid shall not be less than: \$90.00	8.00	C.Y.	
120	70.61RE ROCK EXCAVATION	15.00	c.Y.	
121	70.81CB CLEAN BACKFILL Unit price bid shall not be less than: \$18.00	10.00	c.Y.	
122	70.91SW12 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 12-INCH IN DIAMETER AND LESS	855.00	Ä.	
123	73.11AB ADDITIONAL BRICK MASONRY Unit price bid shall not be less than: \$75.00	4.00	c.Y.	
124	73.21AC ADDITIONAL CONCRETE Unit price bid shall not be less than: \$75.00	68.00	C.Y.	

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COL. 1 SEQ. NO	COL. 2  TTEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL.4	COL 5 UNIT PRICE (IN FIGURES) DOLLARS CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS COTS
125	73.31AE0 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (ALL DEPTHS) Unit price bid shall not be less than: \$24.00	296.00	C.Y.		
126	73.41AG ADDITIONAL SELECT GRANULAR BACKFILL Unit price bid shall not be less than: \$18.00	10.00	C.Y.		
127	73.51AS ADDITIONAL STEEL REINFORCING BARS Unit price bid shall not be less than: \$ 1.50	10.00	LBS.		
128	8.02 A SPECIAL CARE EXCAVATION AND RESTORATION FOR SIDEWALK WORK	498.00	S.F.		
129	8.02 B SPECIAL CARE EXCAVATION AND RESTORATION FOR CURB WORK	411.00	LF.		
130	<b>8.15 CA</b> 4" CAST IRON PIPE, CLASS 50	20.00	Ä.		

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SEQ. NO 131 132	COL. 2  (ITEM NUMBER and DESCRIPTION  8.22 D  THREE PLY MEMBRANE WATERPROOFING  STEEL FOUNDATION PLATE  STEEL FOUNDATION PLATE  PAVING TRAY (AREA TOTEM)	COL.3 ENGINEER'S ESTIMATE OF QUANTITY 192.00 141.00	S.F. EACH	COL 5 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) DOLLARS  CIS DOLLARS	S S S S S S S S S S S S S S S S S S S
	9.99 FLASHING ARROW BOARD	2.00	ЕАСН		
	GI-PLZ009Q BIOINFILTRATION AREA	1.00	L.S.		



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	COL. 2 TTEM NUMBER and DESCRIPTION	COL3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4	COL 5 UNIT PRICE (IN FIGURES) DOLLARS (CTS)	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	R
HW-914 ALLOWAN	O SF	1.00	Ŗ.	9,574 00	9,574 00	8
<b>₽</b> ₩	<b>PK-12C</b> WATER TAP, 1-1/2" DIAMETER	1.00	ЕАСН			
<b>₹</b> ₽	<b>PK-13E</b> TYPE K COPPER TUBING, 1-1/2" DIAMETER	49.00	Ë			
<b>주</b> 원	<b>PK-14C</b> CURB GATE VALVE, 1-1/2" DIAMETER	1.00	EACH			
<b>A</b> DOOU	<b>PK-162 A</b> DOUBLE CHECK VALVE & WATER METER WITH REMOTE & STRUCTURE 1-1/2" DIA.	1.00	EACH			

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

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COL.4 COL.5 COL.6 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) UNIT DOLLARS CTS	ЕАСН	ЕАСН	ЕАСН	ЕАСН	ЕАСН
The state of the s	2.00 E	2.00 E	2.00 E	1.00 E	1.00 E
COL 3 ENGINEER'S ESTIMATE OF QUANTITIY	,				
COL. 2 TTEM NUMBER and DESCRIPTION	SL-20.02.12 FURNISH AND INSTALL STANDARD TYPE ANCHOR BOLT FOUNDATION FOR TYPE "BC", "M", LYRE AND "5TH AVENUE" LAMPPOST WITH GROUND ROD, AS PER DRAWINGS J-5253 AND H- 5019.	SL-20.08.02 REMOVE FOUNDATION OTHER THAN STANDARD TYPE.	SL-21.01.07 FURNISH AND INSTALL TYPE "B" LAMPPOST WITH INTERNAL FLANGE	SL-21.04.16 FURNISH AND INSTALL TYPE "W" TWIN ARM LAMPPOST WITH RECEPTACLE, AS PER DRAWING H-5260	SL-21.09.06 REMOVE ORNAMENTAL LAMPPOST (TYPE "BC", "M", "F", "5TH AVENUE", "LYRE" GRAND CENTRAL) ON FOUNDATION, WITH ALL ATTACHMENTS, IF ANY. REMOVE PORTION OF FOUNDATION.
COL 1 SEQ. NO	146	147	148	149	150

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

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

SEO NO		COL 3 ENGINEER'S ESTIMATE	COL. 4	COL 5 UNIT PRICE (IN FIGURES)	COL. 6 EXTENDED AMOUNT ( IN FIGURES )
151	SL-22.06.19 FURNISH AND INSTALL MAXIMUM 150 WATT LED TYPE "TEAR DROP" LUMINAIRE	3.00	EACH	DOLLARS	DOLLARS
152	SL-22.09.05 REMOVE LUMINAIRE WITH FITTING, IF ANY. FURNISH AND INSTALL NEW FITTING FOR INSTALLATION OF NEW LUMINAIRE ON ORNAMENTAL LAMPPOST (TYPE "BC", "M", "F" AND "LYRE").	3.00	ЕАСН		
153	SL-22.15.03 FURNISH AND INSTALL 75 WATT LED "RIVERSIDE PARK" TYPE LUMINAIRE	2.00	ЕАСН		
154	SL-29.01.01 FURNISH, INSTALL, MAINTAIN AND REMOVE EQUIPMENT FOR TEMPORARY LIGHTING (PYLON), AS PER DRAWINGS F-5005 AND F-5005A	3.00	ЕАСН		
155	SL-31.01.02 PAINT A PARK OR PEDESTRIAN TYPE LAMPPOST (TYPE "B", "BB", "E", "WF", ETC.)	2.00	ЕАСН		

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COL. 6 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS CTS						
COL.4	ЕАСН	<u> </u>	F	F.	ЕАСН	ЕАСН
COL.3 ENGINEER'S ESTIMATE OF QUANTITIY	4.00	100.00	100.00	100.00	1.00	1.00
COL.2 TIEM NUMBER and DESCRIPTION	SL-31.01.05 PAINT A STREE ETC.) WITH TW	SL-33.01.02 FURNISH AND INSTALL NO. 6 AWG XLP COPPER CABLE OR EQUAL IN CONDUIT	SL-33.03.01 FURNISH AND INSTALL #6 BARE COPPER CONDUCTOR IN CONDUIT OR OVERHEAD.	SL-35.01.03 FURNISH AND INSTALL 1-1/2" HOT DIPPED GALVANIZED STEEL CONDUIT IN PAVED AREA.	T-1.20 REMOVE TYPE "M" SERIES FOUNDATION	T-1.3 INSTALL TYPE "M2-5S" FOUNDATION
COL. 1 SEQ. NO	156	157	158	159	160	161

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PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

	COL.2 COL.3 COL.4 COL.5 COL.6	1.00 EACH	1.00 EACH	MAST ARM POLE ASSEMBLY TYPE "M-2"	R BOLT ASSEMBLIES FOR M-2 (EACH) (4	AL UNIT ON MAST ARM OR TOP OF	NAI ON ANY TYDE DOCT
162 163 164 165 165 167 167	COL. 1  COL. 2  SEQ. NO  TTEM NUMBER and DESCRIPTION				T-20220 c) FURNISH 1-1/4" ANCHOR BOLT ASSEMBLIES FOR M-2 REQUIRED PER POST)	-	T-3.6 INSTALL PEDESTRIAN SIGNAL ON ANY TYPE DOST

PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

<u> </u>						
COL. 6 EXTENDED AMOUNT (IN FIGURES)						
COL 5 UNIT PRICE (IN FIGURES) DOLLARS. CTS						
COL 4	ЕАСН	ЕАСН	ЕАСН	ЕАСН	ЕАСН	L.F.
COL 3 ENGINEER'S ESTIMATE OF QUANTITY	2.00	1.00	1.00	1.00	2.00	40.00
COL. 2 TIEM NUMBER and DESCRIPTION	<b>T-30013L</b> FURNISH ADJST 3 SCTN 1-WAY TRAFFIC SIGNAL, 8" - W/LED LENS	T-31210 h) "HUB" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	<b>T-31215</b> b) "2MS"	T-31351 g) "VB-2P" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	T-33000L FURNISH POLYCARBONATE INCANDESCENT PED SIGNAL W/LED LENS	<b>T-5.2</b> FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN PAVED ROADWAY
COL. 1 SEQ. NO	168	169	170	171	172	173

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COL 1 SEC. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE	COL.5 UNIT PRICE (IN FIGURES) UNIT DOLLARS	CE EXTENDED AMOUNT (IN FIGURES) (OTS DOLLARS CTS
174	T-5.32 RESTORING PERMANENT ROADWAY (INCLUDING SAWCUT)	40.00	L.F.	
175	<b>T-5.7</b> FURNISH AND INSTALL ADDITIONAL 2" RIGID UNDERGROUND CONDUIT	5.00	L.F.	
176	<b>T-6.10</b> REMOVE CABLE (INCLUDES OVERHEAD)	400.00	L.F.	
177	<b>T-6.2</b> INSTALL MULTIPLE CABLE (INCLUDES OVERHEAD)	400.00	L.F.	
178	<b>T-60000B</b> FURNISH 2 c # 10B (SEE SPEC) (BREAKDOWN = 2#10 WITH 3RD WIRE FOR GROUNDING).	400.00	L.F.	
179	<b>T-60040</b> c) 7 CONDUCTOR, 14 A.W.G.	300.00	L.F.	

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COL.1 SEQ. NO	COL. 2  ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITITY	COL.4 COL.5. UNIT PRICE EX. (IN FIGURES) UNIT DOLLARS :CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS
180	<b>T-60190</b> e) 13 CONDUCTOR, 14 A.W.G.	500.00	L.F.	
181	<b>T-7.50</b> REMOVE (1812) HAND BOX OR PULL BOX IN PAVED SIDEWALK	1.00	ЕАСН	
182	<b>T-8.8</b> INSTALL CONCRETE PYLON	1.00	ЕАСН	
183	<b>T-8.9</b> REMOVE CONCRETE PYLON	1.00	ЕАСН	
184	T-81000 FURNISH CONCRETE PYLON	1.00	ЕАСН	
185	UTL-6.01.1 GAS MAIN CROSSING SEWER UP TO 24" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$ 1,040.00	1.00	EACH	

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

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COL 5 COL 6 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS GTS DOLLARS GTS						
SOL 4	ЕАСН	<b>4</b>	<u> </u>	EACH	EACH	C.Y.
COL 3 ENGINEER'S ESTIMATE OF QUANTITY	3.00	800.00	300.00	5.00	5.00	200.00
COL 2  ITEM NUMBER and DESCRIPTION	UTL-6.01.9 GAS MAIN CROSSING WATER MAIN UP TO 20" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$ 485.00	UTL-6.03 REMOVAL OF ABANDONED GAS FACILITIES. ALL SIZES. (S6.03) Unit price bid shall not be less than: \$ 15.00	UTL-6.03.1 REMOVAL OF ABANDONED GAS FACILITIES WITH POSSIBLE COAL TAR WRAP. ALL SIZES. (S6.03) Unit price bid shall not be less than: \$ 25.00	UTL-6.04 ADJUST HARDWARE TO GRADE USING SPACER RINGS/ADAPTORS. (STREET REPAVING.) (S6.04) Unit price bid shall not be less than: \$35.00	UTL-6.05 ADJUST HARDWARE TO GRADE BY RESETTING. (ROAD RECONSTRUCTION.) (S6.05) Unit price bid shall not be less than: \$65.00	UTL-6.06  SPECIAL CARE EXCAVATION AND BACKFILLING (S6.06) Unit price bid shall not be less than: \$ 180.00
COL.1 SEQ. NO	186	187	188	189	190	191



PROJECT ID: HWPLZ009Q CONTRACT PIN: 8502015HW0030C

### **BID SCHEDULE FORM**

COL 1 Seg. No.	COL.2  TEMINUMBER and DESCRIPTION	COL.3 ENGINEERS ESTIMATE OF QUANTIM	7 5	DOLS.		GÖL B Krended Angunt Ken Freures) Domark	S. S
192	UTL-6.07 TEST PITS FOR GAS FACILITIES (\$6.07)	10.00	C.Y.				
	Unit price bid shall not be less than: \$ 100.00			• • • • •			
193	UTL-GCS-2WS GAS INTERFERENCES AND ACCOMMODATIONS	1.00	R.S.	15,000 00	8	15,000 00	8
	PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 15,000.00						

SUB-TOTAL: \$\_

<u>\$</u>	194 6.39 A	1.00	L.S.			
	MOBILIZATION	, 4.		••••		
	BID PRICE OF MOBILIZATION SHALL NOT EXCEED 4% OF THE ABOVE SUB-TOTAL PRICE.					

TOTAL BID PRICE: \$

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. (NO TEXT ON THIS PAGE)

### 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: HWPLZ009Q

### **RECONSTRUCTION OF**

### 71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

### INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

### **Together With All Work Incidental Thereto**

### BOROUGH OF QUEENS CITY OF NEW YORK

Name of Bidder:		7477	-
Date of Bid Opening:		-	177 Marie 1884 - 1
Bidder is: (Check one, whichever applies)	Individual ( )	Partnership ( )	Corporation ( )
Place of Business of Bidder:	- 164		
Bidder's Telephone Number:	Fax 1	Number:	
Bidder's E-Mail Address:			
Residence of Bidder (If Individual):			
If Bidder is a Partnership, fill in the following Names of Partners		ence of Partners	
If Bidder is a Corporation, fill in the following			
Organized under the laws of the State of	***		
Name and Home Address of President:			, 190-8-40
Name and Home Address of Secretary:			
Name and Home Address of Treasurer:			1444

### **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.

The bidder, as an individual, or as a member, partner, director or officer of the bidder, if the same 5. 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.

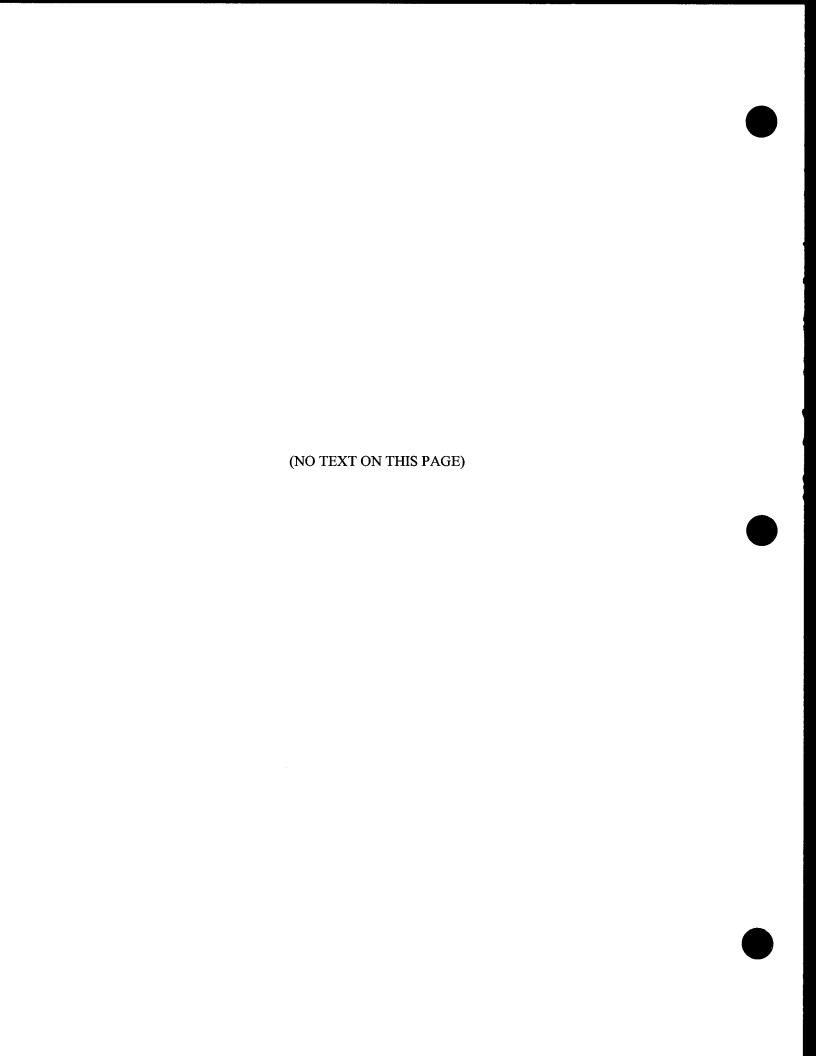
The bidder, as an individual, or as a member, partner, director, or officer of the bidder, if the same be a firm, partnership, or corporation, executes this document expressly warranting that he will comply with: (1) the provision of the contract on providing records, Chapter 8.

- 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:
- 10. <u>M/WBE UTILIZATION PLAN</u>: By signing its bid, 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 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.



### **BID FORM**

### PROJECT ID. HWPLZ009Q

<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)

\$\_\_\_\_\_

### **BIDDER'S SIGNATURE AND AFFIDAVIT**

Bidder:		
Ву:	(Signature of Partner or corporate officer)	
Attest: (Corporate Seal)	Secretary of Corporate Bidder	

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

### **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 the respects true.	being duly sworn says: ne foregoing bid, and the several matters therein stated are in all
Subscribed and sworn to before me this day of,	(Signature of the person who signed the Bid)
Notary Public	
<u>AFFIDAVIT WH</u>	ERE BIDDER IS A PARTNERSHIP
STATE OF NEW YORK, COUNTY OF	ss:
I am a member of bid. I subscribed the name of the firm thereto on respects true.	being duly sworn says:
Subscribed and sworn to before me this day of,	(Signature of Partner who signed the Bid)
Notary Public	
AFFIDAVIT WHE	ERE BIDDER IS A CORPORATION
STATE OF NEW YORK, COUNTY OF  I am the of the	ss: being duly sworn says: above named corporation whose name is subscribed to and which
executed the foregoing bid. I reside at I have knowledge of the several matters therein st	·
Subscribed and sworn to before me this day of,	(Signature of Corporate Officer who signed the Bid)
Notary Public	

### **AFFIRMATION**

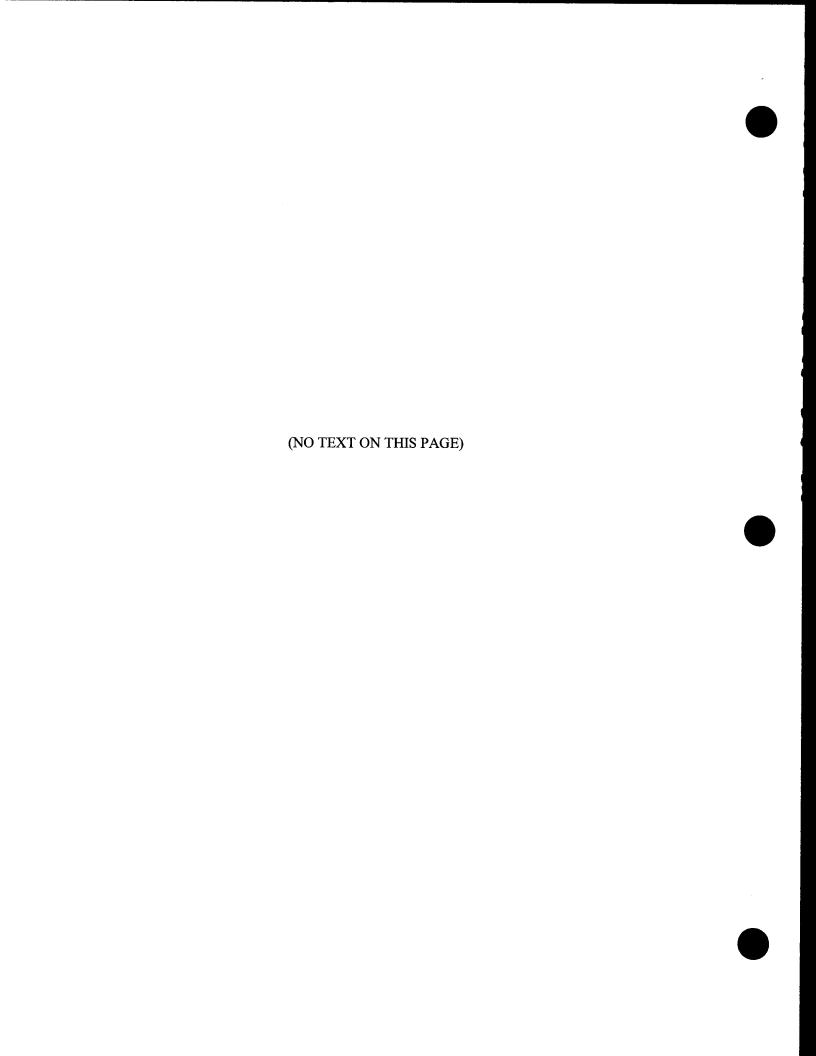
### PROJECT ID. HWPLZ009Q

(If not	ne, the b	bidder shall insert the word "None" in the space provided above.)	
		f Bidder:	
Addre	ss:	StateZip Code	
City_		StateZip Code	
CHEC	CK ONE	E BOX AND INCLUDE APPROPRIATE NUMBER:	
/	A -	Individual or Sole Proprietorship* SOCIAL SECURITY NUMBER	
<u>/</u> /	В-	Partnership, Joint Venture or other unincorporated organization EMPLOYER IDENTIFICATION NUMBER	
/	C-	Corporation EMPLOYER IDENTIFICATION NUMBER	
By:			
	<u> </u>	gnature	

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.



### BID BOND 1 FORM OF BID BOND

KNOW ALL MEN BY THESE PRESENTS. That we,
hereinafter referred to as the "Principal", and
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
(\$
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 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 a 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 30th day after the date on which the City signs the Contract.

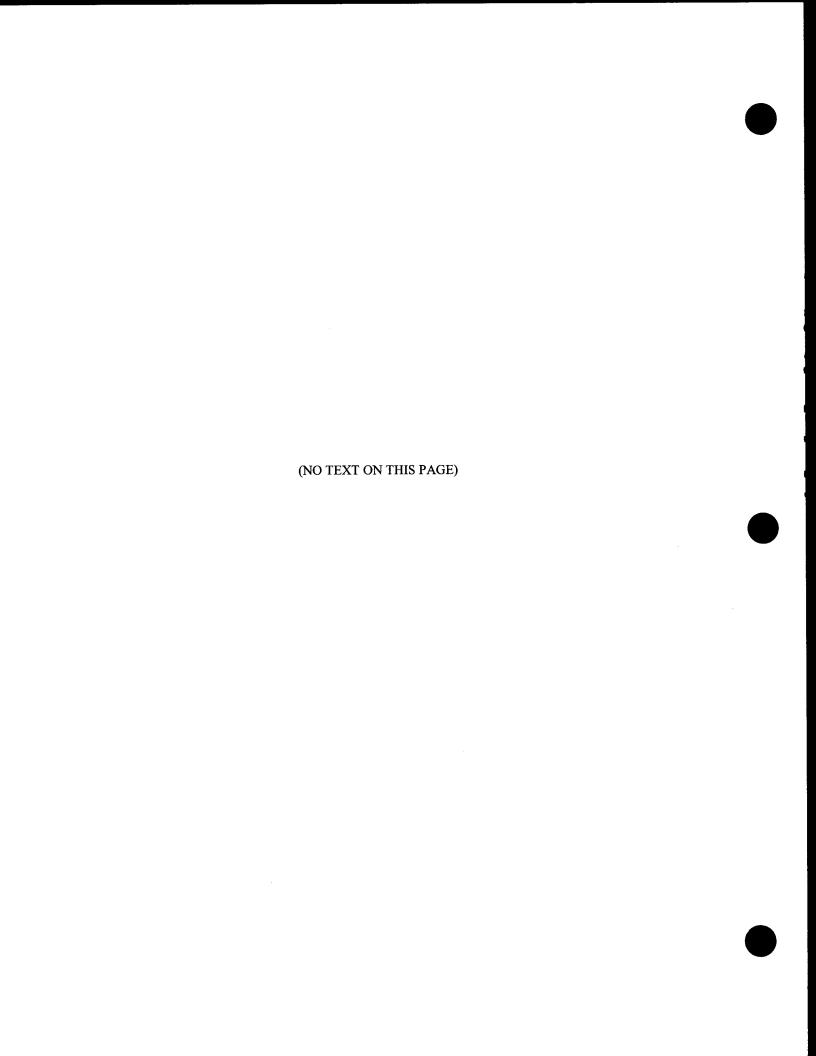
The surety, for the value received, hereby stipulates and agrees that the obligations of the Surety and its bond shall in no way be impaired or affected by any postponements of the date upon which the City will receive or open bids, or by any extensions of the time within which the City may accept the 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 Principa and such of them as are corporations have cau presents to be signed by their proper officers the		and these
(Seal)	(I	S.)
	By:	
(Seal)	Surety	
	Ву:	

### BID BOND 3

### ACKNOWLEDGMENT OF PRINCIPAL, IF A CORPORATION

State of	County of	ss:
On this	day of	ss:ss:, before me personally came to me known, who, being by me duly sworn, did depose and say
		to me known, who, being by me duly sworn, did depose and say
that he resides at		of
that he is the	NA	of
corporation; that	one of the seals affixed	xecuted the foregoing instrument; that he knows the seal of said to said instrument is such seal; that it was so affixed by order of the signed his name thereto by like order.
		Notary Public
	ACKNOWLEDGME	ENT OF PRINCIPAL, IF A PARTNERSHIP
firm of		ss:
		Notary Public
	ACKNOWLEDGME	ENT OF PRINCIPAL, IF AN INDIVIDUAL
-		ss:s before me personally appeared to me known and known to me to be the person described in nt and acknowledged that he executed the same.
	AFFIX ACKNOWLEDG	Notary Public  SMENTS AND JUSTIFICATION OF SURETIES



### M/WBE PROGRAM

### M/WBE UTILIZATION PLAN

<u>M/WBE Program Requirements</u>: The requirements for the M/WBE Program are set forth on the following pages of this Bid Booklet, in the section entitled "Notice to All Prospective Contractors".

Schedule B: M/WBE Utilization Plan: Schedule B: M/WBE Utilization Plan for this Contract is set forth in this Bid Booklet on the pages following the section entitled "Notice to All Prospective Contractors". The M/WBE Utilization Plan (Part I) indicates whether Participation Goals have been established for this Contract. If Participation Goals have been established for this Contract, the bidder must submit an M/WBE Utilization Plan (Part II) with its bid.

Waiver: The bidder may seek a full or partial pre-award waiver of the Participation Goals in accordance with the "Notice to All Prospective Contractors" (See Part A, Section 10). The bidder's request for a waiver must be submitted at least seven (7) calendar days prior to the bid date. Waiver requests submitted after the deadline will not be considered. The form for requesting a waiver of the Participation Goals is set forth in the M/WBE Utilization Plan (Part III).

Rejection of the Bid: The bidder must complete Schedule B: M/WBE Utilization Plan (Part II) set forth in this Bid Booklet on the pages following the section entitled "Notice to All Prospective Contractors". A Schedule B submitted by the bidder 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 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 Required Affirmations, the bidder 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 is non-responsive. Receipt of notification is defined as the date notice is emailed or faxed (if the bidder has provided an email address or fax number), or no later than five (5) calendar days from the date of mailing or upon delivery, if delivered.

<u>Impact on LBE Requirements</u>: If Participation Goals have been established for the participation of M/WBEs, the contractor is not required to comply with the Locally Based Enterprise Program ("LBE"). The LBE Program is set forth in Article 67 of the Contract.

### NOTICE TO ALL PROSPECTIVE CONTRACTORS

### PARTICIPATION BY MINORITY-OWNED AND WOMEN-OWNED BUSINESS ENTERPRISES IN CITY PROCUREMENT

### 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

### <u>PARTICIPATION GOALS FOR CONSTRUCTION, STANDARD</u> 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 (SCHEDULE B, PART II). A SCHEDULE B SUBMITTED BY THE 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.

- 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).
- 7. 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 <a href="mailto:poped@ddc.nyc.gov">poped@ddc.nyc.gov</a> 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.
- 11. 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:
- 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.

Tou ID #:	APT E-	85015B0144
Tax ID #:	PIN #:	

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

Part I to be completed by contracting agency

Contract Overview								
APT E- Pin # Project Title/ Agency	85015B0144		FMS P	roject ID#	#: <u>H</u> V	VPLZ	09Q	
PIN #	RECONSTRUCTION O	F 71ST	PLAZA / 850	02014HW(	0030C			
Bid/Proposal Response Date	JULY 9, 2015			,				
Contracting Agency	Department of Design a	nd Cons	truction		,			
Agency Address	30-30 Thomson Ave.	City	Long Islan	d City	State	NY	Zip Code	11101
Contact Person	Ann-Chevealle Brown		Title	MWBE I	L <u>iaisor</u>	& Co	mpliance Ar	nalvst
Telephone #	(718) 391-1175		Email	brownan				-
Project Description (atta	ch additional pages if necessary,	),	10 A				77 2 4.0	

### DESIGN FOR COMPLEX PEDESTRIAN RAMPS ADJACENT TO HISTORIC AND/OR LANDMARK FACILITIES

INCLUDING SEWER, WATER MAIN, CURB AND SIDEWALK RECONSTRUCTION, PAVEMENT MARKINGS, AND STREET LIGHTING WORK

Together With All Work Incidental Thereto BOROUGH OF MANHATTAN 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	
<u>Unspecified*</u>		
or	11%	
Black American	UNSPECIFIED*	·
Hispanic American	UNSPECIFIED*	
Asian American	UNSPECIFIED*	
Women	UNSPECIFIED*	
otal Participation Goals	11%	Line 1

<sup>\*</sup>Note: For this procurement, individual ethnicity and gender goals are not specified. The Total Participation Goal for construction contracts may be met by using either Black-American, Hispanic-American, Asian American, or Women certified firms or any combination of such firms.

13

Tax ID #:	<del>-</del>		APT E- PIN #: _		· · · · · · · · · · · · · · · · · · ·
SCHEDULE B - Part II: M/WBE Parti	cipation Plan				
Part II to be completed by the bidder/pr Please note: For Non-M/WBE Prime of entire contract, you must obtain a FUL submitting it to the contracting agency granted, it must be included with your bid or proposal.	Contractors who will L waiver by complet y pursuant to the No	ting tice	the Waiver Application to Prospective Contract	on pa	ages 17 and 18 and timel
Section I: Prime Contractor Contact Info	rmation				
Tax ID #			FMS Vendor ID #		
Business Name		-10			
Address					
Telephone #	Email				
Section II: M/WBE Utilization Goal Calcu PRIME CONTRACTOR ADOPTING AC	lation: Check the ap	olica RTIC	ible box and complete s	ubse	ction.
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 13)		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.	\$	X		=	\$ Line 2
PRIME CONTRACTOR OBTAINED PA PARTICIPATION GOALS	RTIAL WAIVER AP	PRC	OVAL: ADOPTING MO	DIFI	ED M/WBE
For Prime Contractors (including Qualified Joint Ventures and M/WBE firms) adopting Modified M/WBE Participation Goals.	Total Bid/Proposal Value		Adjusted Participation Goal (From Partial Waiver)		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.	\$	x		=	\$ Line 3

Tax ID #:	APT E- PIN #:
review the Notice to Prospect	Plan: How Proposer/Bidder Will Fulfill M/WBE Participation Goals. Please tive Contractors for more information on how to obtain credit for M/WBE ple box. The Proposer or Bidder will fulfill the M/WBE Participation Goals:
contract the value of which is at work subcontracted to non-M/W Please check all that apply to Pr	
and/or the value of any work sub above, as applicable. The value fulfillment of M/WBE Participatio	
east the amount located on Line	
What is the expected percenta services, regardless of M/WBI	age of the total contract dollar value that you expect to award in subcontracts for
	Enter brief description of the type(s) and dollar value of subcontracts for all/any services you plan or subcontracting if awarded this contract. For each item, indicate whether the work is designated for participation by MBEs and/or WBEs and the time frame in which such work is scheduled to begin an end. Use additional sheets if necessary.  1.
	2. 1111
Scopes of Subcontract Work	8.
	14. 15. 16. 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18
	16. Harris Carrier Car

Tax ID #:	APT E- PIN #:
ection V: Vendor Certification and R	equired Affirmations
pertinent provisions of Section 6-129 (29"), and the rules promulgated the performation supplied agree, if awarded this Contract, to be pertinent provisions of Section 6-	d in support of this M/WBE Utilization Plan is true and correct; ocomply with the M/WBE participation requirements of this Contract, 129, and the rules promulgated thereunder, all of which shall be
leemed to be material terms of this of this of this of this of the and affirm that it is a materification of the M/WBE Participation Goor such goals are modified by the Ag	ial term of this Contract that the Vendor will award the total dollar pals to certified MBEs and/or WBEs, unless a full waiver is obtained
5) agree and affirm, if awarded this ( M/WBE Participation Goals, or If a p	Contract, to make all reasonable, good faith efforts to meet the artial waiver is obtained or such goals are modified by the Agency, oals by soliciting and obtaining the participation of certified MBE

Print Name

Signature

Title \_\_\_\_\_

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

*		
Tax ID #	FN	/IS Vendor ID #
Business Name		
Contact Name	Telephone #	Email
Type of Procurement	☐ Competitive Sealed Bids ☐ Other	Bid/Response Due Date
APT E-PIN # (for this procurement):		Contracting Agency:
M/WBE Participation	on Goals as described in bid/solicitation o	Jocuments
	Agency M/WBE Participation Goal	
Proposed M/WBE Parti	cipation Goal <i>as anticipated by vendor</i> see	king waiver
		od faith by the bidder/proposer to be subcontracted
	or services and/or credited to an M/WBE Pr	
Basis for Waiver Req	uest: Check appropriate box & explain in	detail below (attach additional pages if needed)
☐ Vendor does not su		and good faith intention to perform all such work
	intention to do so on this contract. (Atta form and subcontract to other vendors or	er % than bid/solicitation describes, and has the ach subcontracting plan outlining services that reconsultants.)
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List 3 most recent contracts performed for other entities. Include information for each subcontract awarded in performance of such contracts. Add more pages if necessary.

(Complete ONLY if vendor has performed fewer than 3 New York City contracts.)

TYPE OF Contract	ontract ENTITY				DATE COMPLETED		
Manager at enti	ty that hired ven	dor (Name/Phone No./E	mail)		<del></del>		
Total Contract Amount	\$	Total Amount Subcontracted \$		444-746-444-7			
Type of Work Subcontracted	14 . 1						
TYPE OF Contract		AGENCY/EN	  TITY		DATE COMPLETED		
Manager at agency/e	entity that hired	vendor (Name/Phone					
Total Contract Amount	\$	Total Amount Subcontracted \$	;				
Item of Work Subcontracted and Value of subcontract		Item of Work Subcontracted and Value of subcontract			Item of Work Subcontracted and Value of subcontract		
TYPE OF Contract		AGENCY/EN	ITITY		DATE COMPLETED		
Manager at enti	ty that hired ven	dor (Name/Phone No./E	mail)				
Total Contract Amount	\$	Total Amount Subcontracted \$	•				
Item of Work Subcontracted and Value of subcontract		Item of Work Subcontracted and Value of subcontract			Item of Work Subcontracted and Value of subcontract		
VENDOR CERTIFIC correct, and that this			nation supp	lied in support	t of this waiver request is true	and	
				Date:			
				Title:			
Shaded area below is				* * Se			
rdo 2ye <i>Ca H2F €</i> (S[dhainea				Date			
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# 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.

YES	$\checkmark$	NO

# (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: HWPLZ009Q

The bidder must submit a completed and signed Apprenticeship Program Questionnaire.

	Name of Bidder:				
1.	Does the bidder have an Appro	enticeship Program app	propriate for the typ	e and scope of work	to be performed?
			NO		( - ) · ]
2.	Has the bidder's Apprentices Commissioner of Labor?		egistered with, and	approved by, the	New York State
3.	Has the bidder's Apprentices opportunities?		ree years of succe	ssful experience in	providing caree
exper	e answer to Question #3 is "Y rience the Apprenticeship Progra s if necessary.	es", the bidder shall,	in the space below	w, provide informati ies. The bidder may	on regarding the attach additiona
			<del>, , , , , , , , , , , , , , , , , , , </del>		
Bidde	r:				
By:	(Signature of Partne	er or Corporate Officer	Title:		
Date:		1	, 		
CITY	OF NEW YORK		20		BID BOOKLET

Project ID.	Proje	ect 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:	Walter Control of the	-
DDC Project Number:		
Company Size: Ten (10)	employees or less	
Greater the	han ten (10) employees	
Company has previously worked for DDC	YES	NO
2. Type(s) of Construction Work		
TYPE OF WORK	LAST 3 YEARS	THIS PROJECT
General Building Construction	•	
Residential Building Construction		
Nonresidential Building Construction		*****
Heavy Construction, except building		
Highway and Street Construction		
Heavy Construction, except highways	-	
Plumbing, Heating, HVAC		
Painting and Paper Hanging		
Electrical Work		
Masonry, Stonework and Plastering		
Carpentry and Floor Work	drute	707-101
Roofing, Siding, and Sheet Metal	-	
Concrete Work		
Specialty Trade Contracting		<del></del>
Asbestos Abatement		
Other (specify)		
· ·		

# 3. Experience Modification Rate:

The Experience Modification Rate (EMR) is a rating generated by the National Council of Compensation Insurance (NCCI). This rating is used to determine the contractor's premium for worker's compensation insurance. The contractor may obtain its EMR by contacting its insurance broker or the NCCI. If the contractor cannot obtain its EMR, it must submit a written explanation as to why.

				Project ID
The Contractor mocontractors with le	ust indi ess thar	cate its <u>Intrastate</u> and <u>Interstate</u> three years of experience, the	EMR for the past EMR will be con	st three years. [Note: For asidered to be 1.00].
YEAR		<u>INTRA</u> STATE RATE		<u>INTER</u> STATE RATE
			-	
If the Intrastate a	and/or attach.	Interstate EMR for any of th	- e past three yea en explanation f	rs is greater than 1.00, the for the rating and identify
		was taken to correct the situa		
4. OSHA Inform	ation:			
YES	_NO	Contractor has received a will Department of Buildings (NY		ned by OSHA or New York City ne last three years.
YES	_NO		ncident requiring	A notification within 8 hours (all g OSHA notification within 24 ons, all amputations and all
employees, on a y	early bases".	and Health Act (OSHA) of 19' asis to complete and maintain α Γhis form is commonly referred	on file the form e	ntitled "Log of Work-related
The OSHA 300 L employees.	og mus	at be submitted for the last three	years for contra-	ctors with more than ten
The Contractor m payroll records fo		icate the total number of hours ast three years.	worked by its em	ployees, as reflected in
past three years. For each given yillnesses reporte	The year, to do not	Incident Rate is calculated in he total number of incidents	accordance with is the total number of the tot	ries (the Incident Rate) for the th the formula set forth below. mber of non-fatal injuries and presents the equivalent of 100
Incident Rate =			Number of Incide of Hours Worked	
YEAR		TOTAL NUMBERS OF HOURS EMPLOYEES	WORKED BY	INCIDENT RATE
	,	100		

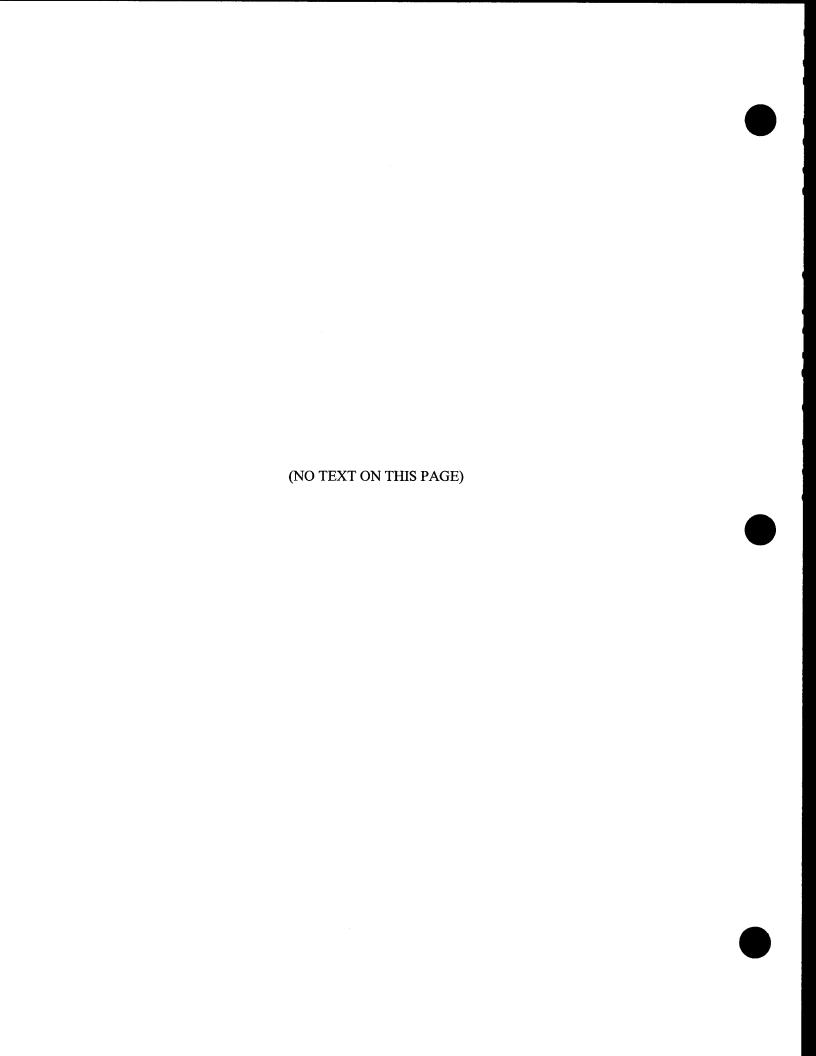
Project	ID.	

If the contractor's Incident Rate for any of the past three years is one point higher than the Incident Rate for the type of construction it performs (listed below), the contractor must attach, to this questionnaire, a written explanation for the relatively high rate.

General Building Construction	8.5
Residential Building Construction	7.0
Nonresidential Building Construction	10.2
Heavy Construction, except building	8.7
Highway and Street Construction	9.7
Heavy Construction, except highways	8.3
Plumbing, Heating, HVAC	11.3
Painting and Paper Hanging	6.9
Electrical Work	9.5
Masonry, Stonework and Plastering	10.5
Carpentry and Floor Work	12.2
Roofing, Siding, and Sheet Metal	10.3
Concrete Work	8.6
Specialty Trade Contracting	8.6

# 5. Safety Performance on Previous DDC Project(s)

YESNO	Contractor previously audited by the DDC Office of Site Safety.
	DDC Project Number(s):
YESNO	Accident on previous DDC Project(s).
	DDC Project Number(s):,
YESNO	Fatality or Life-altering Injury on DDC Project(s) within the last three years. [Examples of a life-altering injury include loss of limb, loss of a sense (e.g., sight, hearing), or loss of neurological function].
	DDC Project Number(s):
Date:	By:(Signature of Owner, Partner, Corporate Officer)
	Title:



### **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.

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

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**BID BOOKLET** 

# 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				

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BID BOOKLET DECEMBER 2013

# 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.

	 Т	<del></del> 1	T	·	
Architect/Engineer 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 Type					
Project & Location					

	N AND CONSTRUCTION
CITY OF NEW YORK	DEPARTMENT OF DESIGN

BID BOOKLET DECEMBER 2013

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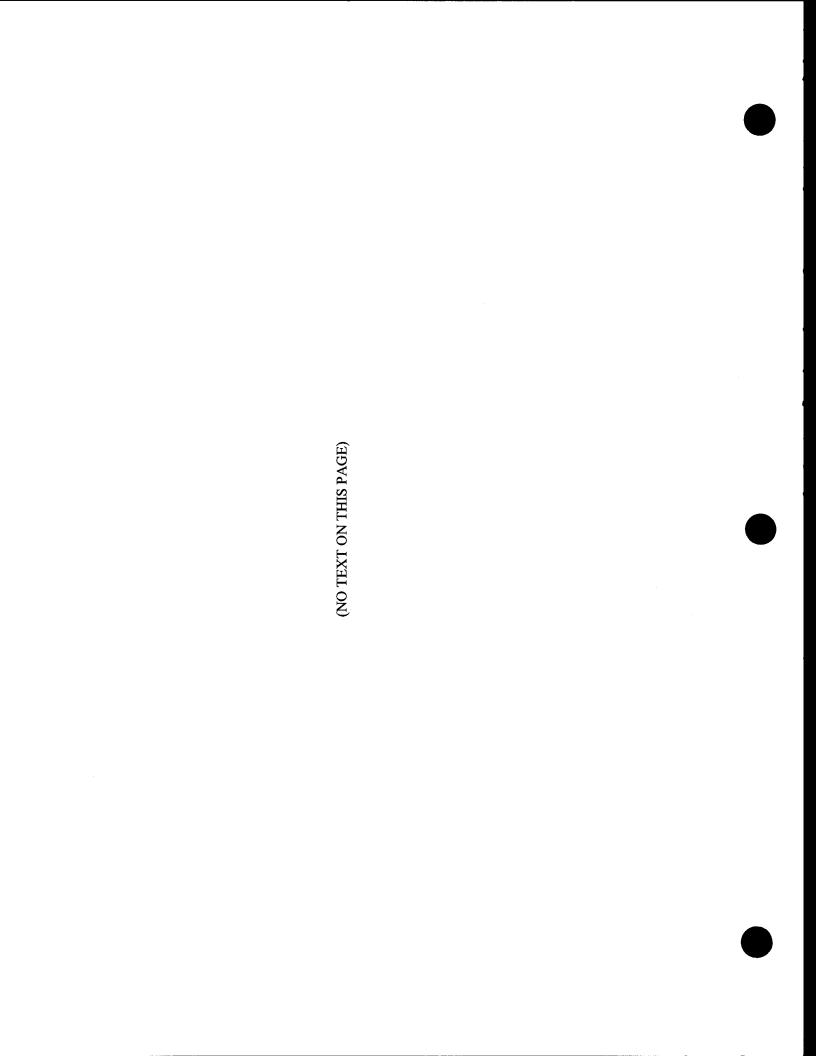
# PROJECT REFERENCES – PENDING CONTRACTS NOT YET STARTED BY THE BIDDER ن ن

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

	<del>,</del>	·		 	<del></del>
Architect/Engineer Reference & Tel. No. if different from owner					
Owner Reference & Tel. No.					
Date Scheduled to Start					
Contract Amount (\$000)					
Contract Type					
Project & Location					

CITY OF NEW YORK
DEPARTMENT OF DESIGN AND CONSTRUCTION

BID BOOKLET DECEMBER 2013

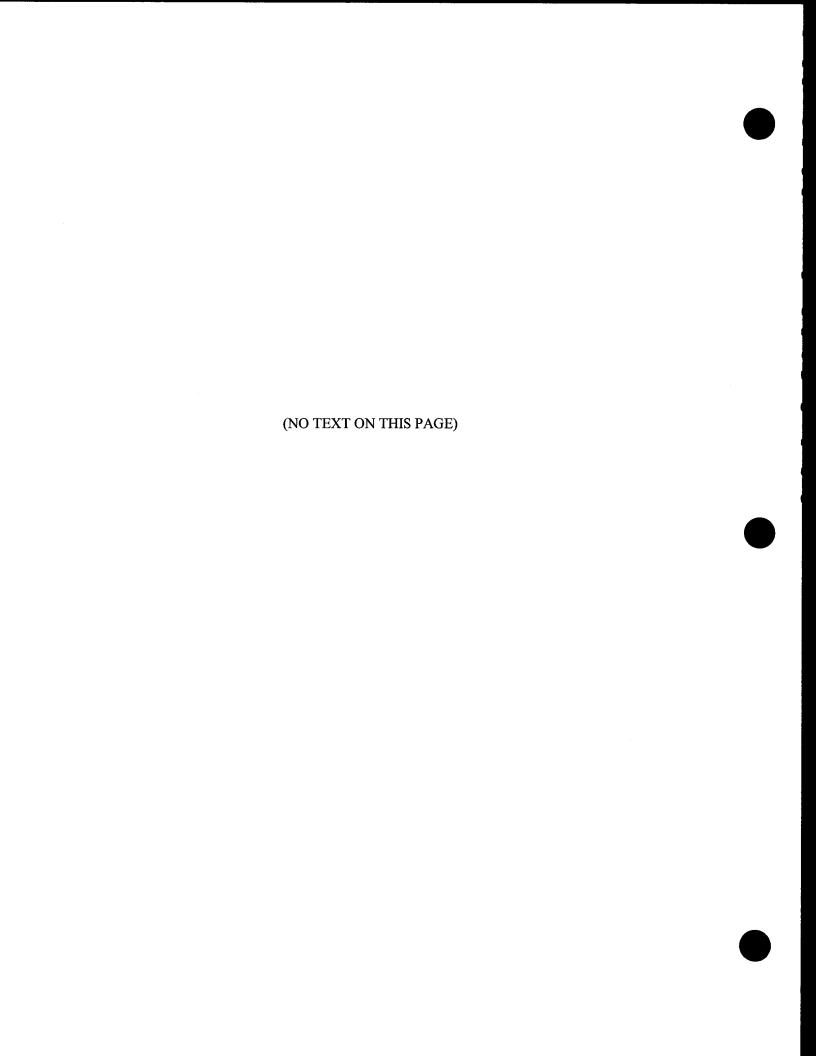


# OFFICE OF THE MAYOR BUREAU OF LABOR SERVICES CONTRACT CERTIFICATE

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

Contractor:		
Address:		
Telephone Number:		
Name and Title of Signatory:		NO
Contracting Agency or Owner:		
Project Number:	<del></del>	
Proposed Contract Amount:		
Description and Address of Proposed Con	tract:	
Names of Subcontractors in the amount of state indicating that trades will be subcont		contract (if not known at this time, s
I, (fill in name of person signing) hereby affirm that I am authorized by the		certify that said contractor's
proposed contract with the above-named of is made in accordance with Executive Ord	owner or city agency is less	s than \$1,000,000. This affirmation
Date	Sig	nature
WILLFUL OR FRAUDULENT FA SUBMITTED HEREWITH MAY RESULT		

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.



# **VENDEX COMPLIANCE**

- (A) Vendex Fees: Pursuant to Procurement Policy Board Rule 2-08(f)(2), the contractor will be charged a fee for the administration of the VENDEX system, including the Vendor Name Check process, if a Vendor Name Check review is required to be conducted by the Department of Investigation. The contractor shall also be required to pay the applicable required fees for any of its subcontractors for which Vendor Name Check reviews are required. The fee(s) will be deducted from payments made to the contractor under the contract. For contracts with an estimated value of less than or equal to \$1,000,000, the fee will be \$175 per Vendor Name Check review. For contracts with an estimated value of greater than \$1,000,000, the fee will be \$350 per Vendor Name Check review.
- **(B)** Confirmation of Vendex Compliance: The Bidder shall submit this Confirmation of Vendex Compliance to the Department of Design and Construction, Contracts Section, 30-30 Thomson Avenue First Floor, Long Island City, NY 11101.

**<u>Bid Information</u>**: The Bidder shall complete the bid information set forth below.

Name of Bidder:

	Bidder's Address:
	Bidder's Telephone Number:
	Bidder's Fax Number:
	Date of Bid Opening:
	PROJECT ID:
Vende either	ex Compliance: To demonstrate compliance with Vendex requirements, the Bidder shall complete Section (1) or Section (2) below, whichever applies.
(1)	
(1)	Submission of Vendex Questionnaires to MOCS: By signing in the space provided below, the
	Bidder certifies that as of the date specified below, the Bidder has submitted Vendex
	Questionnaires to the Mayor's Office of Contract Services, Attn: VENDEX, 253 Broadway, 9 <sup>th</sup> Floor, New York, New York 10007.
	Date of Submission:
	By:(Signature of Partner or corporate officer)
	(Signature of Partner or corporate officer)
	Print Name:
(2)	Submission of Certification of No Change to DDC:  By signing in the space provided below,
	the Bidder certifies that it has read the instructions in a "Vendor's Guide to Vendex" and that
	such instructions do not require the Bidder to submit Vendex Questionnaires. The Bidder has
	completed <b>TWO ORIGINALS</b> of the Certification of No Change set forth on the next page of this Bid Booklet.
	By:
	By: (Signature of Partner or corporate officer)
	Print Name:

(NO TEXT ON THIS PAGE)

# **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 fraudulently made in connection with this certification, and/or the failure to conduct appropriate due diligence 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 fraudulently made in connection with this certification may subject the person making the false statement to criminal charges



**Principal Questionnaire**This section refers to the most recent principal questionnaire submissions.

Principal Name	Date of signature on last full Principal Questionnaire	Date(s) of signature on submission of change
1		
2		
3		
4		
5		
6		
Check if additional changes were sub Certification This section is rethis form must be signed and notarize	equired.  The second and attach a document with the equired.  The second attach a document with the equired.  The second attach a document with the equired.	
Certified By:  Name (Print)		
, and		
Title		
Name of Submitting Entity		
Name of Submitting Entity  Signature		Date
		Date
Signature	County License Issued	Date License Number

# **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 fraudulently made in connection with this certification, and/or the failure to conduct appropriate due diligence 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 fraudulently made in connection with this certification may subject the person making the false statement to criminal charges

I,, being duly sworn, state that I have read
and understand all the items contained in the vendor questionnaire and any submission of change as identified on page one of this form and certify that as of this date, these items have not changed. I further certify that, to the best of my knowledge, information and belief, those answers are full, complete, and accurate; and that, to the best of my knowledge, information, and belief, those answers continue to be full, complete, and accurate.
In addition, I further certify on behalf of the submitting vendor that the information contained in the principal questionnaire(s) and any submission of change identified on page two of this form have not changed and have been verified and continue, to the best of my knowledge, to be full, complete and accurate.
I understand that the City of New York will rely on the information supplied in this certification as additional inducement to enter into a contract with the submitting entity.
Vendor Questionnaire This section is required.  This refers to the vendor questionnaire(s) submitted for the vendor doing business with the City.
Name of Submitting Entity:
Vendor's Address:
Vendor's EIN or TIN: Requesting Agency:
Are you submitting this Certification as a parent? (Please circle one) Yes No
Signature date on the last full vendor questionnaire signed for the submitting vendor:
Signature date on change submission for the submitting vendor:



**Principal Questionnaire**This section refers to the most recent principal questionnaire submissions.

	Principal Name	Date of signature on last full Principal Questionnaire	Date(s) of signature on submission of change
1			
2			
3			
4			
5			
6			
Check if	additional changes were su	bmitted and attach a document with the	adate of additional submissions
	By:	equired. zed. Please complete this twice. C	opies will not be accepted.
	•		
Title			
Name of	Submitting Entity		
Signatur	re ·		Date
Notarized	Ву:		
Notary F	Public	County License Issued	License Number
Sworn to	before me on:		
	Date		

# 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 <u>IRAN DIVESTMENT ACT</u>

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] **BIDDER'S CERTIFICATION** By submission of this bid or proposal, each bidder/proposer and each person signing on 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 its 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. I am unable to certify that my name and the name of the bidder/proposer does not appear on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the State Finance Law. I have attached a signed statement setting forth in detail why I cannot so certify. **SIGNATURE** PRINTED NAME TITLE Sworn to before me this day of\_\_\_\_\_, 20 **Notary Public** Dated:

# 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**

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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

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

# CONSTRUCTION EMPLOYMENT REPORT INSTRUCTIONS

# 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
Federal/Federally assisted	Prime and subcontractors	\$10,000 or greater	
	Prime contractor	\$1,000,000 or greater	Construction Employment Report
City and state funded	Outroot	\$750,000 or greater	]
	Subcontractor	Less than \$750,000	Less than \$750,000 Certificate (City/State Only)

# 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" certificate.

# 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:

- 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 7 – 11: Please provide the required contact information for your company. All contracts must have a designated Equal Employment Officer.

Question 12: If you are a subcontractor, you must state the name of the contractor for whom you are providing the construction services.

Question 13: Please provide the number of permanent employees in your company.

Question 14a-g: 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 15 – 18: 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 18:

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 19:

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 20a – 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. 20a, 20b, etc.)

Questions 21a – h: Inquires about the manner/methods by which you comply with the requirements of the Immigration Reform and Control Act of 1986 (IRCA).

Question 22: Inquires into where and how I-9 forms are maintained and stored.

Questions 23a – 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 24: Indicate the existence and location of all statements of your firm's Equal Employment Opportunity policy and attach a copy of each statement.

Question 25: Submit any current Affirmative Action Plan(s) created pursuant to Executive Order 11246.

Question 26: 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 27: If your employees have used the procedure in the last three (3) years, please submit an explanation in the format indicated below:

1. Number of complaint(s)

2. Nature of the complaint(s)

3. Position(s) of the complainant(s)

4. Was an investigation conducted?

4. Was an investigation conducted?

4. Was an investigation disposition y/N

Question 28:

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:

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

Question 29:

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 30:

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 trade *currently* 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**

1.	Your contractual relationship in this contract is:	Prime contractor_x_ Subcontractor	
1a.	Are M/WBE goals attached to this project? Yes	No	
2.	Please check one of the following if your firm would City of New York as a:	like information on how to certify with the	
	Minority Owned Business EnterpriseWomen Owned Business EnterpriseDisadvantaged Business Enterprise	Locally Based Business EnterpriseEmerging Business Enterprise	
2a.	If you are certified as an MBE, WBE, LBE, EBE or certified with?	DBE, what city/state agency are you Are you DBE certified? Yes No	
3.	Please indicate if you would like assistance from SBS in identifying certified M/WBEs for contracting opportunities: Yes No		
4.	Is this project subject to a project labor agreement?	Yes No	
5.	Are you a Union contractor? Yes No with	If yes, please list which local(s) you affiliated	
6.	Are you a Veteran owned company? Yes No		
PART	I: CONTRACTOR/SUBCONTRACTOR INFORMA	TION	
7.	Employer Identification Number or Federal Tax I.D.	Email Address	
8.	·-		
	Company Name		
9.	Company Address and Zip Code	· · · · · · · · · · · · · · · · · · ·	
10.			
	Chief Operating Officer	Telephone Number	
11.	Designated Equal Opportunity Compliance Officer (If same as Item #10, write "same")	Telephone Number	
12.			
	Name of Prime Contractor and Contact Person (If same as Item #8 write "same")		

13.	Number of employees in your company:	
14.	Contract information:	
	(a)	(b)
	(a) Contracting Agency (City Agency)	(b) Contract Amount
	(c) Procurement Identification Number (PIN)	(d)
	Procurement Identification Number (PIN)	(d) Contract Registration Number (CT#)
	(e) Projected Commencement Date	(f)
	Projected Commencement Date	(f) Projected Completion Date
	(g) Description and location of proposed contract	ot:
15.	Has your firm been reviewed by the Division of L and issued a Certificate of Approval? Yes N	
	If yes, attach a copy of certificate.	
16. Has DLS within the past month reviewed an Employment Report subrand issued a Conditional Certificate of Approval? Yes No		
	If yes, attach a copy of certificate.	
WI	OTE: DLS WILL NOT ISSUE A CONTINUED CER ITH THIS CONTRACT UNLESS THE REQUIRED INDITIONAL CERTIFICATES OF APPROVAL HA	CORRECTIVE ACTIONS IN PRIOR
17.	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:	
	Contract No:	
18.	Has your company in the past 36 months been a Labor, Office of Federal Contract Compliance Pro	udited by the United States Department of
	If yes,	

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	(a) Nan	ne and address of OFCCP office.				
(b) Was a Certificate of Equal Employment Compliance issued within the past 36 Yes No						
	if ye	es, attach a copy of such certificate.				
	(c) Wei	re any corrective actions required or agreed to? Yes No				
	lf y∈	es, attach a copy of such requirements or agreements.				
	(d) Were any deficiencies found? Yes No					
	lf y€	es, attach a copy of such findings.				
19. Is your company or its affiliates a member or members of an employers' trade as		company or its affiliates a member or members of an employers' trade association which ansible for negotiating collective bargaining agreements (CBA) which affect construction ng? Yes No				
	If yes, a	ttach a list of such associations and all applicable CBA's.				
PART	II: DOC	UMENTS REQUIRED				
20.	brochur	following policies or practices, attach the relevant documents (e.g., printed booklets, es, manuals, memoranda, etc.). If the policy(ies) are unwritten, attach a full explanation ractices. 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?				

(a) Prior to job offer	YesNo
(b) After a conditional job offer	Yes No
(c) After a job offer	Yes No
(d) Within the first three days on the job	Yes No
(e) To some applicants	Yes No
(f) To all applicants	Yes No
(g) To some employees	Yes No
(h) To all employees	Yes No
Explain where and how completed I-9 Form maintained and made accessible.	ns, with their supportive documentation, are
Does your firm or any of its collective barga medical examination? Yes No   If yes, is the medical examination given:	ining agreements require job applicants to take a
in you, 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 at	•
questionnaire forms and instructions utilized	for these examinations.
Do you have a written equal employment op	
Do you have a written equal employment on If yes, list the document(s) and page number Does the company have a current affirmative Minorities and Women Individuals with handicaps	oportunity (EEO) policy? Yes No er(s) where these written policies are located.
Do you have a written equal employment on If yes, list the document(s) and page number Does the company have a current affirmative Minorities and Women Individuals with handicaps Other. Please specify	poportunity (EEO) policy? Yes No er(s) where these written policies are located. ere action plan(s) (AAP)  ement(s) have an internal grievance procedure with
Do you have a written equal employment op  If yes, list the document(s) and page number  Does the company have a current affirmativ  Minorities and Women  Individuals with handicaps Other. Please specify  Does your firm or collective bargaining agree	poportunity (EEO) policy? Yes No er(s) where these written policies are located. ere action plan(s) (AAP)  ement(s) have an internal grievance procedure with

27.	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.
28.	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.
29.	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).
30.	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 understanding requirements, as contained in amended, and the implementing	with is true and complete to the being that compliance with New York Chapter 56 of the City Charter, Ex g Rules and Regulations, is a con	
Contractor's Name		
Name of person who prepared	this Employment Report	Title
Name of official authorized to s	gn on behalf of the contractor	Title
Telephone Number		
Signature of authorized official		Date
	abor Services reserves the right t	es in any given trade based on Chapter o request the contractor's workforce
	with the above mentioned required to the withholding of final paymer	
termination of the contract betw	s of any data or information subm een the City and the bidder or cor ve years. Further, such falsification	ntractor and in disapproval of future
Charter Chapter 56 of the City (		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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# CONTRACT BID INFORMATION: USE OF SUBCONTRACTORS/TRADES FORM A.

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If yes, complete the chart below. رز ا

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*			

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

**OWNERSHIP CODES** 

W: White

BlackH: HispanicA: AsianN: Native AmericanF: Female

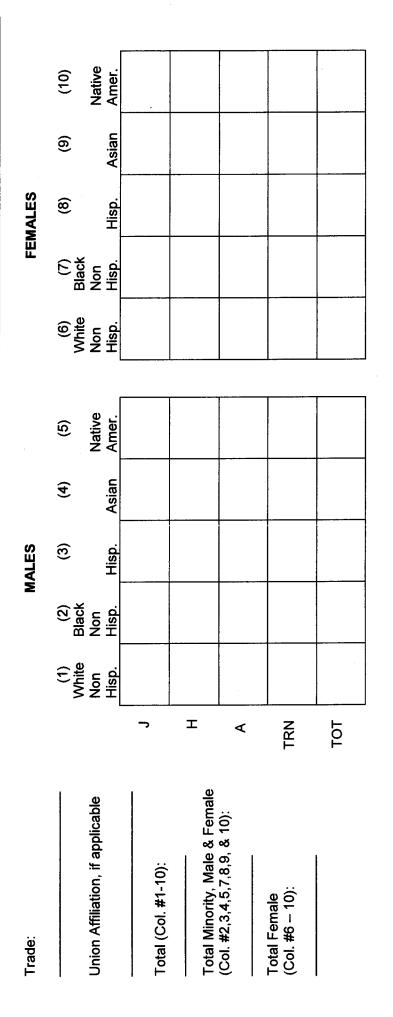
## FORM B: PROJECTED WORKFORCE

## 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 Males and Females by trade classification on this project, enter the projected workforce for 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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Trade:			Σ	MALES				뿐	FEMALES		
Union Affiliation, if applicable		(1) White Non	(2) Black Non	(3)	<b>(4)</b>	(5) Native	(6) White Non	(7) (8) Black Non	(8)	6)	(10) Native
		HISD.	HISD.	HISD.	Asian	Amer.	Hisb.	Hisb.	Hisb.	Asian	Amer.
Total (Col. #1-10):	7										
Total Minority, Male & Female	I										
(Col. #2,3,4,5,7,8,9, & 10):	∢					,					
Total Female (Col. #6 – 10):	TRN										
	101										
	-										

ity outreach)	
nter, commun	
ce, job tap cer	
ployment offic	
(i.e., unions, government employment office, job tap center, community outreach)?	
.e., unions, gc	
ected hires (i.	
s for you proj	
tment source	
What are the recruitment sources for you projected hires	
What	

## FORM C: CURRENT WORKFORCE

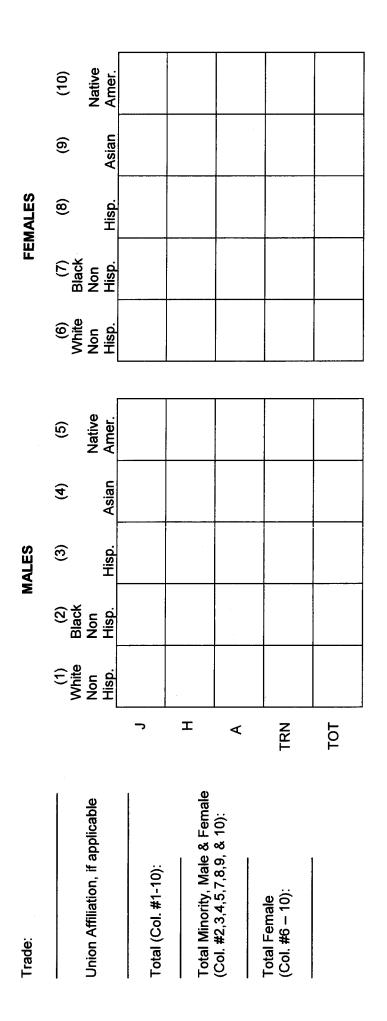
## TRADE CLASSIFICATION CODES

(J) Journeylevel Workers

(TOT) Total by Column

(A) Apprentice (TRN) Trainee

all work performed in New York City, enter the current workforce For each trade currently engaged by your company for 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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FORM C: CURRENT WORKFORCE

Trade:			<b>-</b>	MALES				H	FEMALES		
I noise Affilistion is senioristical		(1) White	(2) Black	(3)	4)	(2)	(6) White	(7) Black	(8)	6)	(10)
Onor Armator, ir applicable		Non Hisp.	Non Hisp.	Hisp.	Asian	Native Amer.	Non Hisp.	F	Hisp.	Asian	Native Amer.
Total (Col. #1-10):	7										
Total Minority, Male & Female	I		i i								
(Col. #2,3,4,5,7,8,9, & 10):	∢										
Total Female (Col. #6 – 10):	TRN										
	тот										
What are the recruitment courses from the recruitment of the recruitme						-					

Tor you projected hires (i.e., unions, government employment office, job tap center, community outreach)?

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### 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 would City of New York as a:	d like information on h	ow to certify with the
	Minority Owned Business EnterpriseWomen Owned Business EnterpriseDisadvantaged Business Enterprise		d Business Enterprise siness Enterprise
2a.	If you are certified as an MBE, WBE, LBE, EBE of certified with?	r <b>DBE</b> , what city/state _ Are you DBE certifi	agency are you ed? Yes No
3.	Please indicate if you would like assistance from S contracting opportunities: Yes No	BS in identifying certif	ied M/WBEs for
4.	Is this project subject to a project labor agreement	? Yes No	
5.	Are you a Union contractor? Yes No with	If yes, please list which	ch local(s) you affiliated
6.	Are you a Veteran owned company? Yes No	o	-
PAR	T I: CONTRACTOR/SUBCONTRACTOR INFORMA	TION	
7.			
	Employer Identification Number or Federal Tax I.D.		Email Address
8.	Company Name	•	
9.			
	Company Address and Zip Code		
10.	Chief Operating Officer	T-11	
11.	Office Operating Officer	Telephone Nu	ımber
11.	Designated Equal Opportunity Compliance Officer (If same as Item #10, write "same")	Telephone Nu	umber
12.			
	Name of Prime Contractor and Contact Person (If same as Item #8, write "same")		

13.	Number of employees in your company:	
14.	Contract information:	
	(a) Contracting Agency (City Agency)	(b) Contract Amount
	(c) Procurement Identification Number (PIN)	(d) Contract Registration Number (CT#)
	(e) Projected Commencement Date	(f) Projected Completion Date
	(g) Description and location of proposed contract	ct:
15.	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.	
16.	Has DLS within the past month reviewed an Em and issued a Conditional Certificate of Approval	ployment Report submission for your company? Yes No
	If yes, attach a copy of certificate.	
WI	TE: DLS WILL NOT ISSUE A CONTINUED CEITH THIS CONTRACT UNLESS THE REQUIRED NDITIONAL CERTIFICATES OF APPROVAL HA	CORRECTIVE ACTIONS IN PRIOR
17.	Has an Employment Report already been submitted Employment Report) for which you have not yet Yes No If yes,	itted for a different contract (not covered by this received compliance certificate?
	Agency to which submitted:  Name of Agency Person:  Contract No:	
18.	Telephone:  Has your company in the past 36 months been a Labor, Office of Federal Contract Compliance P If yes,	audited by the United States Department of

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	(a) Nam	e and address of OFCCP office.
		a Certificate of Equal Employment Compliance issued within the past 36 months? No
	If ye	s, attach a copy of such certificate.
	(c) Were	e any corrective actions required or agreed to? Yes No
	If ye	s, attach a copy of such requirements or agreements.
	(d) Wer	e any deficiencies found? Yes No
	If ye	s, attach a copy of such findings.
19.	is respo	company or its affiliates a member or members of an employers' trade association which nsible for negotiating collective bargaining agreements (CBA) which affect construction ng? Yes No
	If yes, a	ttach a list of such associations and all applicable CBA's.
PAR	TII: DOC	UMENTS REQUIRED
20.	brochur	following policies or practices, attach the relevant documents (e.g., printed booklets, es, manuals, memoranda, etc.). If the policy(ies) are unwritten, attach a full explanation ractices. 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?

21.	firm require the completion of an I-9 Form?	o Control A	ct of 1986 when <u>and of whom</u> does your
	(a) Prior to job offer	Yes	No
	(b) After a conditional job offer	Yes	No
	(c) After a job offer	Yes	No
	(d) Within the first three days on the job	Yes	No No
	(e) To some applicants	Yes	No No
	(f) To all applicants	Yes	No No
	(g) To some employees	Yes	No No
	(h) To all employees	Yes	No
22.	Explain where and how completed I-9 Form maintained and made accessible.	ns, with thei	ir supportive documentation, are
23.	Does your firm or any of its collective barga medical examination? Yes No	aining agree	ements require job applicants to take a
	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 No	
	( )		
	If yes, list for which applicants below and at questionnaire forms and instructions utilized	tach copies d for these e	of all medical examination or examinations.
24.	Do you have a written equal employment op	portunity (E	EEO) policy? Yes No
	If yes, list the document(s) and page number	er(s) where t	these written policies are located.
25.	Does the company have a current affirmative Minorities and Women Individuals with handicaps Other. Please specify		
26.	Does your firm or collective bargaining agree respect to EEO complaints? Yes No	ement(s) ha -	ave an internal grievance procedure with
	If yes, please attach a copy of this policy.		
	If no, attach a report detailing your firm's unv	written proce	edure for handling EEO complaints.

27.	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.
28.	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.
29.	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).
30.	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 understandir requirements, as contained in C amended, and the implementing	with is true and complete to the b ig that compliance with New Yor chapter 56 of the City Charter, E g Rules and Regulations, is a co	hereby certify that lest of my knowledge and belief and k City's equal employment eccutive Order No. 50 (1980), as intractual obligation. I also agree on ds to the Division of Labor Services on
Contractor's Name		
Name of person who prepared t	his Employment Report	Title
Name of official authorized to si	gn on behalf of the contractor	Title
Telephone Number		
Signature of authorized official		Date
	abor Services reserves the right	es in any given trade based on Chapter to request the contractor's workforce
Contractors who fail to comply v noncompliance may be subject		
	een the City and the bidder or co	nitted herewith may result in the ontractor and in disapproval of future ion may result in civil and/and or
	Charter and Executive Order No.	scharge of DLS' responsibilities under 50 (1980) and the implementing Rules shall be confidential.
	Only original signatures acc	epted.
Sworn to before me this	day of 20	<del></del>
Notary Public	Authorized Signature	Date

Page 6
Revised 8/13
FOR OFFICIAL USE ONLY: File No.\_\_\_\_\_\_

# 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. તં

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*			

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

OWNERSHIP CODES

W: White

B: Black H: Hispanic A: Asian N: Native American F: Female

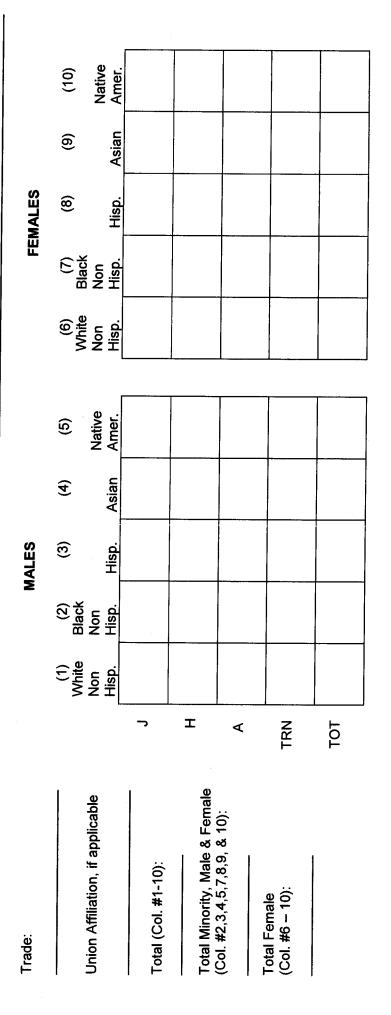
## FORM B: PROJECTED WORKFORCE

### TRADE CLASSIFICATION CODES

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

(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)?

USE ONLY: File No.

Revised 8/17 FOR OFF Page 9

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

## FORM C: CURRENT WORKFORCE

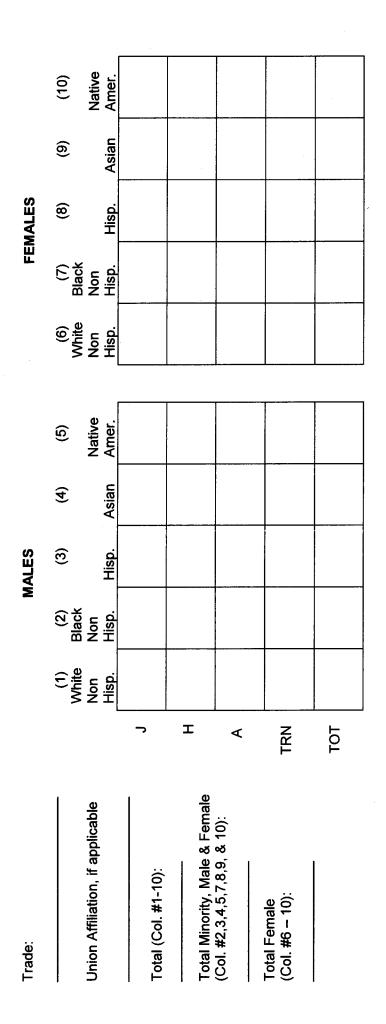
## TRADE CLASSIFICATION CODES

(J) Journeylevel Workers (H) Helper

(TOT) Total by Column

(A) Apprentice (TRN) Trainee

all work performed in New York City, enter the current workforce For each trade currently engaged by your company for 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)?

Revised 8/12 FOR OFF Page 11

USE ONLY: File No.

FORM C: CURRENT WORKFORCE

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

(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 Fax: (212) 618-8879

Date	File Number		
	LESS THAN \$750,000 SUE (CITY, STATE	BCONTRACT CERTIFICATE AND ICIP ONLY)	
Are you currently certified a	s one of the following? Please	check yes or no:	
MBE YesNo	WBE YesNo	LBE YesNo	
DBE YesNo	EBE Yes No		
If you are certified as an MB	E, WBE, LBE, EBE or DBE, w	nat city/state agency are you certified with?	
Please check one of the follo	owing if your firm would like info	ormation on how to certify with the City of New York as a	
Minority Owned Busines	s Enterprise	Locally based Business Enterprise	
Women Owned Busines	s Enterprise	Emerging Business Enterprise	
Disadvantaged Business	Enterprise		
Company Name		Employer Identification Number or Federal Tax I.D	
Company Address and Zip C	code		
Contact Person (First Name,	Last Name)	Telephone Number	
Fax Number		E-mail Address	
Description and location of p	roposed subcontract:		
Are you a Union contractor?	Yes No If yes, p	lease list which local(s) you affiliated with	
Are you a Veteran owned co	mpany? Yes No		
Procurement Identification No (City contracts only)	umber (PIN)	Contract Registration Number (CT#) (City contracts only)	

Revised 8/13

FOR OFFICIAL USE ONLY: File No.\_

Block and Lot Number (ICIP projects only)	Contract Amount	
above named owner or City age	ial signing)subcontractor's properties that said subcontractor's propercy is less than \$750,000. This affirmation is made in Drder No. 50 (1980) and the implementing Rules.	hereby certify that I am lossed contract with the laccordance with NYC
contract between the City and the	s of any data or information submitted herewith may rene bidder or contractor and in disapproval of future contains may result in civil and/and or criminal prosecution	ntracts for a period of up to
Signature of authorized official		Date
Sworn to before me this	Only original signatures accepted.	
Notary Public	Authorized Signature	Date



### INFRASTRUCTURE DIVISION BUREAU OF DESIGN

### VOLUME 1 OF 3

PROJECT ID: HWPLZ0090

RECONSTRUCTION OF

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto

BOROUGH OF QUEENS CITY OF NEW YORK

	Contractor.
Dated	. 20



Department of Design and Construction

### 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: HWPLZ009Q

**RECONSTRUCTION OF** 

71ST AVENUE PLAZA
(BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto

BOROUGH OF QUEENS CITY OF NEW YORK



FOR THE DEPARTMENT OF TRANSPORTATION PREPARED BY AKRF Engineering P.C., & HAZEN AND SAWYER

March 30, 2015



### 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

**DECEMBER 24, 2013** 

### **NOTICE TO BIDDERS**

Please be advised that the City of New York has issued a new Standard Construction Contract. The new Contract, which is incorporated in this bid, is significantly different from the 2008 version previously used by the City. A listing of some of the significant changes is provided below. This notice is only a partial listing. Please refer to the Contract itself for a full understanding of the changes and the actual text of the changes that were made. The text of the revised Standard Construction Contract is the controlling document should there be any discrepancies between this notice and the Standard Construction Contract.

Significant changes include the following:

### ARTICLE 11 DAMAGES CAUSED BY DELAYS

In 2008, the City embarked on a pilot project to test the use of new construction contract language altering the allocation of the risk of project delays, as between the City and the contractor. The City has determined to make the pilot project language the standard language for all City construction contracts. Accordingly, there is now one Standard City Construction Contract that it to be used by all agencies for all bids released after the release of the new contract. The damages for delay language is Article 11. Please note that changes have been made to the damages for delay provisions from the pilot to the adopted version.

### ARTICLE 22 INSURANCE

Changes have been made to the insurance provisions, including incorporating requirements that the insurance provided comply with recent NYC Department of Buildings regulations specifying required dollar limits for CGL insurance for certain projects and requiring proof of builder's risk insurance prior to Work commencing rather than within 10 days of award.

### ARTICLE 26 EXTRA WORK

The percentage paid for overhead for Extra Work pursuant to Section 26.1.11 is increased from 10% to 12% and the calculation of Worker's Compensation insurance costs reimbursed for Extra Work has been clarified.

ARTICLE 37

LABOR LAW REQUIREMENTS

**ARTICLE 38** 

PAYROLL REPORTS

The provisions governing Labor Law provisions have been tightened, including requirements the employee identification cards include a photo (unless the requirement is waived), a prohibition on cash payments to employees and subcontractors, and clear enforcement authority requirements.

### ARTICLE 70 ELECTRONIC FILING

A provision is added to make mandatory the electronic filing of certain alteration permits with the Department of Buildings.

### Other significant changes include the following:

### ARTICLE 7 INDEMNIFICATION

Changes have been made to the indemnification provisions.

ARTICLE14

FINAL ACCEPTANCE OF WORK

**ARTICLE 44** 

SUBSTANTIAL COMPLETION PAYMENT

The Commissioner is no longer required to issue a substantial completion determination in addition to the already existing requirement that the Engineer issue a substantial completion determination and reach an agreement on a punch list of remaining work. Now, the Engineer, when issuing the punch list to the Contractor, must also include a proposed schedule for the completion of the punch list. The Contractor may propose an alternative schedule that is subject to the approval of the Engineer. If the Contractor fails to respond to the Engineer's proposed schedule, the Engineer's schedule is deemed accepted.

### ARTICLE 15 LIQUIDATED DAMAGES

The contract is revised to match Schedule A to provide that liquidated damages are available only until substantial completion.

### ARTICLE 17 SUBCONTRACTS

The requirements for prior approval of subcontractors, and for contractors to be responsible for the actions of their subcontractors, have been tightened. The requirement that the Contractor list subcontractors in the City's Payee Information Portal has been added; the provision was previously attached as a rider.

### ARTICLE 19 SECURITY DEPOSIT

The provisions governing the return of bid deposits are clarified.

### ARTICLE 20 PAYMENT GUARANTEE

The Payment Guaranty provisions, which apply when the City does not require the Contractor to obtain payment bonds, has been significantly revised to track the requirements of State Finance law 137.

### ARTICLE 28 RECORDKEEPING FOR EXTRA OR DISPUTED WORK

The recordkeeping requirement that currently apply to payments for Time & Materials for extra work are expressly made applicable to regular work that is paid for on a T & M basis.

### ARTICLE 35 EMPLOYEES

The whistleblower provisions of local law are added to the construction contract. They previously have been attached as a rider.

### ARTICLE 38 PAYROLL REPORTS ARTICLE 77 RECORDS RETENTION

Requirements that records be maintained for six years and directions on how such records must be made available.

### ARTICLE 42 PARTIAL PAYMENTS

Increased flexibility has been provided for when contractors may submit invoices.

### ARTICLE 62 TAX EXEMPTION

The provisions identifying the State tax exemption for municipalities are revised to more clearly describe State law.

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### **CITY OF NEW YORK**

### DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURES

### **INFORMATION FOR BIDDERS**

**SEPTEMBER 2008** 

(NO TEXT ON THIS PAGE)

### 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

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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. Pre-Bid Conference

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. Bidder's Oath

- (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.

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# 11. <u>Irrevocability of Bid</u>

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. Bid Samples and Descriptive Literature

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. Bid Evaluation and Award

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.

Restriction: 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) <u>Mistakes Discovered Before Award</u>

- (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. Low Tie Bids

- (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) <u>Rejection of All Bids</u>: 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
  - (3) 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. <u>Right to Appeal Determinations of Non-Responsiveness or Non-Responsibility and Right to Protest Solicitations and Award</u>

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 www.nyc.gov/vendex. The bidder may also obtain Vendex forms and instructions by contacting the

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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.
  - 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.
  - (3) 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) <u>Performance and Payment Security</u>: 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) General: 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) Records: 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.
  - (3) Documentation of good faith efforts to achieve the required LBE percentage shall include as appropriate but not limited to the following:

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(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. Bid Submission Requirements

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. DDC Safety Requirements

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: POLICY ON SITE SAFETY

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

#### 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.

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.

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.

- 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 Oualified 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.

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

- 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.

- 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 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 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 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 or the Order to 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 and/or technical clarifications 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, or his/her duly authorized representative.

- 2.1.4 "Allowance" shall mean a sum of money which the Agency may include in the total amount of the Contract for such specific contingencies as the Agency believes may be necessary to complete the Work, e.g., lead or asbestos remediation, and for which the Contractor will be paid on the basis of stipulated unit prices or a formula set forth in the Contract or negotiated between the parties provided, however, that if the Contractor is not directed to use the Allowance, the Contractor shall have no right to such money and it shall be deducted from the total amount of the Contract.
- 2.1.5 "City" shall mean the City of New York.
- 2.1.6 "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, or his/her duly authorized representative.
- 2.1.7 "Commissioner" shall mean the head of the Agency that has entered into this Contract, or his/her duly authorized representative.
- 2.1.8 "Comptroller" shall mean the Comptroller of the City of New York.
- 2.1.9 "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.
- 2.1.10 "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.
- 2.1.11 "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.
- "Contractor" shall mean the entity which executed this Contract, whether a corporation, firm, partnership, joint venture, individual, or any combination thereof, and its, 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.
- 2.1.13 "Days" shall mean calendar days, except where otherwise specified.
- 2.1.14 "Engineer" or "Architect" or "Project Manager" shall mean the person so designated in writing by the Commissioner in the Notice to Proceed or the Order to Work to act as such in relation to this Contract, including a private Architect or Engineer or Project Manager, as the case may be. Subject to written approval by the Commissioner, the Engineer, Architect or Project Manager may designate an authorized representative.
- 2.1.15 "Engineering Audit Officer" (EAO) shall mean the person so designated by the Commissioner to perform responsible auditing functions hereunder.
- 2.1.16 "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.
- 2.1.17 "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.

- 2.1.18 "Final Acceptance" shall mean final written acceptance of all the Work by the Commissioner, a copy of which shall be sent to the Contractor.
- 2.1.19 "Final Approved Punch List" shall mean a list, approved pursuant to Article 14.2.2, specifying those items of Work to be completed by the Contractor after Substantial Completion and dates for the completion of each item of Work.
- 2.1.20 "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.
- 2.1.21 "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.
- 2.1.22 "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.
- 2.1.23 "Notice to Proceed" or "Order to Work" shall mean the written notice issued by the Commissioner specifying the time for commencement of the Work and the Engineer, Architect or Project Manager.
- 2.1.24 "Other Contractor(s)" shall mean any contractor (other than the entity which executed this Contract or its Subcontractors) who or which has a contract with the City for work on or adjacent to the building or Site of the Work.
- 2.1.25 "Payroll Taxes" shall mean State Unemployment Insurance (SUI), Federal Unemployment Insurance (FUI), and payments pursuant to the Federal Insurance Contributions Act (FICA).
- 2.1.26 "Project" shall mean the public improvement to which this Contract relates.
- 2.1.27 "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.
- 2.1.28 "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.
- 2.1.29 "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.
- 2.1.30 "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.
- 2.1.31 "Small Tools" shall mean items that are ordinarily required for a worker's job function, including but not limited to, equipment that ordinarily has no licensing, insurance

or substantive storage costs associated with it; such as circular and chain saws, impact drills, threaders, benders, wrenches, socket tools, etc.

- 2.1.32 "Specifications" shall mean all of the directions, requirements, and standards of performance applying to the Work as hereinafter detailed and designated under the Specifications.
- 2.1.33 "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, or superintendence, supervision and/or management at the Site. Wherever the word Subcontractor appears, it shall also mean sub-Subcontractor.
- 2.1.34 "Substantial Completion" shall mean the written determination by the Engineer that the Work required under this Contract is substantially, but not entirely, complete and the approval of the Final Approved Punch List.
- 2.1.35 "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 obtaining any and all permits, certifications and licenses as may be necessary and required to complete the Work, 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 City Department of Environmental Protection.
    - 5.3.2 The Contractor agrees to comply with Section 24-219 of the 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 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 City Department of Environmental Protection. In addition, the Contractor's certified Construction Noise Mitigation Plan is subject inspection by the City Department of Environmental Protection in accordance with Section 28-101 of Title 15 of RCNY. No Contract Work may take place at a Site 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 (50) 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 (65) 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 (15 ppm).

#### 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 (30 ppm) to fulfill the requirements of this Article 5.4.2, where the Commissioner of the 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 Agencies and Contractors. Any such determination shall expire after six (6) months unless renewed.
- 5.4.2(c) Contractors shall not be required to comply with this Article 5.4.2 where the City 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 (30 ppm) 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 (30 ppm) is available. Any finding made pursuant to this Article 5.4.2(c) shall expire after sixty (60) Days, at which time the requirements of this Article 5.4.2 shall be in full force and effect unless the City 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 City Agency letting this Contract.
- 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.

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#### 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 City 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 (3) 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 (20) **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)(i) Where the City 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 this Article 5.4.3 is unavailable for such vehicle, the Contractor shall use whatever technology for reducing the emission of pollutants, if any, is available and appropriate for such vehicle.
  - 5.4.3(d)(ii) 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, the 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)(iii) In determining which technology to use for the purposes of Articles 5.4.3(d)(i) and 5.4.3(d)(ii) above, the 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)(iv) The Contractor 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 City Agency letting this Contract. Any finding or waiver made or issued pursuant to Articles 5.4.3(d)(i) and 5.4.3(d)(ii) above shall expire after one hundred eighty (180) Days, at which time the requirements of Article 5.4.3(a) shall be in full force and effect unless the City 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. The Contractor 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) The 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 (\$1,000) and ten thousand (\$10,000) 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 (\$20,000) 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 City Agency the following information:
  - 5.4.6(a)(i) The total number of diesel-powered Nonroad Vehicles used to fulfill the requirements of this Public Works Contract;
  - 5.4.6(a)(ii) The number of such Nonroad Vehicles that were powered by Ultra Low Sulfur Diesel Fuel:
  - 5.4.6(a)(iii) 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(a)(iv) 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(a)(v) The locations where such Nonroad Vehicles were used; and

- 5.4.6(a)(vi) 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 (30 ppm).
- 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 during 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 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 (50) horsepower (HP) 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

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that this terms shall not apply to horticultural maintenance vehicles used for landscaping purposes that are powered by a Nonroad Engine of sixty-five (65) HP 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 (15 ppm).
- 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 HP rating of fifty (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.
- 5.7 Waste Treatment, Storage, and Disposal Facilities and Transporters. In connection with the Work, the Contractor and any Subcontractor shall use only those waste treatment, storage, and disposal facilities and waste transporters that possess the requisite license, permit or other governmental approval necessary to treat, store, dispose, or transport the waste, materials or hazardous substances.
- 5.8 Environmentally Preferable Purchasing. The Contractor shall ensure that products purchased or leased by the Contractor or any Subcontractor for the Work that are not specified by the City or are submitted as equivalents to a product specified by the City comply with the requirements of the New York City Environmentally Preferable Purchasing Program contained in Chapter 11 of Title 43 of the RCNY, pursuant to Chapter 3 of Title 6 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 all persons and the 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 also send written notice of any such event to all insurance carriers that issued potentially responsive policies (including commercial general liability insurance carriers for events relating to the Contractor's own employees) no later than twenty (20) days after such event and again no later than twenty (20) days after the initiation of any claim and/or action resulting therefrom. Such notice shall contain the following information: the number of the insurance policy, the name of the Named Insured, the date and location of the incident, and the identity of the persons injured or property damaged. For any policy on which the City and/or the Engineer, Architect, or Project Manager are Additional Insureds, such notice shall expressly specify that "this notice is being given on behalf of the City of New York as Additional Insured, such other Additional Insureds, as well as the Named Insured."
    - 7.3.2(a) Whenever such notice is sent under a policy on which the City is an Additional Insured, the Contractor shall provide copies of the notice to the Comptroller, the Commissioner and the City Corporation Counsel. The copy to the Comptroller shall be sent to the Insurance Unit, NYC Comptroller's Office, 1 Centre Street Room 1222, New York, New York, 10007. The copy to the Commissioner shall be sent to the address set forth in Schedule A of the General Conditions. The copy to the City Corporation Counsel shall be sent to Insurance Claims Specialist, Affirmative Litigation Division, New York City Law Department, 100 Church Street, New York, New York 10007.

- 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 defend, indemnify, and hold the City, its employees, and officials (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 provisions of this Article 7 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 the Work on the date specified in the Notice to Proceed or the Order to Work. The time for performance of the Work under the Contract shall be computed from the date specified in the Notice to Proceed or the Order to Work. 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 in this Contract, 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 or Order to Work, unless otherwise directed by the Engineer, shall submit to the Engineer a proposed progress schedule based on the Critical Path Method 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**, including the anticipated time for obtaining required approvals pursuant to Article 10; 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, at its sole cost and expense, 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 provide 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 as provided for in this Article 11, 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 being incurred, the Contractor shall submit to the Commissioner verified written statements of the details and the amounts of such damages, together with documentary evidence of such damages, ("statement of delay damages") as further detailed in Article 11.6. 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. On failure of the Contractor to strictly comply with all of 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.
- 11.1.3 Within 60 days of submission of the final verified statement of claims pursuant to Article 44, the Commissioner shall make a determination as to whether a compensable delay has occurred and, if so, the amount of compensation due the Contractor. Notwithstanding the above, the Commissioner may make a determination as to whether a compensable delay has occurred at any time after the Contractor's first submission of a statement of delay damages provided, however, that the amount of compensation due to the Contractor will not be determined until the Commissioner determines that the Work is delayed after the date set for substantial completion.
- 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.

### 11.4 Compensable Delays

- 11.4.1 The Contractor agrees to make claim only for additional costs attributable to delay in the performance of this Contract necessarily extending the time for completion of the Work or resulting from acceleration directed by the Commissioner and required to maintain the Project schedule, occasioned solely by any act or omission to act of the City listed below. The Contractor also agrees that delay from any other cause shall be compensated, if at all, solely by an extension of time to complete the performance of the Work.
  - 11.4.1.1 The failure of the City to take reasonable measures to coordinate and progress the Work, except that the City shall not be responsible for the Contractor's obligation to coordinate and progress the Work of its Subcontractors.
  - 11.4.1.2 Extended delays attributable to the City in the review or issuance of change orders, in shop drawing reviews and approvals or as a result of the cumulative impact of multiple change orders, which have a verifiable impact on **Project** costs.
  - 11.4.1.3 The unavailability of the Site for an extended period of time that significantly affects the scheduled completion of the Contract.

- 11.4.1.4 The issuance by the Engineer of a stop work order relative to a substantial portion of the Work for a period exceeding thirty (30) Days, that was not brought about through any action or omission of the Contractor.
- 11.4.1.5 Differing site conditions that were neither known nor reasonably ascertainable on a pre-bid inspection of the Site or review of the bid documents or other publicly available sources, and that are not ordinarily encountered in the **Project's** geographical area or neighborhood or in the type of **Work** to be performed.
- 11.4.1.6 Delays caused by the City's bad faith or its willful, malicious, or grossly negligent conduct;
- 11.4.1.7 Delays not contemplated by the parties;
- 11.4.1.8 Delays so unreasonable that they constitute an intentional abandonment of the Contract by the City; and
- 11.4.1.9 Delays resulting from the City's breach of a fundamental obligation of the Contract.
- 11.4.2 No claim may be made for any alleged delay in Substantial Completion of the Work by a date earlier than the date of Substantial Completion provided for in Schedule A unless there is a provision in the Contract providing for additional compensation for early completion. No claim may be made for any alleged delay in Substantial Completion of the Work if the work is substantially completed by the date of Substantial Completion provided for in Schedule A unless acceleration has been directed by the Commissioner to meet the date of Substantial Completion set forth in Schedule A.
- 11.4.3 The provisions of this Article 11 apply only to claims for additional costs attributable to delay and do not preclude determinations by the Commissioner allowing reimbursements for additional costs for Extra Work pursuant to Articles 25 and 26 of this Contract. To the extent that any cost attributable to delay is reimbursed as part of a change order, no additional claim for compensation under this Article 11 shall be allowed.
- 11.5 Non-Compensable Delays. The Contractor agrees to make no claim for, and is deemed to have included in its bid prices for the various items of the Contract, the extra/additional costs attributable to any delays caused by or attributable to the items set forth below. For such items, the Contractor shall be compensated, if at all, solely by an extension of time to complete the performance of the Work, in accordance with the provisions of Article 13. Such extensions of time will be granted, if at all, pursuant to the grounds set forth in Article 13.3.
  - 11.5.1 The acts or omissions of any third parties, including but not limited to Other Contractors, public/ governmental bodies (other than City Agencies), utilities or private enterprises, who are disclosed in the Contract Documents or are ordinarily encountered or generally recognized as related to the Work;
  - 11.5.2 Any situation which was within the contemplation of the parties at the time of entering into the Contract, including any delay indicated or disclosed in the Contract Documents or generally recognized as related to the nature of the Work, and/or the existence of any facility or appurtenance owned, operated or maintained by any third party, as indicated or disclosed in the Contract Documents or ordinarily encountered or generally recognized as related to the nature of the Work;
  - 11.5.3 Restraining orders, injunctions or judgments issued by a court which were caused by a Contractor's submission, action or inaction or by a Contractor's Means and Methods of

Construction, or by third parties, unless such order, injunction or judgment was the result of an action or omission by the City;

- 11.5.4 Any labor boycott, strike, picketing, lockout or similar situation;
- 11.5.5 Any shortages of supplies or materials, or unavailability of equipment, required by the Contract Work;
- 11.5.6 Climatic conditions, storms, floods, droughts, tidal waves, fires, hurricanes, earthquakes, landslides or other catastrophes or acts of God, or acts of war or of the public enemy or terrorist acts, including the City's reasonable responses thereto; and
- 11.5.7 Extra Work which does not significantly affect the overall completion of the Contract, reasonable delays in the review or issuance of change orders or field orders and/or in shop drawing reviews or approvals.
- 11.6 Required Content of Submission of Statement of Delay Damages
  - 11.6.1 In the verified written statement of delay damages required by Article 11.1.2, the following information shall be provided by the Contractor:
    - 11.6.1.1 For each delay, the start and end dates of the claimed periods of delay and, in addition, a description of the operations that were delayed, an explanation of how they were delayed, and the reasons for the delay, including identifying the applicable act or omission of the City listed in Article 11.4.
    - 11.6.1.2 A detailed factual statement of the claim providing all necessary dates, locations and items of Work affected by the claim.
    - 11.6.1.3 The amount of additional compensation sought and a breakdown of that amount into categories as described in Article 26.2, subject to the limitations set forth in Article 11.7.
    - 11.6.1.4 Any additional information requested by the Commissioner.

#### 11.7 Recoverable Costs

- 11.7.1 Delay damages may be recoverable for the following costs actually and necessarily incurred in the performance of the Work:
  - 11.7.1.1 Direct labor, including payroll taxes (subject to statutory wage caps) and supplemental benefits, based on time and materials records;
  - 11.7.1.2 Necessary materials (including transportation to the Site), based on time and material records;
  - 11.7.1.3 Reasonable rental value of necessary plant and equipment other than small tools, plus fuel/energy costs according to the applicable formula set forth in Articles 26.2.4 and/or 26.2.8, based on time and material records;
  - 11.7.1.4 Insurance and bond costs:
  - 11.7.1.5 Extended field office costs:
  - 11.7.1.6 Extended Site overhead; and
  - 11.7.1.7 Extended home office overhead.
- 11.7.2 Recoverable Subcontractor Costs. When the Work is performed by a Subcontractor, the Contractor may be paid the actual and necessary costs of such subcontracted Work as outlined above in Articles 11.7.1.1 through 11.7.1.6, and an

additional overhead of five (5%) percent of the costs outlined in Articles 11.7.1.1 through 11.7.1.3.

- 11.7.3 Non-Recoverable Costs. The parties agree that the City will have no liability for the following items and the Contractor agrees it shall make no claim for the following items:
  - 11.7.3.1Profit, or loss of anticipated or unanticipated profit;
  - 11.7.3.2Consequential 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 in investment, or any resulting insolvency;
  - 11.7.3.3 Indirect costs or expenses of any nature;
  - 11.7.3.4 Direct or indirect costs attributable to performance of Work where the Contractor, because of situations or conditions within its control, has not progressed the Work in a satisfactory manner; and
  - 11.7.3.5 Attorneys' fees and dispute and claims preparation expenses.
- 11.8 Determinations under this Article 11 are not subject to the jurisdiction of the Contract Dispute Resolution Board pursuant to the dispute resolution process set forth in Article 27.
- 11.9 If the parties agree, pursuant to Article 11.1.3 above, that a compensable delay has occurred and agree on the amount of compensation, payment may be made pursuant to a written change order. Payment pursuant to such change order is subject to pre-audit by the Engineering Audit Officer, and may be post-audited by the Comptroller and/or the Agency.

## 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 determines 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 CITY OF NEW YORK

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the City for any damages relating to or arising out of any directions issued by the Engineer pursuant to this Article 12 (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 the Contractor's failure to comply with the Engineer's directions 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 Other 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 action based upon such claim and if any judgment or claim (even if the allegations of the action 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 13 and the **PPB** Rules.
- 13.2 Any extension of time may be granted only by the ACCO 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 officials, agents or employees; or

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- 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 ACCO 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 ACCO 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 ACCO or the Board on an application for an extension of time shall be binding and conclusive on the Contractor.
- 13.6 The ACCO or the Board acting entirely within their discretion may grant an application for an extension of time for causes of delay other than those herein referred.
- 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 ACCO of the condition which allegedly has caused or is causing the delay, and shall submit a written application to the ACCO 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 total bid price;
      - 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 ACCO 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 ACCO 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 ACCO 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 ACCO, 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 City Corporation Counsel, and the Comptroller, or their authorized representatives.

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- 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, except as provided for in Article 11.

#### 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 below have been met.
  - 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 Approved Punch List and Date for Final Acceptance: Following inspection of the Work, the Engineer shall furnish the Contractor with a final punch list, specifying all items of Work to be completed and proposing dates for the completion of each specified item of Work. The Contractor shall then submit in writing to the Engineer within ten (10) Days of the Engineer furnishing the final punch list either acceptance of the dates or proposed alternative dates for the completion of each specified item of Work. If the Contractor proposes alternative dates, then, 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, the Engineer shall establish dates for the completion of each item of Work. If the Contractor neither accepts the dates nor proposes alternative dates within ten (10) Days, the schedule proposed by the Engineer shall be deemed accepted. The latest completion date specified shall be the date for Final Acceptance of the Work.
- 14.3 Date of Substantial Completion. The date of approval of the Final Approved Punch List, shall be the date of Substantial Completion. The date of approval of the Final Approved Punch List shall be either (a) if the Contractor approves the final punch list and proposed dates for completion furnished by the Engineer, the date of the Contractor's approval; or (b) if the Contractor neither accepts the dates nor proposes alternative dates, ten (10) Days after the Engineer furnishes the Contractor with a final punch list and proposed dates for completion; or (c) if the Contractor proposes alternative dates, the date that the Engineer sends written notification to the Contractor either approving the Contractor's proposed alternative dates or establishing dates for the completion for each item of Work.
- 14.4 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.

- 14.5 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.
- 14.6 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.
- 14.7 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 substantially complete the Work within the time fixed for such Substantial 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 substantially 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 Substantial 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 15 shall also apply to the Contractor whether or not the Contractor 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 Article 16. In the event the Commissioner takes over, uses, occupies, or operates any part of the Work:
  - 16.1.1 the Engineer 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; the proposed subcontract if requested by the Commissioner; 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 In addition to the requirements in Article 17.2, Contractor is required to list the Subcontractor in the web based Subcontractor Reporting System through the City's Payee Information Portal (PIP), available at <a href="https://www.nyc.gov/pip.">www.nyc.gov/pip.</a> For each Subcontractor listed, Contractor is required to provide the following information: maximum contract value, description of Subcontractor's Work, start and end date of the subcontract and identification of the Subcontractor's industry. 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.

Failure of the Contractor to list a Subcontractor and/or to report Subcontractor payments in a timely fashion may result in the Commissioner declaring the Contractor in default of the Contract and will 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. Article 15 shall govern the issue of liquidated damages.

<sup>&</sup>lt;sup>1</sup> In order to use the new system, a PIP account will be required. Detailed instructions on creating a PIP account and using the new system are also available at <a href="www.nyc.gov/pip">www.nyc.gov/pip</a>. Additional assistance with PIP may be obtained by emailing the Financial Information Services Agency Help Desk at <a href="pip@fisa.nyc.gov">pip@fisa.nyc.gov</a>.

- 17.4 If an approved **Subcontractor** elects to subcontract any portion of its subcontract, the proposed sub-subcontract shall be submitted in the same manner as directed above.
- 17.5 The Commissioner will notify the Contractor in writing whether the proposed Subcontractor is approved. If the proposed Subcontractor is not approved, the Contractor may submit another proposed Subcontractor unless the Contractor decides to do the Work. No Subcontractor shall be permitted to enter or perform any work on the Site unless approved.
- 17.6 Before entering into any subcontract hereunder, the Contractor shall provide the proposed Subcontractor with a complete copy of this document and inform the proposed 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.
- 17.7 Documents given to a prospective 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.
- 17.8 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.
- 17.9 If the Subcontractor fails to maintain the necessary facilities, skill, integrity, past experience, and financial resources (other than due to the Contractor's failure to make payments where required) to perform the Work in accordance with the terms and conditions of this Contract, the Contractor shall promptly notify the Commissioner and replace such Subcontractor with a newly approved Subcontractor in accordance with this Article 17.
- 17.10 The Contractor shall be responsible for ensuring that all Subcontractors performing Work at the Site maintain all insurance required by Law.
- 17.11 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:
  - 17.11.1 Payment to Subcontractors: The agreement between the Contractor and its Subcontractor 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.
  - 17.11.2 Prevailing Rate of Wages: The agreement between the Contractor and its Subcontractor shall include the prevailing wage rates and supplemental benefits to be paid in accordance with Labor Law Section 220.
  - 17.11.3 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 a Subcontractor in excess of fifty thousand (\$50,000) dollars 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.).

- 17.11.4 All requirements required pursuant to federal and/or state grant agreement(s), if applicable to the Work.
- 17.12 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 resolved.
- 17.13 On contracts where 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.
- 17.14 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, conveyance or other disposition of this Contract shall not be valid until filed in the office of the Commissioner and the Comptroller, 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, conveyance or other disposition, 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 GUARANTEE

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

- 19.1 If performance and payment bonds are required, the City shall retain the bid security to ensure that the successful bidder executes the Contract and furnishes the required payment and performance security within ten (10) Days after notice of the award of the Contract. If the successful bidder fails to execute the Contract and furnish the required payment and performance security, the City shall retain such bid security as set forth in the Information for Bidders. If the successful bidder executes the Contract and furnishes the required payment and performance security, the City shall return the bid security within a reasonable time after the furnishing of such bonds and execution of the Contract by the City.
- 19.2 If performance and payment bonds are not required, the bid security shall be retained by the City as security for the Contractor's faithful performance of the Contract. If partial payments are provided, the bid security will be returned to the Contractor after the sum retained under Article 21 equals the amount of the bid security, subject to other provisions of this Contract. If partial payments are not provided, the bid security will be released when final payment is certified by the City for payment.
- 19.3 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:
  - 19.3.1 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
    - 19.3.2 To indemnify the City against any and all claims.

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

- 20.1 On Contracts where one hundred (100%) percent performance bonds and payment bonds are executed, this Article 20 does not apply.
- 20.2 In the event the terms of this Contract do not require the Contractor to provide a payment bond or where the Contract does not requite a payment bond for one hundred (100%) percent of the Contract price, the City shall, in accordance with the terms of this Article 20, guarantee payment of all lawful claims 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 If the Contractor provides a payment bond for a value that is less than one hundred (100%) percent of the value of the Contract Work, the payment bond provided by the Contractor shall be primary (and non-contributing) to the payment guarantee provided under this Article 20.
- 20.3.2 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 Article 20.3.4 and 20.3.5.
- 20.3.3 Nothing in this Article 20 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.
- 20.3.4 Every person who has furnished labor or material, to the Contractor or to a Subcontractor of the Contractor, in the prosecution of the Work and who has not been paid in full therefor before the expiration of a period of ninety (90) Days after the date on which the last of the labor was performed or material was furnished by him/her for which the claim is made, shall have the right to sue on this payment guarantee in his/her own name for the amount, or the balance thereof, unpaid at the time of commencement of the action; provided, however, that a person having a direct contractual relationship with a Subcontractor of the Contractor but no contractual relationship express or implied with the Contractor shall not have a right of action upon the guarantee unless he/she shall have given written notice to the Contractor within one hundred twenty (120) Days from the date on which the last of the labor was performed or the last of the material was furnished, for which his/her claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the material was furnished or for whom the labor was performed. The notice shall be served by delivering the same personally to the Contractor or by mailing the same by registered mail, postage prepaid, in an envelope addressed to the Contractor at any place where it maintains an office or conducts its business; provided, however, that where such notice is actually received by the Contractor by other means, such notice shall be deemed sufficient.
- 20.3.5 Except as provided in Labor Law Section 220-g, no action on this payment guarantee shall be commenced after the expiration of the one-year limitations period set forth in Section 137(4)(b) of the State Finance Law.
- 20.3.6 The Contractor shall promptly forward to the City any notice or demand received pursuant to Article 20.3.4. The Contractor shall inform the City of any defenses to the notice or demand and shall forward to the City any documents the City requests concerning the notice or demand.
- 20.3.7 All demands made against the City by a beneficiary of this payment guarantee shall be presented to the Engineer along with all written documentation concerning the demand which the Engineer deems reasonably 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.

- 20.3.8 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.
- 20.3.9 No beneficiary shall be entitled to interest from the City, or to any other costs, including, but not limited to, attorneys' fees, except to the extent required by State Finance Law Section 137.
- 20.4 Upon the receipt by the City of a demand pursuant to this Article 20, 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.
  - 20.4.2In 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.
  - 20.4.3 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 claim or an action has been filed, the terms and conditions set forth in Article 23 shall apply. In the event a lien has been filed, the parties will be governed by the provisions of the Lien Law of the State of New York.
- 20.5 The provisions of this Article 20 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 20, 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 20 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 20 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 its 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 CITY OF NEW YORK

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to commence an action against the City on the payment guarantee provided by this Article 20 within the one-year limitations period set forth in Section 137(4)(b).

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

- 21.1 If this Contract requires one hundred (100%) percent 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 one hundred (100%) percent performance and payment security and if the price for which this Contract was awarded does not exceed one million (\$1,000,000) dollars, 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.
- 21.3 If this Contract does not require one hundred (100%) percent performance and payment security and if the price for which this Contract was awarded exceeds one million (\$1,000,000) dollars, 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: The Contractor shall procure 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 maintained 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), except for insurance required pursuant to Article 22.1.4, which may terminate upon Substantial Completion of the Contract. All insurance shall meet the requirements set forth in this Article 22. Wherever this Article requires that insurance coverage be "at least as broad" as a specified form (including all ISO forms), there is no obligation that the form itself be used, provided that the Contractor can demonstrate that the alternative form or endorsement contained in its policy provides coverage at least as broad as the specified form.
  - 22.1.1Commercial General Liability Insurance: The Contractor shall provide Commercial General Liability Insurance covering claims for property damage and/or bodily injury, including death, which may arise from any of the operations under this Contract. Coverage under this insurance shall be at least as broad as that provided by the latest edition of Insurance Services Office ("ISO") Form CG 0001. Such insurance shall be "occurrence" based rather than "claims-made" and 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; independent contractors; explosion, collapse and underground (XCU); construction means and methods; and incidental malpractice. Such insurance shall contain a "per project" aggregate limit, as specified in Schedule A, that applies separately to operations under this Contract.

- 22.1.1(a) Such Commercial General Liability Insurance shall name the City as an Additional Insured. Coverage for the City shall specifically include the City's officials and employees, be at least as broad as the latest edition of ISO Form CG 20 10 and provide completed operations coverage at least as broad as the latest edition of ISO Form CG 20 37.
- 22.1.1(b) Such Commercial General Liability Insurance shall name all other entities designated as additional insureds in Schedule A but only for claims arising from the Contractor's operations under this Contract, with coverage at least as broad as the latest edition of ISO Form CG 20 26.
- 22.1.1(c) If the Work requires a permit from the Department of Buildings pursuant to 1 RCNY Section 101-08, at <a href="http://www.nyc.gov/html/dob/downloads/rules/1">http://www.nyc.gov/html/dob/downloads/rules/1</a> RCNY 101-08. Department of Buildings pursuant to 1 RCNY Section 101-08. If the Work does not require such a permit, the minimum limits shall be those provided for in Schedule A.
- 22.1.1(d) If any of the Work includes repair of a waterborne vessel owned by or to be delivered to the City, such Commercial General Liability shall include, or be endorsed to include, Ship Repairer's Legal Liability Coverage to protect against, without limitation, liability arising from navigation of such vessels prior to delivery to and acceptance by the City.
- 22.1.2 Workers' Compensation Insurance, Employers' Liability Insurance, and Disability Benefits Insurance: The Contractor shall provide, and shall cause its Subcontractors to provide, Workers Compensation Insurance, Employers' Liability 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 employees, if any, for which the Laws require insurance only pursuant to Article 22.1.3).
- 22.1.3 United States Longshoremen's and Harbor Workers Act and/or Jones Act Insurance: If specified in Schedule A of the General Conditions or if required by Law, the Contractor shall provide 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.
- 22.1.4 Builders Risk Insurance: If specified in Schedule A of the General Conditions, the Contractor shall provide Builders Risk Insurance on a completed value form for the total value of the Work through Substantial Completion of the Work in its entirety. Such insurance shall be provided on an All Risk basis and include coverage, without limitation, for windstorm (including named windstorm), storm surge, flood and earth movement. Unless waived by the Commissioner, it shall include coverage for ordinance and law, demolition and increased costs of construction, debris removal, pollutant clean up and removal, and expediting costs. Such insurance shall cover, without limitation, (a) all buildings and/or structures involved in the Work, as well as temporary structures at the Site, and (b) any property that is intended to become a permanent part of such building or structure, whether such property is on the Site, in transit or in temporary storage. Policies shall name the Contractor as Named Insured and list the City as both an Additional Insured and a Loss Payee as its interest may appear.
  - 22.1.4(a) Policies of such insurance shall specify that, in the event a loss occurs at an occupied facility, occupancy of such facility is permitted without the consent of the issuing insurance company.

- 22.1.4(b) Such insurance may be provided through an Installation Floater, at the Contractor's option, if it otherwise conforms with the requirements of this Article 22.1.4.
- 22.1.5 Commercial Automobile Liability Insurance: The Contractor shall provide Commercial Automobile Liability Insurance for liability arising out of ownership, maintenance or use of any owned (if any), non-owned and hired vehicles to be used in connection with this Contract. Coverage shall be at least as broad as the latest edition of ISO Form CA0001. If vehicles 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.
- 22.1.6 Contractors Pollution Liability Insurance: If specified in Schedule A of the General Conditions, the Contractor shall maintain, or cause the Subcontractor doing such Work to maintain, Contractors Pollution Liability Insurance covering bodily injury and property damage. 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, action, or proceedings arising from the operations under this Contract. Such insurance shall be in the Contractor's name and list the City as an Additional Insured and any other entity specified in Schedule A. Coverage shall include, without limitation, (a) loss of use of damaged property or of property that has not been physically injured, (b) transportation, and (c) non-owned disposal sites.
  - 22.1.6(a) Coverage for the City as Additional Insured shall specifically include the City's officials and employees and be at least as broad as provided to the Contractor for this Project.
  - 22.1.6(b) If such insurance 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 (3) years from the time the Work under this Contract is completed.

#### 22.1.7 Marine Insurance:

22.1.7(a) Marine Protection and Indemnity Insurance: If specified in Schedule A of the General Conditions or if the Contractor engages in marine operations in the execution of any part of the Work, the Contractor shall maintain, or cause the Subcontractor doing such Work to maintain, Marine Protection and Indemnity Insurance with coverage at least as broad as Form SP-23. The insurance shall provide coverage for the Contractor or Subcontractor (whichever is doing this Work) and for the City (together with its officials and employees) and any other entity specified in Schedule A as an Additional Insured for bodily injury and property damage arising from marine operations under this Contract. Coverage shall include, without limitation, injury or death of crew members (if not fully provided through other insurance), removal of wreck, damage to piers, wharves and other fixed or floating objects and loss of or damage to any other vessel or craft, or to property on such other vessel or craft.

22.1.7(b) Hull and Machinery Insurance: If specified in Schedule A of the General Conditions or if the Contractor engages in marine operations in the execution of any part of the Work, the Contractor shall maintain, or cause the Subcontractor doing such Work to maintain, Hull and Machinery Insurance with coverage for the Contractor or Subcontractor (whichever is doing this Work) and for the City (together with its officials and employees) as Additional Insured at least as broad as the latest edition of American Institute Tug Form for all tugs used under this Contract and Collision Liability at least as broad as the latest edition of American Institute Hull Clauses.

22.1.7(c) Marine Pollution Liability Insurance: If specified in Schedule A of the General Conditions or if the Contractor engages in marine operations in the execution of any part of the Work, the Contractor shall maintain, or cause the Subcontractor doing such Work to maintain, Marine Pollution Liability Insurance covering itself (or the Subcontractor doing such Work) as Named Insured and the City (together with its officials and employees) and any other entity specified in Schedule A as an Additional Insured. Coverage shall be at least as broad as that provided by the latest edition of Water Quality Insurance Syndicate Form and include, without limitation, 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.

22.1.8 The Contractor shall provide such other types of insurance, at such minimum limits and with such conditions, as are specified in Schedule A of the General Conditions.

## 22.2 General Requirements for Insurance Coverage and 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 A, unless prior written approval is obtained from the City Corporation Counsel.
- 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 City 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 The Contractor may satisfy its insurance obligations under this Article 22 through primary policies or a combination of primary and excess/umbrella policies, so long as all policies provide the scope of coverage required herein.
- 22.2.6 Policies of insurance provided pursuant to this Article 22 shall be primary and non-contributing to any insurance or self-insurance maintained by the City.

#### 22.3 Proof of Insurance:

- 22.3.1 For all types of insurance required by Article 22.1 and Schedule A, except for insurance required by Articles 22.1.4 and 22.1.7, the Contractor shall file proof of insurance in accordance with this Article 22.3 within ten (10) Days of award. For insurance provided pursuant to Articles 22.1.4 and 22.1.7, proof shall be filed by a date specified by the Commissioner or ten (10) Days prior to the commencement of the portion of the Work covered by such policy, whichever is earlier.
- 22.3.2 For Workers' Compensation Insurance provided pursuant to Article 22.1.2, the Contractor shall submit one of the following forms: C-105.2 Certificate of Workers' Compensation Insurance; U-26.3 State Insurance Fund Certificate of Workers' Compensation Insurance; Request for WC/DB Exemption (Form CE-200); equivalent or successor forms used by the New York State Workers' Compensation Board; or other proof of insurance in a form acceptable to the Commissioner. For Disability Benefits Insurance provided pursuant to Article 22.1.2, the Contractor shall submit DB-120.1 Certificate Of Insurance Coverage Under The NYS Disability Benefits Law, Request for WC/DB Exemption (Form CE-200); equivalent or successor forms used by the New York State Workers' Compensation Board; or other proof of insurance in a form acceptable to the Commissioner. ACORD forms are not acceptable.
- 22.3.3 For policies provided pursuant to all of Article 22.1 other than Article 22.1.2, the Contractor shall submit one or more Certificates of Insurance on forms acceptable to the Commissioner. All such Certificates of Insurance shall certify (a) the issuance and effectiveness of such policies of insurance, each with the specified minimum limits (b) for insurance secured pursuant to Article 22.1.1 that the City and any other entity specified in Schedule A is an Additional Insured with coverage at least as broad as the most recent edition of ISO Forms CG 20 10, CG 20 37, and CG 20 26, as applicable; (c) in the event insurance is required pursuant to Article 22.1.6 and/or Article 22.1.7, that the City is an Additional Insured thereunder; (d) the company code issued to the insurance company by the National Association of Insurance Commissioners (the NAIC number); and (e) the number assigned to the Contract by the City. All such Certificates of Insurance shall be accompanied by either a duly executed "Certification by Broker" in the form contained in Part III of Schedule A or copies of all policies referenced in such Certificate of Insurance as certified by an authorized representative of the issuing insurance carrier. If any policy is not available at the time of submission, certified binders may be submitted until such time as the policy is available, at which time a certified copy of the policy shall be submitted.
- 22.3.4 Documentation confirming renewals of insurance shall be submitted to the **Commissioner** prior to the expiration date of coverage of policies required under this **Contract**. Such proofs of insurance shall comply with the requirements of Articles 22.3.2 and 22.3.3.
- 22.3.5 The Contractor shall be obligated to provide the City with a copy of any policy of insurance provided pursuant to this Article 22 upon the demand for such policy by the Commissioner or the City Corporation Counsel.

### 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 does not excuse the Contractor from securing insurance

consistent with all provisions of this Article 22 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.
- 22.4.4 In the event the Contractor receives notice, from an insurance company or other person, that any insurance policy required under this Article 22 shall be cancelled or terminated (or has been cancelled or terminated) for any reason, the Contractor shall immediately forward a copy of such notice to both the Commissioner and the New York City Comptroller, attn: Office of Contract Administration, Municipal Building, One Centre Street, room 1005, New York, New York 10007. Notwithstanding the foregoing, the Contractor shall ensure that there is no interruption in any of the insurance coverage required under this Article 22.
- 22.4.5 Where notice of loss, damage, occurrence, accident, claim or suit is required under an insurance policy maintained in accordance with this Article 22, the Contractor shall notify in writing all insurance carriers that issued potentially responsive policies of any such event relating to any operations under this Contract (including notice to Commercial General Liability insurance carriers for events relating to the Contractor's own employees) no later than 20 days after such event. For any policy where the City is an Additional Insured, such notice shall expressly specify that "this notice is being given on behalf of the City of New York as Insured as well as the Named Insured." Such notice shall also contain the following information: the number of the insurance policy, the name of the named insured, the date and location of the damage, occurrence, or accident, and the identity of the persons or things injured, damaged or lost. The Contractor shall simultaneously send a copy of such notice to the City of New York c/o Insurance Claims Specialist, Affirmative Litigation Division, New York City Law Department, 100 Church Street, New York, New York 10007.
- 22.4.6 In the event of any loss, accident, claim, action, or other event that does or can give rise to a claim under any insurance policy required under this Article 22, the Contractor shall at all times fully cooperate with the City with regard to such potential or actual claim.
- 22.5 Subcontractor Insurance: In the event the Contractor requires any Subcontractor to procure insurance with regard to any operations under this Contract and requires such Subcontractor to name the Contractor as an Additional Insured thereunder, the Contractor shall ensure that the Subcontractor name the City, including its officials and employees, as an Additional Insured with coverage at least as broad as the most recent edition of ISO Form CG 20 26.
- 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 Apart from damages or losses covered by insurance provided pursuant to Articles 22.1.2, 22.1.3, or 22.1.5, the Contractor waives all rights against the City, including its officials and employees, for any damages or losses that are covered under any insurance required under this Article 22 (whether or not such insurance is actually procured or claims are paid thereunder) or any other insurance applicable to the operations of the Contractor and/or its employees, agents, or Subcontractors.
- 22.8 In the event the Contractor utilizes a self-insurance program to satisfy any of the requirements of this Article 22, the Contractor shall ensure that any such self-insurance program provides the City with all rights that would be provided by traditional insurance under this Article 22, including but not limited to the defense and indemnification obligations that insurers are required to undertake in liability policies.
- 22.9 Materiality/Non-Waiver: The Contractor's failure to secure policies in complete conformity with this Article 22, or to give an insurance company timely notice of any sort required in this Contract or to do anything else required by this Article 22 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.
- 22.10 Pursuant to General Municipal Law Section 108, this Contract shall be void and of no effect unless Contractor maintains Workers' Compensation Insurance for the term of this Contract to the extent required and in compliance with the New York State Workers' Compensation Law.
- 22.11 Other Remedies: Insurance coverage provided pursuant to this Article 22 or otherwise shall not relieve the Contractor of any liability under this Contract, nor shall it preclude the City from exercising any rights or taking such other actions 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 23, and return the balance, if any, without interest, to the Contractor.

#### 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 guaranty are provided for in Schedule A.
- 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 of such equipment and materials or lessees of the premises into which the equipment and materials have been installed.

### 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 Law 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 Agency.

# 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.
  - 26.1.1For 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.
  - 26.1.2If 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 the basis of time and material records 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 based on time and material records 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, calculated in accordance with the formula specified therein, if any.
  - 26.2.1 Necessary materials (including transportation to the Site); plus
  - 26.2.2 Necessary direct labor, including payroll taxes (subject to statutory wage caps) 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 (or Subcontractor-owned, as 26.2.4 applicable), 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 Equipment Watch (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 Equipment Watch (the "Blue Book") (the applicable Blue Book rate being for rental only without the addition of any operational costs listed in the Blue Book). The reasonable rental value is deemed to be 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 (75%) percent of such rental rates; second shift shall be sixty (60%) percent of the first shift rate; and third shift shall be forty (40%) percent of the first shift rate. Equipment on standby shall be reimbursed at one-third (1/3) the prorated monthly rental rate. Contractor-owned (or Subcontractor-owned, as applicable) equipment includes equipment from rental companies affiliated with or controlled by the Contractor (or Subcontractor, as applicable), as determined by the Commissioner. In establishing cost reimbursement for non-operating Contractor-owned (or Subcontractor-owned, as applicable) 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 (or non-Subcontractor-owned, as applicable) 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 Necessary fees charged by governmental entities; plus

- 26.2.7 Necessary construction-related service fees charged by non-governmental entities, such as landfill tipping fees; plus
- 26.2.8 Reasonable rental costs of non-Contractor-owned (or non-Subcontractor-owned, as applicable) 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
- Workers' Compensation Insurance, and any insurance coverage expressly 26.2.9 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 is subject to applicable payroll limitation caps and shall be based upon the carrier's Manual Rate for such insurance derived from the applicable class Loss Cost ("LC") and carrier's Lost Cost Multiplier ("LCM") approved by the New York State Department of Financial Services, and with the exception of experience rating, rate modifiers as promulgated by the New York Compensation Insurance Rating Board ("NYCIRB"); plus
- 26.2.10 Additional costs incurred as a result of the Extra Work for performance and payment bonds; plus
- 26.2.11 Twelve percent (12%) 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
- 26.2.12 Ten (10%) percent of the total of items in Articles 26.2.1 through 26.2.5, plus the items in Article 26.2.11, 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
- 26.2.13 Five (5%) percent of the total of items in Articles 26.2.6 through 26.2.10 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.
- 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 CITY OF NEW YORK 39

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 27.1 that arise under, or by virtue of, this Contract shall be finally resolved in accordance with the provisions of this Article 27 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 27 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 27 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 27 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 27 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 27, 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

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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 dispute 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 Other Contractor thus brought into the dispute resolution proceeding shall have the same rights and obligations under this Article 27 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's 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 27. 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 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 Sections 7-201 and 7-203 of the 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 this 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 27 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;
  - 27.6.2 The 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
  - 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 27, 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 CITY OF NEW YORK
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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 City 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 City 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 City 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 City 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 shall only resolve matters before 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 City Corporation Counsel, the CCPO, 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 Law 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.

27.8 Any termination, cancellation, or alleged breach of the Contract prior to or during the pendency of any proceedings pursuant to this Article 27 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 27.

## ARTICLE 28. RECORD KEEPING FOR EXTRA OR DISPUTED WORK OR WORK ON A TIME & MATERIALS BASIS

- 28.1 While the Contractor or any of its Subcontractors is performing Work on a time and material basis or Extra Work on a time and material basis ordered by the Commissioner under Article 25, or where the Contractor believes that it or any of its Subcontractors is performing Extra Work but a final determination by Agency has not been made, or the Contractor or any of its Subcontractors is performing disputed Work (whether on or off the Site), or complying with a determination or order under protest in accordance with Articles 11, 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, trade, 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 CITY OF NEW YORK

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respect to such Extra Work 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.

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### **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 strictly 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.

- 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, and 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 30, 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, and 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 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 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.
- 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 30 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 pursuant 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, official, 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 Engineer, the Resident Engineer, or any other official, 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:

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- 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 STANDARD CONSTRUCTION CONTRACT CITY OF NEW YORK 48 December 2013

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 (\$250,000) 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 (10) hours in duration.
- 35.3 In accordance with Local Law Nos. 30-2012 and 33-2012, codified at sections 6-132 and 12-113 of the Administrative Code, respectively,
  - 35.3.1 The 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 (a) the Commissioner of the Department of Investigation, (b) a member of the New York City Council, the Public Advocate, or the Comptroller, or (c) the CCPO, ACCO, Agency head, or Commissioner.
  - 35.3.2 If any of the Contractor's officers or employees believes that he or she has been the subject of an adverse personnel action in violation of Article 35.3.1, he or she shall be entitled to bring a cause of action against the Contractor to recover all relief necessary to make him or her whole. Such relief may include but is not limited to: (a) an injunction to restrain continued retaliation, (b) reinstatement to the position such employee would have had but for the retaliation or to an equivalent position, (c) reinstatement of full fringe benefits and seniority rights, (d) payment of two times back pay, plus interest, and (e) compensation for any special damages sustained as a result of the retaliation, including litigation costs and reasonable attorney's fees.
  - 35.3.3 The 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:
    - 35.3.3(a) 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
    - 35.3.3(b) the rights and remedies afforded to its employees under 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.

- 35.3.4 For the purposes of this Article 35.3, "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.
- 35.3.5 This Article 35.3 is applicable to all of the Contractor's Subcontractors having subcontracts with a value in excess of \$100,000; accordingly, the Contractor shall include this rider in all subcontracts with a value a value in excess of \$100,000.
- 35.4 Article 35.3 is not applicable to this Contract if it is valued at \$100,000 or less. Articles 35.3.1, 35.3.2, 35.3.4, and 35.3.5 are not applicable to this Contract if it was solicited pursuant to a finding of an emergency.

### 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.
  - 36.1.5 This Article 36 covers all construction, alteration and repair of any public building or public work occurring in the State of New York and the manufacture, sale, and distribution of materials, equipment, and supplies to the extent that such operations are performed within the State of New York pursuant to this Contract.
- 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 Article 36.2 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, before the award of the Contract, all information and reports, including an employment report, that are required by E.O. 50, the rules and regulations promulgated thereunder, and orders of the City 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.

In addition to any actions taken under this Contract, failure to comply with E.O. 50 and the rules and regulations promulgated thereunder, in one or more instances, may result in a City Agency declaring the Contractor to be non-responsible in future procurements. 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 8 of the Administrative Code; and
  - 36.5.2 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 Sections 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) 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

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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**.
- 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 37.3.
- 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 prevailing wage scale as provided in Labor Law section 220, as amended, or

- 37.4.1(b) 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) or minimum wages (Article 37.2.6) provisions, the party responsible therefor 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 actions brought by the City Corporation Counsel in the name of the City, in addition to damages for any other breach of this Contract, for 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 37.4 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 37.4 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 37.4, whether such failures were concurrent or consecutive and whether or not such final determinations concerning separate public works projects are rendered simultaneously, such Contractor or Subcontractor shall be ineligible to submit a bid on or be awarded any public works 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 works 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 37.4 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 works 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 (\$250,000) dollars, such notice shall also include a statement that each worker, laborer or mechanic must 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 (10) 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 37.6.3, which signed statement shall be maintained with the payroll records required by this Contract; and

- 37.6.3(a) 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: The Contractor shall provide laminated identification badges which include a photograph of the worker's, laborer's or mechanic's face and indicate the worker's, laborer's or mechanic's name, trade, employer's name, and employment starting date (month/day/year). Further, the Contractor shall 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. The Commissioner may grant a written waiver from the requirement that the laminated identification badge include a photograph if the Contractor demonstrates that the identity of an individual wearing a laminated identification badge can be easily verified by another method; 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 described in Article 37.6.1 in that language or languages as may be required. The Contractor is responsible for all distributions under this 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 The Contractor and Subcontractor(s) shall pay employees by check or direct deposit. If this Contract is for an amount greater than one million (\$1,000,000) dollars, checks issued by the Contractor 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). For any subcontract for an amount greater than seven hundred fifty thousand (\$750,000) dollars, 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 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. The failure of the Contractor or Subcontractor(s) to comply with the provisions of this Article 37.7 may result in the Commissioner declaring the Contractor in default and/or the withholding of payments otherwise due under the Contract.
- 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 CITY OF NEW YORK

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Labor Law Section 220-h set forth in Article 35.2. This certification of compliance 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 from 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 and its Subcontractor(s) shall maintain on the Site during the performance of the Work the original payrolls or transcripts thereof which the Contractor and its Subcontractor(s) are required to maintain and shall submit such original payrolls or transcripts, subscribed and affirmed by it as true, within thirty (30) Days after issuance of its first payroll, and every thirty (30) Days thereafter, pursuant to Labor Law Section 220(3-a)(a)(iii). The Contractor and Subcontractor(s) shall submit such original payrolls or transcripts along with each and every payment requisition. If payment requisitions are not submitted at least once a month, the Contractor and its Subcontractor(s) shall submit original payrolls and transcripts both along with its payment requisitions and independently of its payment requisitions.
- 38.2 The Contractor shall maintain payrolls or transcripts thereof for six (6) years from the date of completion of the Work on this Contract. If such payrolls and transcripts are maintained outside of New York City after the completion of the Work and their production is required pursuant to this Article 38, the Contractor shall produce such records in New York City upon request by the City.
- 38.3 The Contractor and Subcontractor(s) shall comply with any written order, direction, or request made by the Engineer, the Commissioner, the ACCO, the Agency EAO, the Agency Labor Law Investigator(s), or the Comptroller, to provide to the requesting party any of the following information and/or records within five (5) Days of such written order, direction, or request:
  - 38.3.1 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; and/or
  - 38.3.2 Attendance sheets for each **Day** on which any employee of the **Contractor** and/or any of the **Subcontractor(s)** performed **Work** on the **Site**, which attendance sheet shall be in a form acceptable to the **Agency** and shall provide information acceptable to the **Agency** to identify each such employee; and/or
  - 38.3.3 Any other information to satisfy the Engineer, the Commissioner, the ACCO, the Agency EAO, the Agency Labor Law Investigator(s) or the Comptroller, that this Chapter VIII and the Labor Law, as to the hours of employment and prevailing rates of wages and/or supplemental benefits, are being observed.
- 38.4 The failure of the Contractor or Subcontractor(s) to comply with the provisions of Articles 38.1 and/or 38.2 may result in the Commissioner declaring the Contractor in default and/or the withholding of payments otherwise due under the Contract.

## **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 voidable at the sole discretion of the City.

## 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 for 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 or Order to Work, 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 each calendar month (except where the Commissioner approves in writing the submission of invoices on a more frequent basis and for invoices relating to Work performed pursuant to a change order), 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 a satisfactory payment application, and within sixty (60) **Days** after receipt of a satisfactory payment application in relation to **Work** performed pursuant to a change order, 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 the **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(s) 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 this Article 43.5, then the Contractor shall pay interest on amounts due to such Subcontractor or Materialman at the 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 New York General Business Law. Accrual of interest shall commence on the Day immediately following the expiration of the seventh Day following receipt of payment by the Contractor from 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 Materialmen 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 The Contractor shall submit with the Substantial Completion requisition:
  - 44.1.1 A final verified statement of any pending Article 27 disputes in accordance with the **PPB** Rules and this **Contract** and any and all alleged claims against the **City**, 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.

44.1.1(a) With respect to each such claim, the Commissioner, the Comptroller and, in the event of litigation, the City Corporation Counsel 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 44.1.1(a) 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 44, will have waived any such claims.

### 44.1.2 A Final Approved Punch List.

- 44.1.3 Where required, a request for an extension of time to achieve Substantial Completion or final extension of time.
- 44.2 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 44 where the Contractor failed 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.
- 44.3 No further partial payments shall be made to the Contractor after Substantial Completion, except the Substantial Completion payment and payment pursuant to any 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.
- 44.4 The Contractor acknowledges that nothing contained in this Article 44 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. Such submission shall be within 90 days of the date of the Commissioner's written determination of Final Acceptance, or within such additional time as may be granted by the Commissioner in writing. If the Contractor fails to submit all required certificates and documents within the time allowed, no payment of the balance claimed shall be made to the Contractor and the Contractor shall be deemed to have forfeited its right to

payment of any balance claimed. 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 pending dispute resolution procedures in accordance with the PPB Rules and this Contract and any and all alleged claims against the City, 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 City Corporation Counsel 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 45.2, 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 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 45 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 of 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 officials, 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 CITY OF NEW YORK STANDARD CONSTRUCTION CONTRACT 61 DDC

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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 46, or those for amounts deducted by the Commissioner from the final requisition or 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 official, 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 by this Article 46 from commencing an action for breach of Contract to the extent permitted by Law and by the terms of the Contract for any claims that are contained in the verified statement filed with the Contractor's substantial and final requisitions pursuant to Articles 44 and 45 or that arose after submission of the final payment requisition, 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 making of such final payment by electronic funds transfer (EFT) or 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 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; or if
- 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 the **Contractor** 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 an action 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 provisions 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 be completed 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 expense of completion permitted under Article 54.1, 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.
- 54.3 The previous provisions of this Chapter X shall be in addition to any and all other remedies available under Law or in equity.
- 54.4 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.

## 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 action, 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 action be instituted or maintained on any such claims unless such action is commenced within six (6) months after Substantial Completion; except that:
  - 56.2.1 Any claims arising out of events occurring after 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 otherwise become 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 action 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 defend, indemnify, and hold the City harmless from any and all claims (even if the allegations of the lawsuit are without merit) and judgments for damages and from costs and expenses to which the City may be subject to or which it may suffer or incur allegedly arising out of or in connection with any infringement by the Contractor of any copyright, trade secrets, trademark or patent rights or any other property or personal right of any third party by the Contractor and/or its Subcontractors in the performance or completion of the Work. Insofar as the facts or 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 permitted by Law.

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

58.1 No claim whatsoever shall be made by the Contractor against any official, 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. SERVICE OF NOTICES**

- 59.1 The Contractor hereby designates the business address, fax number, and email 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. Any notice, direction, or communication from either party to the other shall be in writing and shall be deemed to have been given when (i) delivered personally; (ii) sent by certified mail, return receipt requested; (iii) delivered by overnight or same day courier service in a properly addressed envelope with confirmation; or (iv) sent by fax or email and, unless receipt of the fax or e-mail is acknowledged by the recipient by fax or e-mail, deposited in a post office box regularly maintained by the United States Postal Service in a properly addressed, postage prepaid envelope.
- 59.2 Contractor's notice address, email address, or fax number 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, and local taxes, including sales and compensating use taxes of the State of New York and its cities and counties on all tangible personal property 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, Subcontractor or Materialman or to tangible personal property which, even CITY OF NEW YORK STANDARD CONSTRUCTION CONTRACT 67

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though it is consumed, is not incorporated into the completed Work (consumable supplies) and tangible personal property that the Contractor is required to remove from the Site during or upon completion of the Work. The Contractor and its Subcontractors and Materialmen shall be responsible for and pay any and all applicable taxes, including sales and compensating use taxes, on such leased tools, machinery, equipment or other property and upon all such consumable supplies and tangible personal property that the Contractor is required to remove from the Site during or upon completion of the Work.

- 62.2 The Contractor agrees to sell and the City agrees to purchase all tangible personal property, other than consumable supplies and other tangible personal property that the Contractor is required to remove from the Site during or upon completion of the Work, that is 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 tangible personal property shall be in full payment and consideration for the sale of such tangible personal property.
  - 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, and services, 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, labor, and services.
- 62.3 20 NYCRR Section 541.3(d) provides that a Contractor's purchases of tangible personal property that is either incorporated into real property owned by a governmental entity or purchased for and sold to a governmental entity are exempt from sales and use tax. The City shall not pay sales tax for any such tangible personal property that it purchases from the Contractor pursuant to the Contract. With respect to such tangible personal property, 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 tangible personal property, free of liens and/or encumbrances, and the Contractor shall mark or otherwise identify all such tangible personal property as the property of the City.
- 62.4 Title to all tangible personal property 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 tangible personal property to the Site. Notwithstanding such transfer of title, the Contractor shall have the full and continuing responsibility to install such tangible personal property in accordance with the provisions of this Contract, protect it, maintain it in a proper condition and forthwith repair, replace and make good any damage thereto, theft or disappearance thereof, and furnish additional tangible personal property 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 the tangible personal property is rejected as being defective or otherwise unsatisfactory, title to all such tangible personal property shall be deemed to have been transferred back to the Contractor.
- 62.5 The purchase by **Subcontractors** or **Materialmen** of tangible personal property to be sold hereunder shall be a purchase or procurement for resale to the **Contractor** (either directly or through other **Subcontractors**) and therefore not subject to the aforesaid sales and compensating use taxes, provided that the subcontracts and purchase agreements provide for the resale of such tangible personal property and that such subcontracts and purchase agreements are in a form similar to this **Contract** with respect to the separation of the sale of consumable supplies and tangible personal property that the **Contractor** is required to remove from the **Site** during or upon completion of the **Work** from the **Work** and labor, services, and any other matters to be provided, and provided further that the subcontracts and

purchase agreements provide separate prices for tangible personal property and all other services and matters. Such separation shall actually be followed in practice, including the separation of payments for tangible personal property from the payments for other **Work** and labor and other things to be provided.

- 62.6 The Contractor and its Subcontractors and Materialmen shall furnish a Contractor Exempt Purchase Certificate to all persons, firms or corporations from which they purchase tangible personal property for the performance of the Work covered by this Contract.
- 62.7 In the event any of the provisions of this Article 62 shall be deemed to be in conflict with any other provisions of this Contract or create any ambiguity, then the provisions of this Article 62 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 Contract, 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 in this Article 63 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 in this Article 63 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 in this Article 63 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 in this Article 63 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 64, 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 the amounts described in 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 Article 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 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 the following, less salvage value:

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, if less than Direct Cost, 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 the amount described in 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 64 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.

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 the amounts described in 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 Materials Contracts or Items Based on Time and Material Records: On all Contracts or items in a Contract where payment for the Work is based on time and

material records, 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 64.2 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 Costs shall not include overhead.
- 64.3 In no event shall any payments under this Article 64 exceed the Contract price for such items.
- 64.4 All payments pursuant to Article 64 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 64, 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 64 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 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 a 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 a 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 a 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 Federal 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 County of New York, upon request of the City, the Contractor shall either consent to a transfer of the action to a New York State Court of competent jurisdiction located in the City and County 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 New York State Court of competent jurisdiction in New York County.
- 65.3 If any provision(s) of this Article 65 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 Federal Export Administration Act of 1979, as amended, or the regulations of the United States Department of Commerce (Commerce Department) 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 for 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; however, compliance with this Article 67 is not required if the Agency sets Subcontractor Participation Goals for Minority- and Women-Owned Business Enterprises (M/WBEs).

- 67.2 Unless specifically waived by the Commissioner with the approval of the Division of Economic and Financial Opportunity of the City 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 enterprises (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 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 LBEs 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 this Contract. Remedy for such breach may include the imposition of any or all of the following sanctions:
  - 67.6.1 Reducing the 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 If the Contractor is an LBE, de-certifying and declaring the Contractor 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 CITY OF NEW YORK STANDARD CONSTRUCTION CONTRACT 75

- (\$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, 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 69 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. ELECTRONIC FILING/NYC DEVELOPMENT HUB

70.1 The Contractor shall electronically file all alteration type-2 and alteration type-3 applications via the New York City Development Hub Web site, except applications for the following types of minor alterations: enlargements, curb cuts, legalizations, fire alarms, builders pavement plans, and jobs filed on Landmark Preservation Commission calendared properties. All such filings must be professionally certified. Information about electronic filing via the New York City Development Hub is available on the City Department of Buildings Web site at www.nyc.gov/buildings.

## 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 \_\_\_\_\_5

## 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:

The million forty are thousand Dollars, (\$ 1,041560.00 ), 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.

## ARTICLE 76. ELECTRONIC FUNDS TRANSFER

- 76.1 In accordance with Section 6-107.1 of the Administrative Code, the Contractor agrees to accept payments under this Contract from the City by electronic funds transfer (EFT). An EFT 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 Contract, the Contractor shall designate one financial institution or other authorized payment agent and shall complete the attached "EFT Vendor Payment Enrollment Form" in order to provide the Commissioner of the City Department of Finance with information necessary for the Contractor to receive electronic funds transfer payments through a 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 Contract. 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 Commissioner may waive the application of the requirements of this Article 76 to payments on contracts entered into pursuant to Section 315 of the City Charter. In addition, the Commissioner of the Department of Finance and the Comptroller may jointly issue standards pursuant to CITY OF NEW YORK STANDARD CONSTRUCTION CONTRACT 78

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which the **Agency** may waive the requirements of this Article 76 for payment 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**.

## **ARTICLE 77. RECORDS RETENTION**

77.1 The Contractor agrees to retain all books, records, and other documents relevant to this Contract for six years after the final payment or termination of this Contract, whichever is later. City, state, and federal auditors and any other persons duly authorized by the City shall have full access to and the right to examine any such books, records, and other documents during the retention period.

## ARTICLE 78. PARTICIPATION BY MINORITY-OWNED AND WOMEN-OWNED BUSINESS ENTERPRISES IN CITY PROCUREMENT

### 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.
- THE BIDDER/PROPOSER MUST COMPLETE THE SCHEDULE B INCLUDED (SCHEDULE B, PART II). A SCHEDULE B SUBMITTED BY HEREIN 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.
- 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).

- 7. 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 <a href="mailto:poped@ddc.nyc.gov">poped@ddc.nyc.gov</a> 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, whether 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.
- 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.

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Dept.	*
Contractor, have executed this agreement in	mmissioner, on behalf of the City of New York quadruplicate, two parts of which are to remain Comptroller of the City, and the fourth to be delive
	By: Compassioner
	CONTRACTOR:  By  (Member of Firm or Officer of Corporation)
	Title: Chul. Opo. Office.
Where Contractor is a Corporation, add): Attest: Secretary	
	(Seal)

# ACKNOWLEDGEMENT OF PRINCIPAL, IF A CORPORATION State of Neughb County of Yuens On this 16th day of drushy 256, before me personally came Joseph Gignach to me known who, being by me duly sworn did depose and say that he resides at 366 Industrial 1609 Stoke Iskal, NY that he is the Chef Oper. Office. of the corporation described in and which executed the foregoing instrument; that he knows the seal of said 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. Notary Public or Commissioner of Deeds SIMONE SMITH Commissioner of Deeds City of New York No. 4-6780 Certificato Filod in New York County Commission Expires 07/01/1/2 ACKNOWLEDGEMENT OF PRINCIPAL, IF A PARTNERSHIP State of \_\_\_\_\_ County of \_\_\_\_\_ ss: On this \_\_\_\_\_, \_\_\_\_, 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 \_\_\_\_\_\_ County of \_\_\_\_\_ ss: On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_, 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.

CITY OF NEW YORK DDC

Notary Public or Commissioner of Deeds

### ACKNOWLEDGEMENT BY COMMISSIONER

State of New york Coun	ty of Queens	ss:
to me known, and known to be the Dep	puty Commissioner of the cribed as such in and wh	recame Eric Macfarders  the Department of Design and Construction of the as such executed the foregoing instrument
and acknowledged to me that he exementioned.	ecuted the same as Dept	outy Commissioner for the purposes therein
	Notary Public or Com	missioner of Deeds

SIMONE SMITH
Commissioner of Doods
City of New York No. 4-6780
Certificate Filed in New York (County Commission Expires Of The Property Commission Expires O

#### 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 York, it is hereby certified that the estimated cost of the work, materials and supplies required by the w	New
Contract, amounting to	'itnin
Two million forty one-thousand	
dollars free hundered sixty dollars or 100	
1	
Dollars (\$ 2,04,50.60)	
is chargeable to the fund of the Department of Design and Construction entitled Code	
HWD1 2109to	
Department of Design and Construction	
I hereby certify that the specifications contained herein comply with the terms and conditions of BUDGET.  Comprissioner	f the
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 Yorkhereby certify that there remains unapplied and unexpended a balance of the above mentioned applicable to this Contract sufficient to pay the estimated expense of executing the same viz:	rk, I und
\$·	
Comptroller	

<u>Performance Bond #1 (Pages 92 to 95)</u>: Use if the total contract price is \$5 Million Or Less. Performance Bond #1 has been approved by the U.S. Small Business Administration ("SBA") for participation in its Bond Guarantee Program.

Bond No. PB12048700076

PERFORMANCE BOND #1 (Page 1)

#### **PERFORMANCE BOND #1**

That we, NY Asphalt. Inc.
366 Industrial Loop
Staten Island, NY 10309
hereinafter referred to as the "Principal," and, Philadelphia Indemnity Insurance Company
One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004
hereinafter referred to as the "Surety" ("Sureties") are held and firmly bound to THE CITY OF NEX YORK, hereinafter referred to as the "City" or to its successors and assigns in the penal sum ofTWO MILLION FORTY ONE THOUSAND FIVE HUNDRED SIXTY DOLLARS
AND ZERO CENTS
(\$2.041.560.00 ) Dollars, lawful money of the United States for the payment of whice 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
FMS ID: HWPLZ009Q; E-PIN: 85015B0144001; DDC PIN: 8502015HW0030C
Reconstruction of 71st Avenue Plaza between Myrtle Avenue and 71st Avenue - Borough of Queens
a copy of which Contract is annexed to and hereby made a part of this bond as though herein set forth in
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 rue 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 the Principal's default of the Contract, and shall fully reimburse and repay the City for all outlay and expense which the City may incur in making

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<u>Performance Bond #1 (Pages 92 to 95)</u>: Use if the total contract price is \$5 Million Or Less. Performance Bond #1 has been approved by the U.S. Small Business Administration ("SBA") for participation in its Bond Guarantee Program.

PERFORMANCE BOND #1 (Page 2)

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 Principal's default of the Contract, 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, upon written notice from the City that the City has determined that the Principal is in default of the Contract, to (1) pay the City the cost to complete the contract as determined by the City in excess of the balance of the Contract held by the City, plus any damages or costs to which the City is entitled, up to the full amount of the above penal sum, (2) fully perform and complete the Work to be performed under the Contract, pursuant to the terms, conditions, and covenants thereof, or (3) tender a completion Contractor that is acceptable to the City. The Surety (Sureties) further agrees, at its option, either to notify the City that it elects to pay the city the cost of completion plus any applicable damages and costs under option (1) above, or 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, if the Surety elects to fully perform and complete the Work, then to complete all Work within the time set forth in the Contract or such other time as agreed to between the City and Surety in accordance with the Contract. If the Surety elects to tender payment pursuant to (1) above, then the Surety shall tender such amount within fifteen (15) business days notification from the City of the cost of completion. 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 pay the City the cost of completion, to commence and complete all Work as provided herein, or to tender a completion contractor.

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 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 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, and waivers, and hereby expressly stipulates and agrees that any and all things done and omitted to be done by and in relation to subcontractors shall have the same effect as to said Surety (Sureties) as though done or omitted to be done by or in relation to said Principal. Notwithstanding the above, if the City makes payments to the Principal before the time required by the contract that in the aggregate exceed \$100,000 or 10% of the Contract price, whichever is less, and that have not become earned prior to the Principal being found to be in default, then all payments made to the Principal before the time required by the Contract shall be added to the remaining contract value available to be paid for the completion of the Contract as if such sums had not been paid to the Principal, but shall not provide a basis for non-performance of its obligation to pay the City the cost of completion, to commence and to complete all Work as provided herein, or to tender a completion contractor.

<u>Performance Bond #1 (Pages 92 to 95)</u>: Use if the total contract price is \$5 Million Or Less. Performance Bond #1 has been approved by the U.S. Small Business Administration ("SBA") for participation in its Bond Guarantee Program.

PERFORMANCE BOND #1 (Page 3)

IN WITNESS WHEREOF, The Principal and the Surety (Sureties) have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereunto affixed and these presents to be signed by their proper officers, this

11th	day of	December , 20 <u>15</u>	
(Seal)	,	, 20_15	
		NY Asphalt, Inc. Principal	(L.S.)
(Seal)		Ву:	
•	-	Philadelphia Indemnity Insura	ince Company
(Seal)		Michael Culnen, Attorney-In- Surety	Fact .
		Ву:	· .
(Seal)		Surety	
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(Seal)		Surety	
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(Seal)		Surety	
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Bond Premium Rate			
Bond Premium Cost		-	
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If the Contractor (Principal) is a partnership, the bond should be signed by each of the individuals who are partners.

If the Contractor (Principal) is a corporation, the bond should be signed in its correct corporate name by a duly authorized officer, agent, or attorney-in-fact.

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

CITY OF NEW YORK DDC Performance Bond #1 (Pages 92 to 95): Use if the total contract price is \$5 Million Or Less. Performance Bond #1 has been approved by the U.S. Small Business Administration ("SBA") for participation in its Bond Guarantee Program.

PERFORMANCE BOND #1 (Page 4)

ACANOWLEDGE	<u>AENT OF PRINCIPAL IF A CORPO</u>	RATION
State of New YORK	County of Richmon d	
On this 14th day of the	comber ,20/5	
came Mi Clade Alama Came	combe (	before me personally
to me known, who, being by me duly sworm of	et a d	possonany
at COITS NECK NS	old depose and say that he/she resides	
	that hatel-in the OCOC	ida-li
	; that he/she is the OCCS	
the foregoing instrument by order of the direct	tors of said corneration as the duly onthe	it he/she signed his/her name to
$\alpha v + 1 \alpha$	MICHELE RENNA	onzed and binding act thereof.
Michalo (10 mma -	NOTARY PUBLIC-STATE OF NEW YORK	
Notary Public or Commissioner of Deeds.		
continues oner of Deeds.	No. 01RE6110285  Qualified in Richmond County  My Commission Expires May 24, 28	
<u>ACKNOWLEDGM</u>	ENT OF PRINCIPAL IF A PARTNE	To see the second
State of	STATISTICS AFARING	RSHIP
State of	County of	
On this		30.
On this day of	, 20	before me personally
to me known, who, being by me duly sworn di	d disnose and say that halaha maid.	• •
at	a dispose and say that nevane resides	·
	; that he/she is	manh
, a limited/genera	l partnership existing under the laws of	the State of
and that he/she signed his/her name to the fore said partnership.	going instrument as the duly authorized	and binding act of
Permerently.		
Notary Public or Commissioner of Deeds.		
<u>ACKNOWLEDGMI</u>	ENT OF PRINCIPAL IF AN INDIVI	DUAL
State ofC	Ounty of	
	James VI	98;
On this day of	, 20	hafara wa nasa the
came	•	before the personally
to me known, who, being by me duly sworn did	depose and say that he/she resides	
subscribed to the within instrument and acknow	and that he/she is the individual	al whose name is
instrument, said individual executed the instrum	heat to me that by his/her signature of	1 the
	abrith,	
Notary Public or Commissioner of Deeds		
Each executed bond should be accompanied by: (duly certified copy of Power of Attorney or other	a) annopriata asimoniadamente	
duly certified copy of Power of Attorney or other representative of Principal or Surety; (c) a duly ce	certificate of authority where hand in	spective parties; (b) appropriate
CORESENTATIVE of Principal or County (-)	Attend there noted 18 CX	cuted by agent, officer or other
of Attorney or other certificate of authority of its a published financial statement of assets and liabilities	agent, officer or representative was issued	and (d) certified convert
published financial statement of assets and liabilities	es of Surety.	arrive copy of latest

Affix Acknowledgments and Justification of Sureties.

CITY OF NEW YORK DDC

# SURETY ACKNOWLEDGEMENT

State of New Jersey

SS:

County of Essex

On this 11th day of December, 2015, before me personally comes Michael Culnen to me known, who, being by me duly sworn, deposes and says that he resides in the City of Far Hills, NJ that he is the Attorney-In-Fact of the Philadelphia Indemnity Insurance Company the Corporation described in and which executed the foregoing instrument; that he knows that seal of said corporation; that the seal affixed to the said instrument is such Corporate seal; that it was so affixed by the order of the Board of Directors of the said Corporation, and that he signed his name thereto by like order.

CATHY M KNOKE
NOTARY PUBLIC
STATE OF NEW JERSEY
10 # 50009608
MY COMMISSION EXPIRES FEB. 4, 2020

Signature and Title of Official Taking Acknowledgement)

CATHY M KNOKE
NOTARY PUBLIC
STATE OF NEW JERSEY
ID # 50009508
MY COMMISSION EXPIRES FEB 4, 2020

#### PHILADELPHIA INDEMNITY INSURANCE COMPANY

231 St. Asaph's Rd., Suite 100 Bala Cynwyd, PA 19004-0950

#### Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That PHILADELPHIA INDEMNITY INSURANCE COMPANY (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint Michael Culnen of USI Insurance Services, LLC, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed \$25,000,000.00.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY at a meeting duly called the 1st day of July, 2011.

RESOLVED:

That the Board of Directors hereby authorizes the President or any Vice President of the Company to: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED:

That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and biding upon the Company in the future with the respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEALTO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS  $10^{\text{TH}}$  DAY OF JUNE 2013.



RoundOH

Robert D. O'Leary Jr., President & CEO Philadelphia Indemnity Insurance Company

On this 10<sup>th</sup> day of June 2013, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

COMMONWEALTH OF PENNSYLVANIA  Notarial Seal  Kimberly A. Kessiesidi, Notary Public Lower Merion Twp. Intelligibility County My Commission Expires Dac. 18, 2016  MEMBER, PRINSYLVANIA ASSOCIATION OF NOTARIES	Notary Public:	
(Notary Seal)	residing at:  My commission expires:	Bala Cynwyd, PA  December 18, 2016

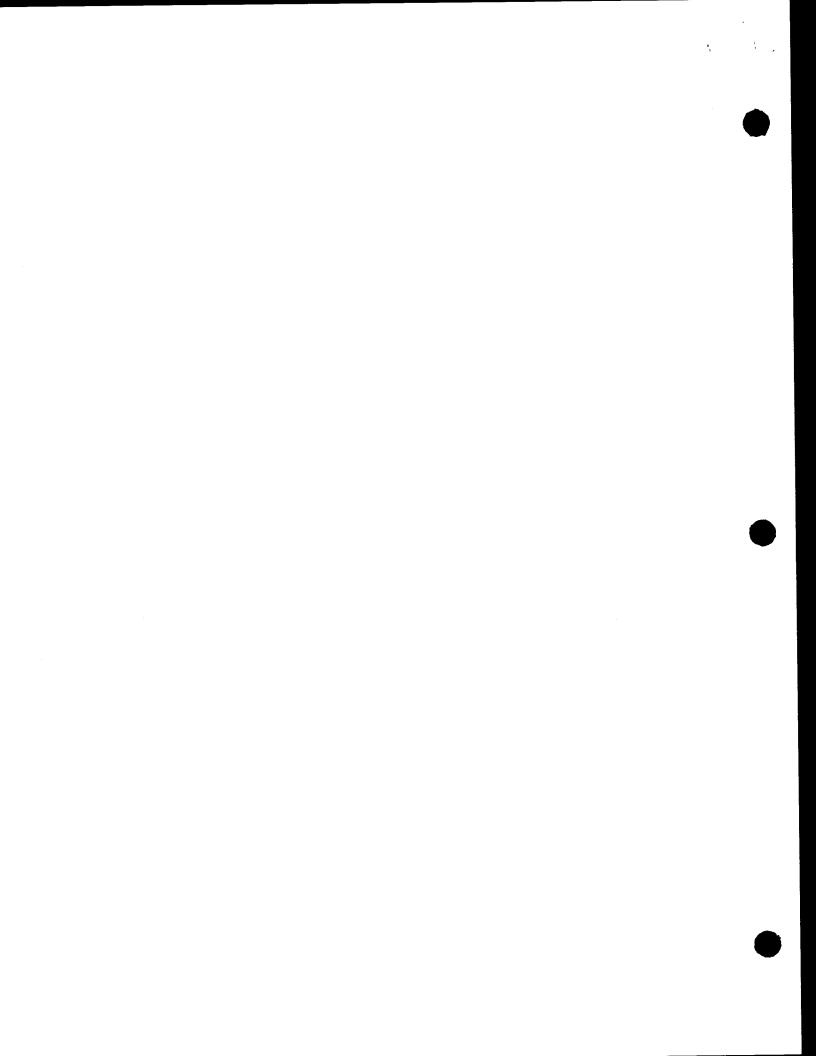
I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do herby certify that the foregoing resolution of the Board of Directors and this Power of Attorney issued pursuant thereto on this 10<sup>TH</sup> day of June 2013 true and correct and are still in full force and effect. I do further certify that Philadelphia Indemnity Insurance Company,

1927

(Seal)

Edward Sayago, Corporate Secretary

PHILADELPHIA INDEMNITY INSURANCE COMPANY



#### PHILADELPHIA INDEMNITY INSURANCE COMPANY

# Statutory Statements of Admitted Assets, Liabilities and Capital and Surplus (in thousands, except par value and share amounts)

Admitted Assets		cember 31,
Don da (fair value \$6 152 215 and \$5 697 226)	2014 \$ 5,869,602	2013 \$ 5,603,006
Bonds (fair value \$6,153,215 and \$5,687,336) Preferred stocks (fair value \$59,525 and \$-)	59,413	\$ 5,005,000 -
Common stocks (cost \$110,951 and \$3,594)	97,616	3,594
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Other invested assets (cost \$156,141 and \$26,678)	154,549	26,678
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Cash and invested assets	6,247,636	5,635,719
Cash and hivested assets	0,247,050	2,033,117
Premiums receivable, agents' balances and other receivables	673,590	626,337
Reinsurance receivable on paid losses	27,162	26,176
Accrued investment income	65,074	61,467
Receivable from affiliates	4,104	2,948
Net deferred tax asset	164,545	162,476
Federal income taxes receivable	•	10,909
Guaranty funds receivable	106	29
Total admitted assets	<b>\$</b> 7,182,217	<b>\$</b> 6,526,061
Liabilities and Capital and Surplus	•	
Liabilities:		
Net unpaid losses and loss adjustment expenses	\$ 3,169,910	\$ 2,895,803
Net unearned premiums	1,260,065	1,164,576
Reinsurance payable on paid loss and loss adjustment expenses	3,747	3,621
Ceded reinsurance premiums payable	63,104	63,156
Commissions payable, contingent commissions and other similar charges	226,034	204,448
Federal income taxes payable	13,990	
Accrued expenses and other liabilities	50,060	31,505
Payable to affiliates	9,877	4,695
Provision for reinsurance	1,000	1,323
Payable for policyholders' dividends	221	220
Payable for purchased securities	46,833	-
Total liabilities	4,844,841	4,369,347
Capital:		
Common stock, par value of \$10 per share; 1,000,000 shares	2 (00	2.000
authorized, 359,995 shares issued and outstanding	3,600	3,600
Surplus:	207.070	107.070
Gross paid-in and contributed surplus	386,970	386,970
Unassigned surplus	1.946,806	1,766,144
Total surplus	2,333,776	2,153,114
Total capital and surplus	2,337,376 \$ 7,182,217	2.156,714 \$ 6.526.061
Total liabilities and capital and surplus	<u>\$ 7,182,217</u>	\$ 6,526.061

The undersigned, being duly sworn, says: That she is the Executive Vice President and Chief Financial Officer of Philadelphia Indemnity Insurance Company; that said Company is a corporation duly organized in the state of Pennsylvania, and licensed and engaged in the State of Pennsylvania and has duly complied with all the requirements of the laws of the said State applicable of the said Company and is duly qualified to act as Surety under such laws; that said Company has also complied with and is duly qualified to act as Surety under the Act of Congress. And that to the best of her knowledge and belief the above statement is a full, true and correct statement of

Attest:

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

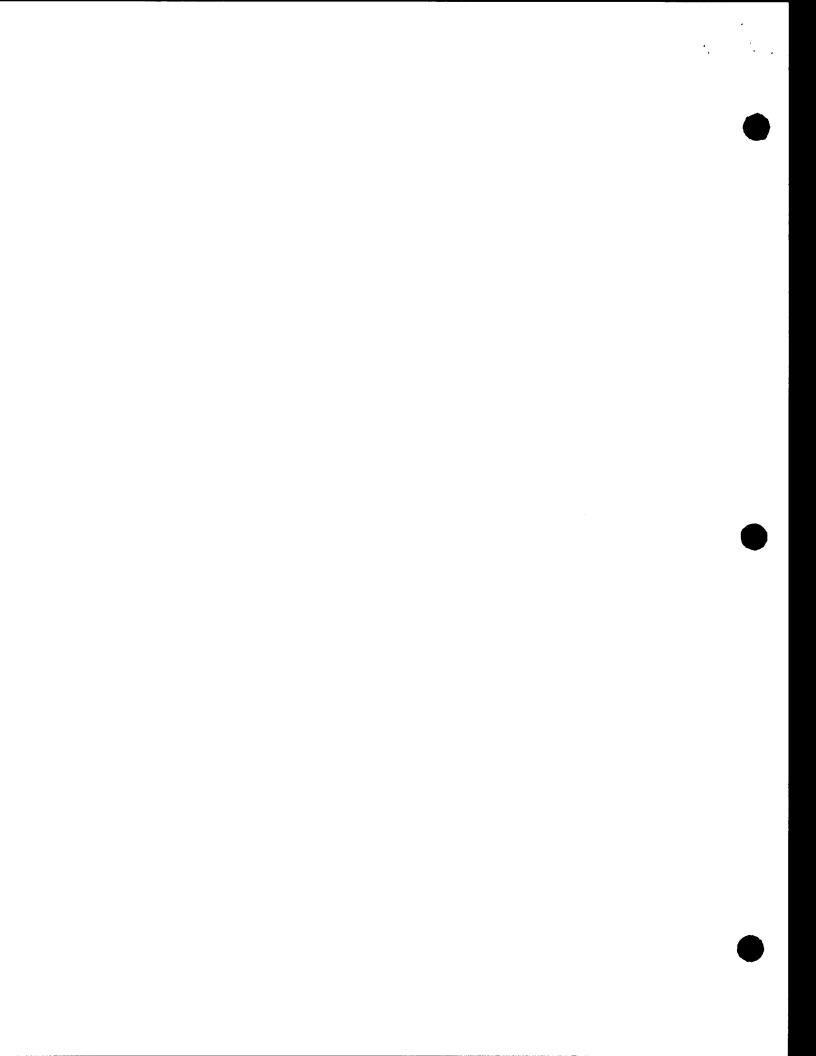
Kimberly A. Kessleski, Notary Public
Lower Merion Twp., Montgomery County
My Commission Expires Dec. 18, 2016

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Karen Gilmer-Pauciello, EVP & CFO

Sworn to before me this 8th day of June 2015.

Kimberly Kessleski, Notary



#### State of New York

### DEPARTMENT OF FINANCIAL SERVICES

#### WHEREAS IT APPEARS THAT

## Philadelphia Indemnity Insurance Company

**Home Office Address** 

Bala Cynwyd, Pennsylvania

Organized under the Laws of

Pennsylvania

has complied with the necessary requirements of or pursuant to law, it is hereby

## licensed to do within this State the business of

accident and health, fire, miscellaneous property, water damage, burglary and theft, glass, boiler and machinery, elevator, animal, collision, personal injury liability, property damage liability, workers' compensation and employers' liability, fidelity and surety, credit, motor vehicle and aircraft physical damage, marine and inland marine, marine protection and indemnity, residual value, legal services and gap insurance, as specified in paragraph(s) 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 29 and 26(A)(B)(C)(D) of Section 1113(a) of the New York Insurance Law and also such workers' compensation insurance as may be incident to coverages contemplated under paragraphs 20 and 21 of Section 1113(a), including insurances described in the Longshoremen's and Harbor Workers' Compensation Act (Public Law No. 803, 69 Cong. as amended; 33 USC Section 901 et seq. as amended) to the extent permitted by certified copy of its charter document on file in this Department until July 1, 2016.



In Witness Whereof, I have hereunto set my hand and affixed the official seal of this Department at the City of Albany, New York, this 1st day of July, 2015

Anthony J. Albanese Acting Superintendent

Rv

Jacqueline Catalfamo

Jacqueline Catalfamo Special Deputy Superintendent

# CERTIFICATE OF SOLVENCY UNDER SECTION 1111 OF THE NEW YORK INSURANCE LAW

# STATE OF NEW YORK DEPARTMENT OF FINANCIAL SERVICES

It is hereby certified that

# PHILADELPHIA INDEMNITY INSURANCE COMPANY Of Bala Cynwyd, Pennsylvania

a corporation organized under the laws of the State of Pennsylvania and duly authorized to transact the business of insurance in this State, is qualified to become surety or guarantor on all bonds, undertakings, recognizances, guaranties and other obligations required or permitted by law; and that the said corporation is possessed of a capital and surplus including gross paid-in and contributed surplus and unassigned funds (surplus) aggregating the sum of \$2,412,148,298 (Capital \$4,500,000) as is shown by its sworn financial statement for the First Quarter as of March 31, 2015 on file in this Department, prior to audit.

The said corporation cannot lawfully expose itself to loss on any one risk or hazard to an amount exceeding 10% of its surplus to policyholders, unless it shall be protected in excess of that amount in the manner provided in Section 4118 of the Insurance Law of this State.

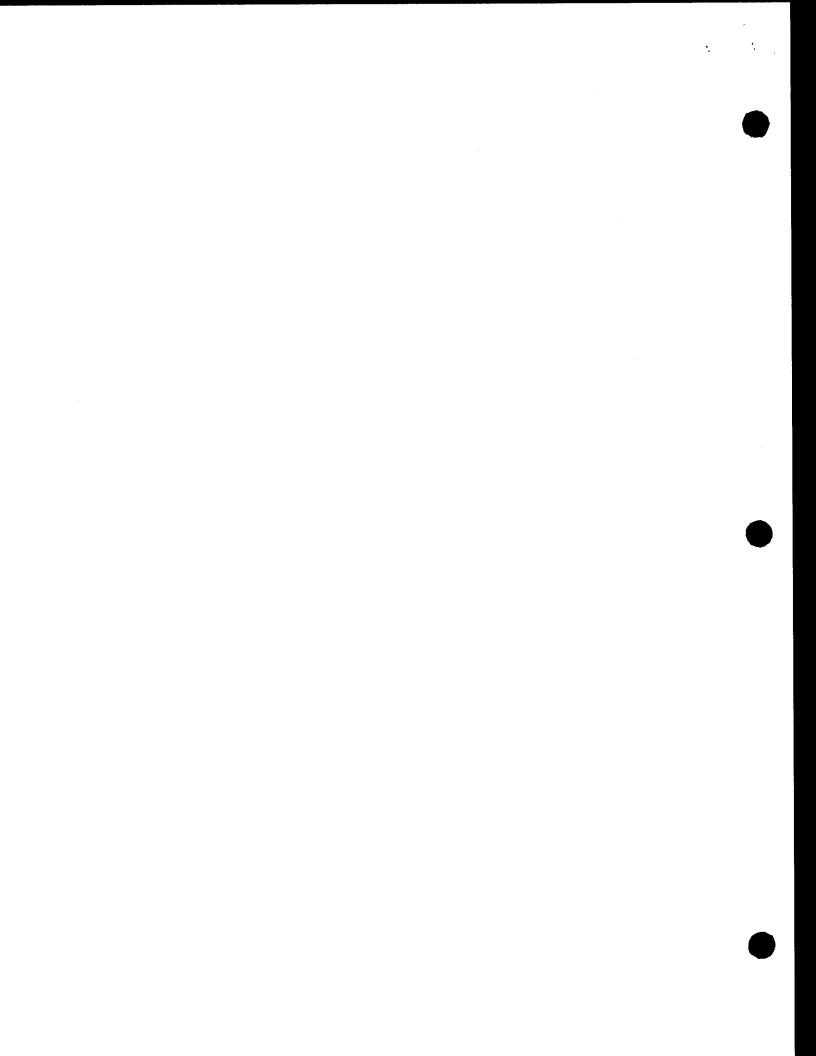


In Witness Whereof, I have hereunto set my hand and affixed the official seal of this Department at the City of Albany, this 30th day of July, 2015.

Anthony J. Albanese Acting Superintendent

Jacqueline Catalfamo Special Deputy Superintendent

www.dfs.ny.gov



PB12048700076

PAYMENT BOND (Page 1)

#### PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS, That we,
NY Asphalt, Inc.
366 Industrial Loop
Staten Island, NY 10309
hereinafter referred to as the "Principal", and
Philadelphia Indemnity Insurance Company
One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004
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
TWO MILLION FORTY ONE THOUSAND FIVE HUNDRED SIXTY DOLLARS
AND ZERO CENTS
(\$2,041,560.00) 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.

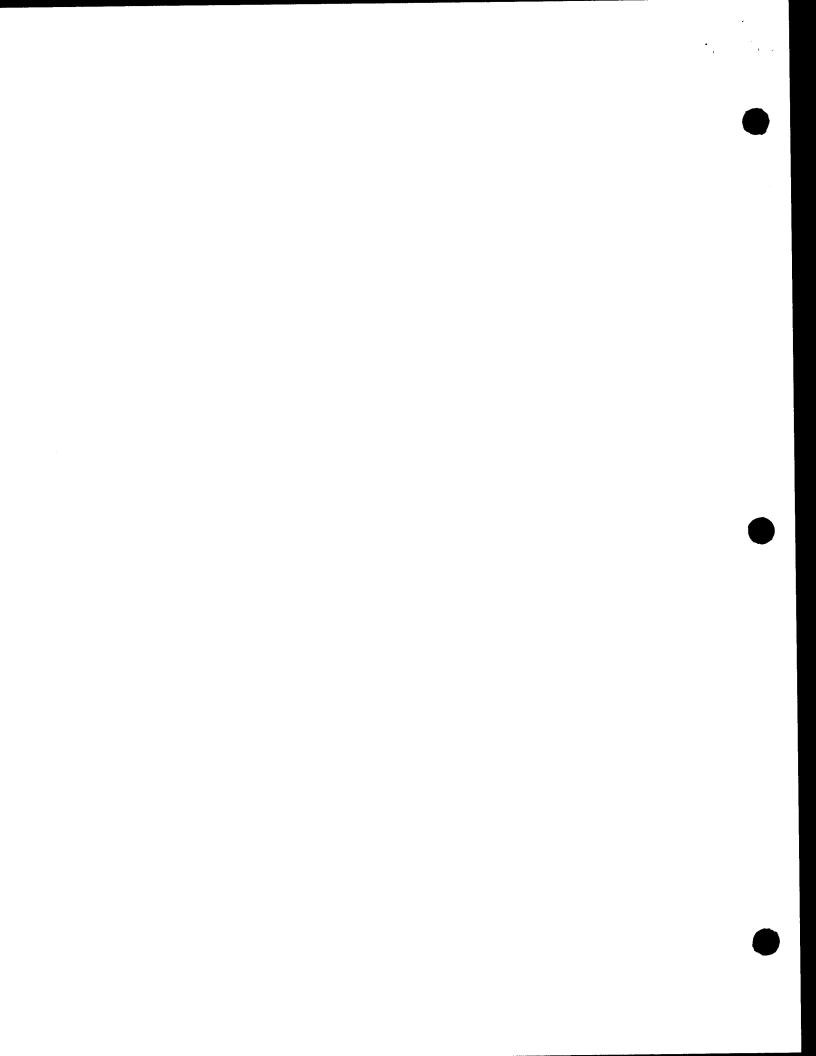
WHEREAS, the Principal is about to enter, or has entered, into a Contract in writing with the City for FMS ID: HWPLZ009Q; E-PIN: 85015B0144001; DDC PIN: 8502015HW0030C Reconstruction of 71st Avenue Plaza between Myrtle Avenue and 71st Avenue -Borough of Queens

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

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 engaged who perform the work of laborers or mechanics at or in the vicinity of the site

CITY OF NEW YORK DDC



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 and 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 persons 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 recoverable by an employee or laborer under the Workmen's Compensation Law.
- (e) In no event shall the Surety (Sureties), or its successors or assigns, be 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 hereby 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 provisions to be place in this bond.

And 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 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 and 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.

CITY OF NEW YORK

PAYMENT BOND (Page 3)

IN W	ITNESS WHEREOF,	, the Principal and the	e Surety (S	nreties) have here	unto set their he	<b></b>
and scars, and	Such of frein as are co	OMOGRIOUS PARE Cane	ed their cor	marata asals es L. E		
these presents	to be signed by their j	proper officers, this	_11th	day of December	er 2015	aliu

(Seal)	NY Asphalt, Inc. (L.S.)  Principal
	Ву:
(Seal)	Philadelphia Indemnity Insurance Company Surety By: Michael Culnen, Attorney-In-Fact
(Seal)	Surety
	Ву:
(Seal)	
	Surety By:
(Seal)	Surety
	By:

If the Contractor (Principal) is a partnership, the bond should be signed by each of the individuals who are partners.

If the Contractor (Principal) is a corporation, the bond should be signed in its correct corporate name by a duly authorized officer, agent, or attorney-in-fact.

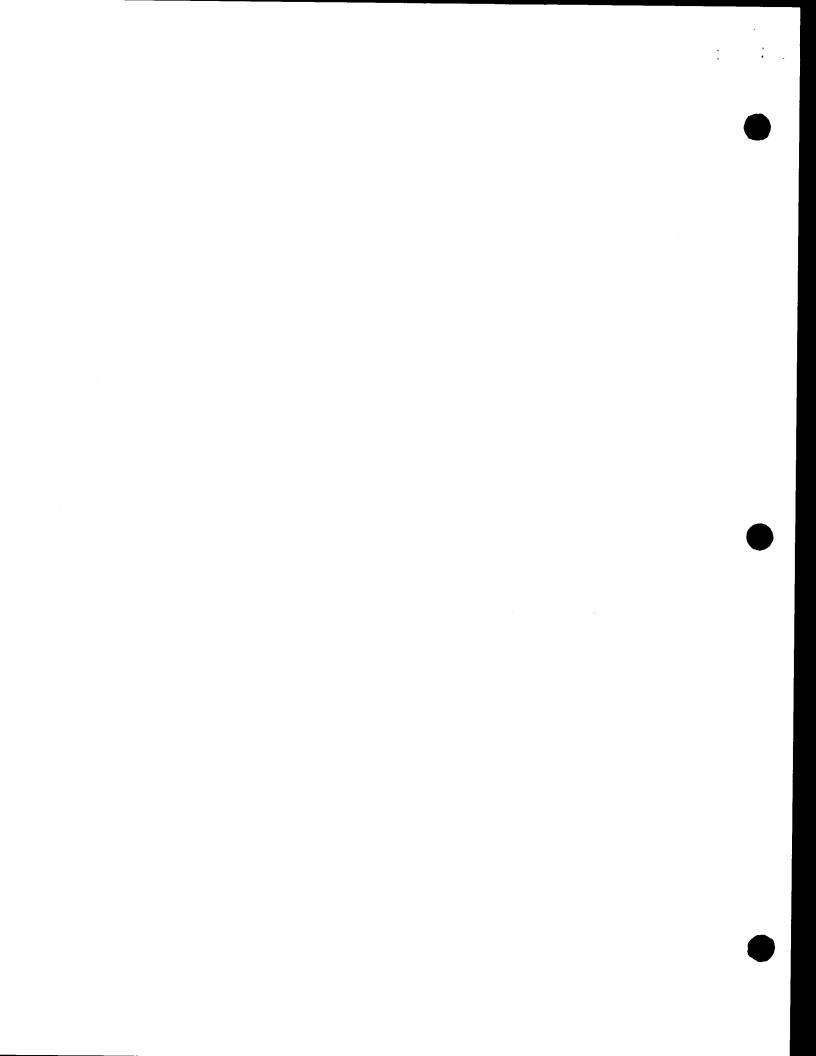
There should be executed an appropriate number of counterparts of the bond corresponding to the number of counterparts of the Contract.

		٠.	
			•

PAYMENT BOND (Page 4)

ACKNOWLEDGMEN	T OF PRINCIPAL, IF A	CORPORATION	
State of New York	County of RIC	nnon d ss:	
On this May of D to me known, who, being the corporation described corporation; that one of	(C, 2015, before the by me duly swom did dej the the din and which executed the the seals affixed to said in	me personally came Mich pose and say that he resides a nat he is the President he foregoing instrument; that is trument is such seal; that it his name thereto by like order	of the knows the seal of said was so affixed by order of er.
	Motary Pu	CLI Rennablic or Commissioner of Dee	MICHELS RENNA NOTARY PUBLIC-STATE OF NEW YORK NO. 01RE6110285 Qualified in Richmond County My Commission Expires May 24, 20
ACKNOWLEDGMEN	T OF PRINCIPAL, IF A	PARTNERSHIP	
State of	County of	55:	
to me known, and known	to me to be one of the me described in and	me personally appeared embers of the firm of who executed the foregoind for the act and deed of sai	ing instrument; and he
	Notary Pu	blic or Commissioner of Dee	ds .
ACKNOWLEDGMEN	T OF PRINCIPAL, IF A	N INDIVIDUAL	
State of	County of	ss:	
On this day of to me known, and known and acknowledged that h	n to me to be the person d	me personally appearedlescribed in and who execute	d the foregoing instrument;
	Notary Pu	blic or Commissioner of Dee	ds
parties; (b) appropriate di is executed by agent, off By-Laws or resolutions	uly certified copy of Powe icer or other representative of Surety under which Potative was issued, and (d) urety.	ed by: (a) appropriate acknown of Attorney or other certifice of Principal or Surety; (c) a ower of Attorney or other concertified copy of latest publishes.	cate of authority where bond a duly certified extract from ertificate of authority of its
		s and Justification of Sureties	•

CITY OF NEW YORK DDC



# SURETY ACKNOWLEDGEMENT

State of New Jersey

SS:

County of Essex

On this 11th day of December, 2015, before me personally comes Michael Culnen to me known, who, being by me duly sworn, deposes and says that he resides in the City of Far Hills, NJ that he is the Attorney-In-Fact of the Philadelphia Indemnity Insurance Company the Corporation described in and which executed the foregoing instrument; that he knows that seal of said corporation; that the seal affixed to the said instrument is such Corporate seal; that it was so affixed by the order of the Board of Directors of the said Corporation, and that he signed his name thereto by like order.

CATHY M KNOKE

NOTARY PUBLIC

STATE OF NEW JERSEY

ID # 50009608

MY COMMISSION EXPIRES FEB. 4, 2020

(Signature and Tatle of Official Taking Acknowledgement)

CATHY M KNOKE
NOTARY PUBLIC
STATE OF NEW JERSEY
10 \* GROCHEGE
MY FORMMASSION E KNIHLS CEB 1 2020

#### PHILADELPHIA INDEMNITY INSURANCE COMPANY

231 St. Asaph's Rd., Suite 100 Bala Cynwyd, PA 19004-0950

#### Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That PHILADELPHIA INDEMNITY INSURANCE COMPANY (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint Michael Culnen of USI Insurance Services, LLC, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed \$25,000,000.00.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY at a meeting duly called the 1<sup>st</sup> day of July, 2011.

RESOLVED:

That the Board of Directors hereby authorizes the President or any Vice President of the Company to: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

**FURTHER** 

RESOLVED:

That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and biding upon the Company in the future with the respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEALTO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 10<sup>TH</sup> DAY OF JUNE 2013.

(Seal)

Round 97

Robert D. O'Leary Jr., President & CEO Philadelphia Indemnity Insurance Company

On this 10th day of June 2013, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the PHILADELPHIA INDEMNITY INSURANCE COMPANY; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

COMMONWEALTH OF PENNSYLVANIA Kimberly A. Kessieski, Notary Public

Notary Public:

(Notary Seal)

residing at:

Bala Cynwyd, PA

My commission expires:

December 18, 2016

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do herby certify that the foregoing resolution of the Board of Directors and this Power of Attorney issued pursuant thereto on this 10<sup>TH</sup> day of June 2013 true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

Edward Sayago, Corporate Secretary

El Say

PHILADELPHIA INDEMNITY INSURANCE COMPANY

#### PHILADELPHIA INDEMNITY INSURANCE COMPANY

# Statutory Statements of Admitted Assets, Liabilities and Capital and Surplus (in thousands, except par value and share amounts)

Admitted Assets	<u>As of Dec</u> 2014	ember 31,
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Accrued expenses and other liabilities	50,060	31,505
Payable to affiliates	9,877	4,695
Provision for reinsurance	1,000	1,323
Payable for policyholders' dividends	221	220
Payable for purchased securities	<u>46,833</u>	
Total liabilities	4,844,841	4,369,347
Capital:		
Common stock, par value of \$10 per share; 1,000,000 shares		
authorized, 359,995 shares issued and outstanding	3,600	3,600
Surplus:		
Gross paid-in and contributed surplus	386,970	386,970
Unassigned surplus	<u>1.946,806</u>	<u>1,766,144</u>
Total surplus	2,333,776	2,153,114
Total capital and surplus	2,337,376	2.156,714
Total liabilities and capital and surplus	<u>\$ 7,182,217</u>	<u>\$ 6,526,061</u>

The undersigned, being duly sworn, says: That she is the Executive Vice President and Chief Financial Officer of Philadelphia Indemnity Insurance Company; that said Company is a corporation duly organized in the state of Pennsylvania, and licensed and engaged in the State of Pennsylvania and has duly complied with all the requirements of the laws of the said State applicable of the said Company and is duly qualified to act as Surety under such laws; that said Company has also complied with and is duly qualified to act as Surety under the Act of Congress. And that to the best of her knowledge and belief the above statement is a full, true and correct statement of

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Kimberly A. Kessleski, Notary Public

Kimberly A. Kessleski, Notary Public Lower Merion Twp., Montgomery County My Commission Expires Dec. 18, 2016

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Sworn to before me this 8th day of June 2015.

Karen Gilmer-Pauciello, EVP & CFO

Kimberly Kessleski, Notary

# CERTIFICATE OF SOLVENCY UNDER SECTION 1111 OF THE NEW YORK INSURANCE LAW

# STATE OF NEW YORK DEPARTMENT OF FINANCIAL SERVICES

It is hereby certified that

# PHILADELPHIA INDEMNITY INSURANCE COMPANY Of Bala Cynwyd, Pennsylvania

a corporation organized under the laws of the State of Pennsylvania and duly authorized to transact the business of insurance in this State, is qualified to become surety or guarantor on all bonds, undertakings, recognizances, guaranties and other obligations required or permitted by law; and that the said corporation is possessed of a capital and surplus including gross paid-in and contributed surplus and unassigned funds (surplus) aggregating the sum of \$2,412,148,298 (Capital \$4,500,000) as is shown by its sworn financial statement for the First Quarter as of March 31, 2015 on file in this Department, prior to audit.

The said corporation cannot lawfully expose itself to loss on any one risk or hazard to an amount exceeding 10% of its surplus to policyholders, unless it shall be protected in excess of that amount in the manner provided in Section 4118 of the Insurance Law of this State.



In Witness Whereof, I have hereunto set my hand and affixed the official seal of this Department at the City of Albany, this 30th day of July, 2015.

Anthony J. Albanese Acting Superintendent

Jacqueline Catalfamo Special Deputy Superintendent

www.dfs.ny.gov

### State of New York

# DEPARTMENT OF FINANCIAL SERVICES

#### WHEREAS IT APPEARS THAT

### Philadelphia Indemnity Insurance Company

**Home Office Address** 

Bala Cynwyd, Pennsylvania

Organized under the Laws of

Pennsylvania

has complied with the necessary requirements of or pursuant to law, it is hereby

#### licensed to do within this State the business of

accident and health, fire, miscellaneous property, water damage, burglary and thest, glass, boiler and machinery, elevator, animal, collision, personal injury liability, property damage liability, workers' compensation and employers' liability, fidelity and surety, credit, motor vehicle and aircrast physical damage, marine and inland marine, marine protection and indemnity, residual value, legal services and gap insurance, as specified in paragraph(s) 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 29 and 26(A)(B)(C)(D) of Section 1113(a) of the New York Insurance Law and also such workers' compensation insurance as may be incident to coverages contemplated under paragraphs 20 and 21 of Section 1113(a), including insurances described in the Longshoremen's and Harbor Workers' Compensation Act (Public Law No. 803, 69 Cong. as amended; 33 USC Section 901 et seq. as amended) to the extent permitted by certified copy of its charter document on file in this Department until July 1, 2016.



In Witness Whereof, I have hereunto set my hand and affixed the official seal of this Department at the City of Albany, New York, this 1st day of July, 2015

Anthony J. Albanese Acting Superintendent

Ву

Jacquelino Catalfamo

Jacqueline Catalfamo
Special Deputy Superintendent



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/10/2015

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 control is an Additional insured, the policy(les) 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
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).
and the state of t

PRODUCER Middleton & Company 186 Halsey Road Newton, NJ 07860		CONTACT House Account	
		PHONE (A/C, No, Ext): 973-383-5525 FAX (A/C, No): 9	973-383-9602
		INSURER(S) AFFORDING COVERAGE	NAIC #
INSURED NY Asphalt, Inc. 366 Industrial Loop	INSURER A : The Travelers Indemnity Co.	25658	
	INSURER B: Travelers PropCas Co-ofAmerica	25674	
	Staten Island, NY 10309	INSURER C: Ohio Casualty Insurance Co.	24074
	INSURER D :		
		INSURER E :	
COVEDAG		INSURER F:	

COVERAGES

CERTIFICATE 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.

INSF		TYPE OF INSURANCE	ADDL	SUBR		POLICY EFF		•		
A	X		INSD	WVD	POLICY NUMBER	(MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	rs	
^	_^				DTC090702000IND45			EACH OCCURRENCE DAMAGE TO RENTED	\$	1,000,000
1	-	CLAIMS-MADE A OCCUR	X	İ	DTC08C723232IND15	03/10/2015	03/10/2016	PREMISES (Ea occurrence)	\$	300,000
]								MED EXP (Any one person)	\$	10,000
	GE	N'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	\$	1,000,000
		POLICY X PRO- LOC						GENERAL AGGREGATE	\$	2,000,000
1		OTHER:						PRODUCTS - COMP/OP AGG	\$	2,000,000
	ALI	TOMOBILE LIABILITY						Emp Ben.	\$	1,000,000
	X	7			D.T			COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000
	<del> </del> ^	ANY AUTO ALL OWNED SCHEDULED			DT8108C72323215	03/10/2015	03/10/2016	BODILY INJURY (Per person)	\$	
l		AUTOS AUTOS NON-OWNED						BODILY INJURY (Per accident)	\$	
	-	HIRED AUTOS AUTOS				1		PROPERTY DAMAGE (Per accident)	\$	
<u> </u>	Х	UMBRELLA LIAB X OCCUP							\$	
A	_	EVOESSIAD			/TOMOUROS			EACH OCCURRENCE	\$	5,000,000
^		CLAIMS-MADE			4TSMCUP8C723232IND15	03/10/2015	03/10/2016	AGGREGATE	\$	5,000,000
	WO	DED X RETENTIONS 10,000							\$	
В	AND	EMPLOYERS' LIABILITY						X PER OTH- STATUTE ER		
В	OFF	PROPRIETOR/PARTNER/EXECUTIVE N	N/A		DTJUB6F39307015	03/08/2015	03/08/2016	E.L. EACH ACCIDENT	\$	1,000,000
	If ve	ndatory in NH) s, describe under						E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
c		CRIPTION OF OPERATIONS below	-					E.L. DISEASE - POLICY LIMIT	\$	1,000,000
J	EXC	ess Unibiella			EC01655826153	03/10/2015	03/10/2016	Aggregate		10,000,000
				- 1				Occurrenc		10,000,000
DECC	DIR	TON OF OPERATIONS / LOCATIONS / VEHICL								

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

NYC DDC Project HWPLZ009Q

City of New York including its officials and employees and National Grid are included as additional insured on the General Liability policy per the terms and conditions of form CGD246 08/05 when required by written contract

г	CERTIFICATE HOLDER		CANCELLATION
	New York City Department of Design & Construction (DDC) Director-Insurance Risk Mgr	NYCDE-4	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	30-30 Thompson Ave 4th Floor Long Island City, NY 11101		AUTHORIZED REPRESENTATIVE

			,
			_

# STATE OF NEW YORK WORKERS' COMPENSATION BOARD

#### CERTIFICATE OF NYS WORKERS' COMPENSATION INSURANCE COVERAGE

la. Legal Name and address of Insured (Use street address only)  NY Asphalt, Inc. 366 Industrial Loop Staten Island NY 10309	1b. Business Telephone Number of Insured     718-966-6466      1c. NYS Unemployment Insurance Employer Registration     Number of Insured
	1d. Federal Employer Identification Number of Insured or Social Security Number 134110973
2. Name and Address of the Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder)	3a. Name of Insurance Carrier Travelers Prop Casualty Co of America
New York City Department of Design & Construction (DDC) Director - Insurance Risk Manager 30-30 Thompson Ave, 4th Floor Long Island City NY 11101	3b. Policy Number of entity listed in box "1a": DTJUB6F39307015  3c. Policy effective period: 03/08/15 to 03/08/16  3d. The Proprietor, Partners or Executive Officers are: ☐ Included. (only check box if all partners/officers included) ☐ All excluded or certain partners/officers excluded  3e. Demolition is: (Definition of Demolition on Reverse) ☐ Included. ☐ Excluded.

This certifies that the insurance carrier indicated above in box "3" insures the business referenced above in box "1a" for workers' compensation under the New York State Workers' Compensation Law. (To use this form, New York (NY) must be listed under Item 3A on the INFORMATION PAGE of the workers' compensation insurance policy). The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed above as the certificate holder in box "2".

The Insurance Carrier will also notify the above certificate holder within 10 days IF a policy is canceled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from the coverage indicated on this Certificate. (These notices may be sent by regular mail.) Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in box "3c", whichever is earlier.

Please Note: Upon the cancellation of the workers' compensation policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of Workers' Compensation Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Workers' Compensation Law.

Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the Insurance carrier referenced above and that the named insured has the coverage as depicted on this form.

Approved by:	Richard Gaynor		
	(Print name of authorized represen	tative or licensed agent of insurance carrier)	
Approved by:	8 Sagno	<u>12/10/15</u>	
	(Signature)	(Date)	
Title:	President		
lephone Number of authorized r	epresentative or licensed agent of insu	rance carrier: 973-383-5525	

**Please Note:** Only insurance carriers and their licensed agents are authorized to issue the C-105.2 form. Insurance brokers are NOT authorized to issue it.

### Workers' Compensation Law

# tion 57. Restriction on issue of permits and the entering into contracts unless compensation is secured.

- 1. The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any compensation to any such employee if so employed.
- 2. The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter.

C-105.2 (9-07)

# STATE OF NEW YORK WORKERS' COMPENSATION BOARD

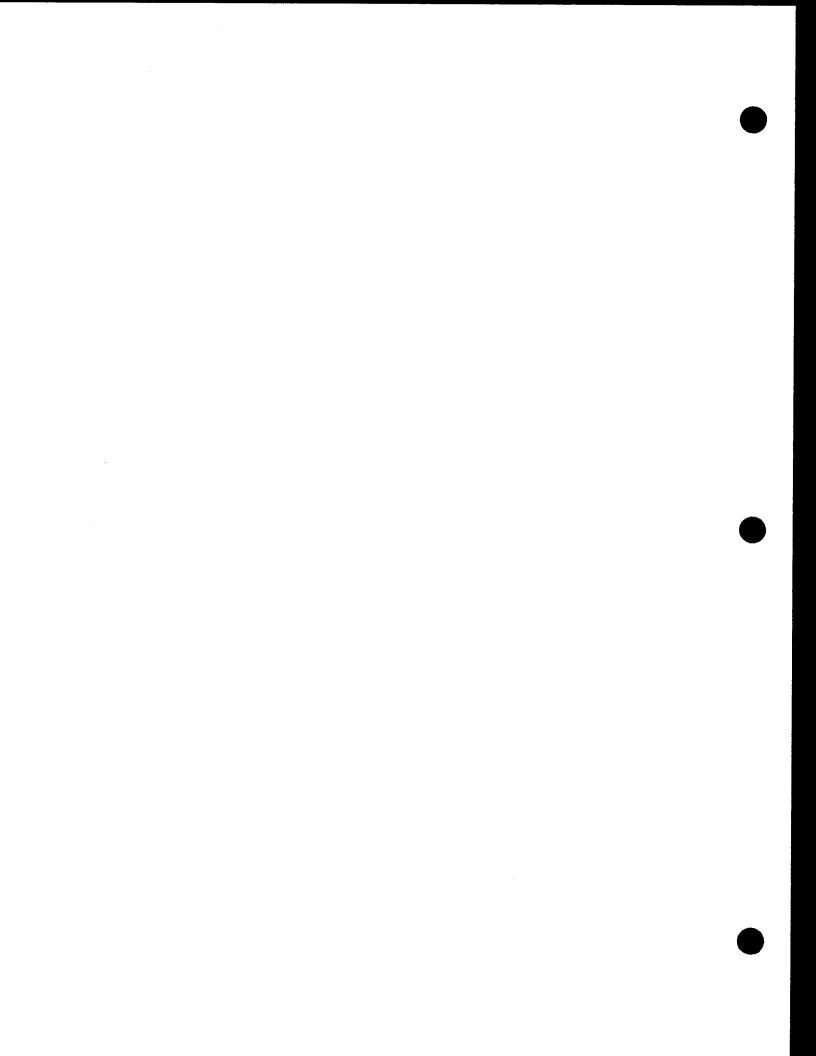
# CERTIFICATE OF INSURANCE COVERAGE UNDER THE NYS DISABILITY BENEFITS LAW

PART 1. To be completed by Disability Benefits Carrier or L	icensed insurance Agent of that Carrier			
1a. Legal Name and Address of Insured (Use street address only) NY ASPHALT, INC. 366 INDUSTRIAL LOOP STATEN ISLAND, NY 10309-1110	1b. Business Telephone Number of Insured (718) 966-6466 1c. NYS Unemployment Insurance Employer Registration Number of Insured 4945872 1d. Federal Employer Identification Number of Insured or Social Security Number 134-11-0973			
<ol> <li>Name and Address of the Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder)</li> <li>New York City Department of Design &amp; Construction (DDC)</li> <li>Director - Insurance Risk Manager 30-30 Thompson Ave, 4th Floor Long Island City, NY 11101</li> </ol>	3a. Name of Insurance Carrier NEW YORK STATE INSURANCE FUND  3b. Policy Number of entity listed in box "la":  DBL 5929 05 - 5 3c. Policy effective period:  04/15/2015 to 04/15/2016			
4. Policy covers:  a. X All of the employer's employees eligible under b. Only the following class or classes of the employees eligible under b. Constant the following class or classes of the employees eligible under b. Constant the employees	r the New York Disability Benefits Law sloyer's employees:			
Directo	thorized representative of NYS Licensed insurance Agent of that insurance carrier)			
Telephone Number (866) 697-4332  Title Director of Disability Benefits Insurance  IMPORTANT: If box "4a" is checked, and this form is signed by the insurance carrier's authorized representative or NYS Licensed Insurance Agent of that carrier, this certificate is COMPLETE. Mail it directly to the certificate holder.  If box "4b" is checked, this certificate is NOT COMPLETE for purposes of Section 220, Subd. 8 of the Disability Benefits Law. It must be mailed for completion to the Workers' Compensation Board, DB Plans Acceptance Unit, 20 Park Street, Albany, New York 12207.				
PART 2. To be completed by NYS Workers' Compensation				
State Of New York Workers' Compensation Board According to information maintained by the NYS Workers' Compensation Board, the above-named employer has complied with the NYS Disability Benefits Law with respect to all of his/her employees.				
Date Signed By	f NYS Workers' Compensation Board Employee)			
(Signature o	f NYS Workers' Compensation Board Employee)			
Telephone Number Title				

Please Note: Only insurance carriers licensed to write NYS disability benefits insurance policies and NYS licensed insurance agents of those insurance carriers are authorized to issue Form DB-120.1. Insurance brokers are NOT authorized to issue this form.

**Certificate Number 352421** 

DB-120.1 (5-06)



# Additional Instructions for Form DB-120.1

By signing this form, the insurance carrier identified in box "3" on this form is certifying that it is insuring the business referenced in box "1a" for disability benefits under the New York State Disability Benefits Law. The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed as the certificate holder in box "2". This Certificate is valid for the earlier of one year after this form is approved by the insurance carrier or its licensed agent, or the policy expiration date listed in box "3c".

Please Note: Upon the cancellation of the disability benefits policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of NYS Disability Benefits Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Disability Benefits Law.

#### DISABILITY BENEFITS LAW

### §220. Subd. 8

- (a) The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in employment as defined in this article, and not withstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that the payment of disability benefits for all employees has been secured as provided by this article. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any disability benefits to any such employee if so employed.
- (b) The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in employment as defined in this article, and notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that the payment of disability benefits for all employees has been secured as provided by this article.

DB-120.1 (5-06) Reverse

Project ID.: HWPLZ009Q

# SCHEDULE A (GENERAL CONDITIONS TO CONSTRUCTION CONTRACT) (GENERAL CONDITIONS RELATING TO ARTICLE 22 – INSURANCE)

# PART III. BROKER'S CERTIFICATION

Pursuant to Article 22.3.3 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 certified copies of all policies referenced in the Certificate of Insurance.

# 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.

	Middleton & Company	
	[Name of broker (typewritten)]	
	186 Halsey Road, Newton NJ 07860 [Address of broker (typewritten)]	
	Linda@middletonins.com [Email address of broker (typewritt	en)]
	973-383-5525 / 973-383-9602 [Phone number/Pax number of broken	rer (typewritten)]
	Signature of authorized official or	broker)
	Linda DiDonato, Account Manager [Name and title of authorized office	ial (typewritten)]
State of New Jersey ) ss County of Sasset )		
) 88 County of)		~~~~
Sworn to before me this 10th de		DAVID M. GAYNOR NOTARY PUBLIC OF NEW JERSEY 1.D. # 50011394 My Commission Expires 3/10/2020
and the second of the second o		

#### 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	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)
	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	2	CLASSIFICATION
	23 061 23 062 23 063	Operating Engineer-Road & Heavy Construction Operating Engineer-Paving Operating Engineer-Concrete
	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
_	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.

This schedule is a compilation of separate determinations of the prevailing rate of wage and supplements made by the Comptroller for each trade classification listed herein pursuant to New York State Labor Law section 220 (5). The source of the wage and supplement rates, whether a collective bargaining agreement, survey data or other, is listed at the end of each classification.

Agency Chief Contracting Officers should contact the Bureau of Labor Law's Classification Unit with any questions concerning trade classifications, prevailing rates or prevailing practices with respect to procurement on New York City public works contracts. Contractors are advised to review the Comptroller's Prevailing Wage Schedule before bidding on public works contracts. Contractors with questions concerning trade classifications, prevailing rates or prevailing practices with respect to public works contracts in the procurement stage must contact the contracting agency responsible for the procurement.

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 not preclude a finding against the contractor of prevailing wage violation.

Any questions concerning trade classifications, prevailing rates or prevailing practices on New York City public works contracts that have already been awarded may be directed to the Bureau of Labor Law's Classification Unit by calling (212) 669-7974. All callers must have the agency name and contract registration number available when calling with questions on public works contracts. 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.

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 to work performed during the effective period, unless otherwise noted. Changes to this schedule are published on our web site www.comptroller.nyc.gov. Contractors must pay the wages and supplements in effect when the worker, laborer, mechanic performs the work. Preliminary schedules for future one-year periods appear in the City Record on or about June 1 each succeeding year. Final schedules appear on or about July 1 in the City Record and on our web site 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 alling (212) 669-4443, Monday through Friday between the hours of 9 a.m. and 5 p.m.

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.

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.

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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	\$
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## **ASBESTOS HANDLER**

(Hazardous Material; Disturbs, removes, encapsulates, repairs, or encloses friable asbestos material)

### **Asbestos Handler**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$36.00

Supplemental Benefit Rate per Hour: \$15.45

#### 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

# **Paid Holidays**

None

Easter

(Local #78 and Local #12A)

#### **BLASTER**

# <u>Blaster</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$45.70

Supplemental Benefit Rate per Hour: \$39.69

# Blaster (Hydraulic)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$46.49

upplemental Benefit Rate per Hour: \$39.69

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# <u> Blaster - Trac Drill Hydraulic</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$41.20

Supplemental Benefit Rate per Hour: \$39.69

Blaster - Wagon: Air Trac: Quarry Bar: Drillrunners

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$40.44

Supplemental Benefit Rate per Hour: \$39.69

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$39.43

Supplemental Benefit Rate per Hour: \$39.69

**Blaster - Powder Carriers** 

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$35.66

Supplemental Benefit Rate per Hour: \$39.69

Blaster - Hydraulic Trac Drill Chuck Tender

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$34.42

Supplemental Benefit Rate per Hour: \$39.69

Blaster - Chuck Tender & Nipper

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$33.69

Supplemental Benefit Rate per Hour: \$39.69

Blaster - Magazine Keepers: (Watch Person)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$20.30

Supplemental Benefit Rate per Hour: \$39.69

**Overtime Description** 

Magazine Keepers:

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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

# <u>Boilermaker</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$50.45

Supplemental Benefit Rate per Hour: \$41,31

Supplemental Note: For time and one half overtime - \$61.37; For double overtime - \$81.43.

**Overtime Description** 

For Repair and Maintenance work:

me and one half the regular rate after an 8 hour day.

ime and one half the regular rate for Saturday.

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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 ½) 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$47.78

Supplemental Benefit Rate per Hour: \$28.03

#### **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
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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$49.88

Supplemental Benefit Rate per Hour: \$44.10

#### **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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$48.35

Supplemental Benefit Rate per Hour: \$46.12

#### **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**

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. The wage rate shall be 113% of the straight time hourly wage rate.

Carpenters District Council)

### **CEMENT & CONCRETE WORKER**

# **Cement & Concrete Worker**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$42.38

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). lew 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**

# <u>ement Mason</u>

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Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$38.88

Supplemental Benefit Rate per Hour: \$39.80

Supplemental Note: For time and one half overtime - \$49.05; For double overtime - \$58.30

**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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$35.71

Supplemental Benefit Rate per Hour: \$21.69

# Core Driller Helper

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$28.60

Supplemental Benefit Rate per Hour: \$21.69

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# Core Driller Helper(Third year in the industry)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$25.74

Supplemental Benefit Rate per Hour: \$21.69

### Core Driller Helper (Second year in the industry)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$22.88

Supplemental Benefit Rate per Hour: \$21.69

# Core Driller Helper (First year in the industry)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$20.02

Supplemental Benefit Rate per Hour: \$21.69

### **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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$42.25

Supplemental Benefit Rate per Hour: \$47.81

Supplemental Note: The above supplemental rate applies for work performed in Manhattan, Bronx, Brooklyn and

Queens. \$49.23 - For work performed in Staten Island.

### **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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$61.30

Supplemental Benefit Rate per Hour: \$46.12

Diver Tender (Marine)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$43.45

Supplemental Benefit Rate per Hour: \$46.12

#### **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, llowing for one half hour for lunch.

(Carpenters District Council)

#### **DOCKBUILDER - PILE DRIVER**

# **Dockbuilder - Pile Driver**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$48.35

Supplemental Benefit Rate per Hour: \$46.12

#### **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).

ew Year's Day resident'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. The wage rate shall be 113% of the straight time hourly wage rate.

(Carpenters District Council)

**DRIVER: TRUCK (TEAMSTER)** 

### **Driver - Dump Truck**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$38.86

Supplemental Benefit Rate per Hour: \$40.44

Supplemental Note: Over 40 hours worked: time and one half rate \$16.94, double time rate \$22.59

# **Driver - Tractor Trailer**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$38.88

Supplemental Benefit Rate per Hour: \$41.70

Supplemental Note: For over 40 hours worked: at time and one half - \$15.90; at double time - \$21.21

# **Driver - Euclid & Turnapull Operator**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$39.44

Supplemental Benefit Rate per Hour: \$41.70

Supplemental Note: Over 40 hours worked: time and one half rate \$15.90, double time rate \$21.21

**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.

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rime 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

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 (Sand & Gravel)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$36.05

Supplemental Benefit Rate per Hour: \$38.60

Supplemental Note: Over 40 hours worked: time and one half rate \$13.53, double time rate \$18.04

# **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
teran's Day

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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: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$47.54

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$50.03

# Electrician "A" (Regular Day Overtime)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$79.50

Supplemental Benefit Rate per Hour: \$50.86

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$81.00

Supplemental Benefit Rate per Hour: \$53.41

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# Electrician "A" (Day Shift)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$47.54

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$50.03

# Electrician "A" (Day Shift Overtime After 8 hours)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$79.50

Supplemental Benefit Rate per Hour: \$50.86

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$81.00

Supplemental Benefit Rate per Hour: \$53.41

# **Electrician "A" (Swing Shift)**

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$62.19

Supplemental Benefit Rate per Hour: \$54.07

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$63.36

Supplemental Benefit Rate per Hour: \$56.94

# **Electrician "A" (Swing Shift Overtime After 7.5 hours)**

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$93.29

Supplemental Benefit Rate per Hour: \$57.97

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$95.04

Supplemental Benefit Rate per Hour: \$60.91

# Electrician "A" (Graveyard Shift)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$69.66

Supplemental Benefit Rate per Hour: \$59.59

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$70.97

upplemental Benefit Rate per Hour: \$62.78

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# Electrician "A" (Graveyard Shift Overtime After 7 hours)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$104.49

Supplemental Benefit Rate per Hour: \$63.96

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$106.46

Supplemental Benefit Rate per Hour: \$67.23

#### **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. For three or less workers performing 8 hours temporary light and/or power the supplemental benefit rate is \$23.63. Effective 5/13/2015 - \$24.39.

# 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: 7/1/2014 - 5/12/2015

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

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$27.50

Supplemental Benefit Rate per Hour: \$20.82

First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$26.80 First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$20.46 First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$23.00 First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$18.56

### **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: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$40.50

Supplemental Benefit Rate per Hour: \$22.01

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

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$41.25

Supplemental Benefit Rate per Hour: \$22.54

First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$40.20 First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$22.14 First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$34.50 First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$20.00

#### **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
Martin Luther King Jr. Day
President's Day
Memorial Day
Independence Day
Independence Day
Independence Day
Independence Day

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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: 7/1/2014 - 6/30/2015

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

At least 1 year of employment......ten (10) days 5 years or more of employment.....fifteen (15) days 10 years of employment......twenty (20) days

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: 7/1/2014 - 5/19/2015

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$49.34

Effective Period: 5/20/2015 - 6/30/2015

Wage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$51.86

## **Electrician - Electro Pole Foundation Installer**

Effective Period: 7/1/2014 - 5/19/2015

Wage Rate per Hour: \$40.18

Supplemental Benefit Rate per Hour: \$37.73

Effective Period: 5/20/2015 - 6/30/2015

Wage Rate per Hour: \$40.93

Supplemental Benefit Rate per Hour: \$39.46

## Electrician - Electro Pole Maintainer

Effective Period: 7/1/2014 - 5/19/2015

Wage Rate per Hour: \$34.40

Supplemental Benefit Rate per Hour: \$34.00

Effective Period: 5/20/2015 - 6/30/2015

Wage Rate per Hour: \$35.05

Supplemental Benefit Rate per Hour: \$35.51 `

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### **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 Dav

Martin Luther King Jr. Day President's Day **Memorial Day** Independence Day **Labor Dav Columbus Day** Veteran's Day Thanksgiving Day Day after Thanksgiving **Christmas Day** 

#### Paid Holidays

None

(Local #3)

#### **ELEVATOR CONSTRUCTOR**

## Elevator Constructor

Effective Period: 7/1/2014 - 3/16/2015

Wage Rate per Hour: \$58.23

Supplemental Benefit Rate per Hour: \$29.47

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate per Hour: \$59.55

Supplemental Benefit Rate per Hour: \$31.07

### 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.

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**

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bouble 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: 7/1/2014 - 3/16/2015

Wage Rate per Hour: \$46.00

Supplemental Benefit Rate per Hour: \$28.78

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate per Hour: \$46.92

Supplemental Benefit Rate per Hour: \$30.91

#### 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 dependence Day

Labor Day
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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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 hachines of a similar nature; vermeers.

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$39.10

applemental Benefit Rate per Hour: \$31.93 applemental Note: \$57.46 on overtime

Shift Wage Rate: \$62.56

# **Engineer - Heavy Construction Maintenance Engineer IV**

On Pumps and Mixers including mud sucking

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$53.43

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Supplemental Benefit Rate per Hour: \$31.93
Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$85.49

### **Engineer - Steel Erection Oiler II**

On a Crawler Crane

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Vage Rate per Hour: \$54.04

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Supplemental Benefit Rate per Hour: \$31.93 Supplemental Note: \$57.46 on overtime

# Engineer - Building Work Maintenance Engineers II

On Pumps, Generators, Mixers and Heaters

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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

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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

**Shift Rates** 

Off Shift: double time the regular hourly rate.

(Local #15)

### **ENGINEER - CITY SURVEYOR AND CONSULTANT**

## Party Chief

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$35.55

Supplemental Benefit Rate per Hour: \$17.65

### **Instrument Person**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$29.41

Supplemental Benefit Rate per Hour: \$17.65

# Rodperson

Effective Period: 7/1/2014 - 6/30/2015

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
hanksgiving Day
ay after Thanksgiving

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**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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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

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(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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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

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(Operating Engineer Local #15-D)

# ENGINEER - FIELD (STEEL ERECTION)

# Field Engineer - Steel Erection Party Chief

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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

Memoriai Day

Independence Day

**Labor Day** 

Columbus Day

Veteran's Day

Thanksgiving 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**

Back Filling Machines, Cranes, Mucking Machines and Dual Drum Paver.

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$70.63

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$113.01

# perating Engineer - Road & Heavy Construction V

Pile Drivers & Rigs (employing Dock Builder foreperson): Derrick Boats, Tunnel Shovels.

Effective Period: 7/1/2014 - 6/30/2015

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**

Mixers (Concrete with loading attachment), Concrete Pavers, Cableways, Land Derricks, Power Houses (Low Air

Pressure Units).

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$62.53

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$100.05

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# Operating Engineer - Road & Heavy Construction X

Elevators (manually operated as personnel hoist).

Effective Period: 7/1/2014 - 6/30/2015

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**

Compressors (Portable 3 or more in battery), Driving of Truck Mounted Compressors, Well-point Pumps, Tugger Machines Well Point Pumps, Churn Drill.

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$61.53

Supplemental Benefit Rate per Hour: \$28.60 Eupplemental Note: \$51.75 overtime hours

hift Wage Rate: \$98.45

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# **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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$41.44

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$66.30

# **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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$65.76

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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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$64.04

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$102.46

# **Operating Engineer - Paving III**

**Asphalt Plants** 

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$56.16

pplemental Benefit Rate per Hour: \$28.60 pplemental Note: \$51.75 overtime hours

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# **Operating Engineer - Steel Erection I**

**Three Drum Derricks** 

Effective Period: 7/1/2014 - 6/30/2015

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.

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$57.82

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

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# 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: 7/1/2014 - 6/30/2015

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** 

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$63.58

Supplemental Benefit Rate per Hour: \$28.60 Supplemental Note: \$51.75 overtime hours

# perating Engineer - Building Work VII

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#### Rack & Pinion and House Cars

Effective Period: 7/1/2014 - 6/30/2015

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.

#### **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

#### **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: JULY 1, 2014 THROUGH JUNE 30, 2015 Page 42 of 84 **PUBLISH DATE: 7/1/2014** 

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$49.88

Supplemental Benefit Rate per Hour: \$44.10

#### **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.

#### **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. /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)

## <u>Glazier</u>

Effective Period: 7/1/2014 - 10/31/2014

Wage Rate per Hour: \$42.50

Supplemental Benefit Rate per Hour: \$35.09

Supplemental Note: Supplemental Benefit Overtime Rate: \$43.59

Effective Period: 11/1/2014 - 6/30/2015

Vage Rate per Hour: \$42.85

upplemental Benefit Rate per Hour: \$35.59

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Supplemental Note: Supplemental Benefit Overtime Rate: \$44.09

### **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

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$23.60

Supplemental Benefit Rate per Hour: \$19.04

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### **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: 7/1/2014 - 6/30/2015

Vage Rate per Hour: \$56.98

Supplemental Benefit Rate per Hour: \$34.81

## **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

riple time the regular rate for work on the following holiday(s).

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## **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 will be Tier A House Wreckers (i.e. 1st, 2nd, 11th, 14th etc). Other House Wreckers may be Tier B House Wreckers.

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$34.51

Supplemental Benefit Rate per Hour: \$25.59

# House Wrecker - Tier B

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$24.02

Supplemental Benefit Rate per Hour: \$19.12

#### **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** 



(Mason Tenders District Council)

#### IRON WORKER - ORNAMENTAL

### <u> Iron Worker - Ornamental</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$42.70

Supplemental Benefit Rate per Hour: \$45.77

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.

### Dvertime

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$47.75

Supplemental Benefit Rate per Hour: \$65.35

Supplemental Note: Supplemental benefits are to be paid at the applicable overtime rate when overtime is in

effect.

#### **Overtime Description**

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$39.85

Supplemental Benefit Rate per Hour: \$34.88

#### **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

Memorial Day
Independence Day
Labor Day
Columbus Day
Presidential Election Day
Thanksgiving Day
hristmas 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 ½), 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.)

andscaper (Above 6 years experience)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$25.75

Supplemental Benefit Rate per Hour: \$13.80

### Landscaper (3 - 6 years experience)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$24.75

Supplemental Benefit Rate per Hour: \$13.80

### Landscaper (up to 3 years experience)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$22.25

Supplemental Benefit Rate per Hour: \$13.80

### Groundperson

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$22.25

Supplemental Benefit Rate per Hour: \$13.80

### Tree Remover / Pruner

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$30.75

Supplemental Benefit Rate per Hour: \$13.80

# **Landscaper Sprayer (Pesticide Applicator)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$20.75

Supplemental Benefit Rate per Hour: \$13.80

## Watering - Plant Maintainer

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$15.75

Supplemental Benefit Rate per Hour: \$13.80

#### **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.

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### **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: 7/1/2014 - 12/31/2014

Wage Rate per Hour: \$50.85

Supplemental Benefit Rate per Hour: \$34.21

Effective Period: 1/1/2015 - 6/30/2015

Wage Rate per Hour: \$51.15

Supplemental Benefit Rate per Hour: \$34.87

## Marble Finisher

Effective Period: 7/1/2014 - 12/31/2014

Wage Rate per Hour: \$39.99

Supplemental Benefit Rate per Hour: \$33.34

Effective Period: 1/1/2015 - 6/30/2015

Wage Rate per Hour: \$40.26

Supplemental Benefit Rate per Hour: \$33.90

### **Marble Polisher**

Effective Period: 7/1/2014 - 12/31/2014

Wage Rate per Hour: \$35.96

Supplemental Benefit Rate per Hour: \$25.92

Effective Period: 1/1/2015 - 6/30/2015

Wage Rate per Hour: \$36.25

Supplemental Benefit Rate per Hour: \$26.28

### **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

(Local #7)

#### MASON TENDER

# **Mason Tender**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$36.05

Supplemental Benefit Rate per Hour: \$26.74

#### **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

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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.)

# <u> Mason Tender Tier A</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$34.99

Supplemental Benefit Rate per Hour: \$21.10

# 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$24.18

Supplemental Benefit Rate per Hour: \$15.42

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Sunday.

### Overtime Holidays

puble time the regular rate for work on the following holiday(s). w Year's Day

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President's Day Memorial Day Independence Day Labor Day Thanksgiving Day Christmas Day

### **Paid Holidays**

None

(Local #79)

#### METALLIC LATHER

### **Metallic Lather**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$42.03

Supplemental Benefit Rate per Hour: \$41.07

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

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**

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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

### **Millwright**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$48.44

Supplemental Benefit Rate per Hour: \$50.52

#### **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.

ocal #740)

#### **MOSAIC MECHANIC**

### Mosaic Mechanic - Mosaic & Terrazzo Mechanic

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$45.23

Supplemental Benefit Rate per Hour: \$36.59

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$47.56 per hour.

#### Mosaic Mechanic - Mosaic & Terrazzo Finisher

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$43.63

Supplemental Benefit Rate per Hour: \$36.57

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$47.54 per hour.

### Mosaic Mechanic - Machine Operator Grinder

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$43.63

Supplemental Benefit Rate per Hour: \$36.57

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$47.54per 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

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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**

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$36.15

Supplemental Benefit Rate per Hour: \$9.66

## ourneyperson

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$34.00

Supplemental Benefit Rate per Hour: \$12.60

Supplemental Note: Overtime Supplemental Benefit rate - \$8.35 New Hire Rate (0-3 months) - \$0.00

## Lineperson (thermoplastic)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$38.00

Supplemental Benefit Rate per Hour: \$12.60

Supplemental Note: Overtime Supplemental Benefit rate - \$8.35; 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.

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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 ired after 4/1/12 who do not have 2 years of service.

(Local #917)

# **PAINTER - STRUCTURAL STEEL**

# Painters on Structural Steel

Effective Period: 7/1/2014 - 9/30/2014

Wage Rate per Hour: \$47.00

Supplemental Benefit Rate per Hour: \$33.58

Effective Period: 10/1/2014 - 6/30/2015

Wage Rate per Hour: \$48.75

Supplemental Benefit Rate per Hour: \$34.58

# <u>Painter - Power Tool</u>

Effective Period: 7/1/2014 - 9/30/2014

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$33.58

ctive Period: 10/1/2014 - 6/30/2015

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Wage Rate per Hour: \$54.75

Supplemental Benefit Rate per Hour: \$34.58

**Overtime Description** 

Supplemental Benefits shall be paid for each hour worked, up to forty (40) hours per week for the period of May 1st to November 15th or up to fifty (50) hours per week for the period of November 16th to April 30th.

#### **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

# **Paid Holidays**

**Christmas Day** 

None

#### **Shift Rates**

Regular hourly rates plus a ten per cent (10%) differential

(Local #806)

## PAPERHANGER

## **Paperhanger**

Effective Period: 7/1/2014 - 6/30/2015

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

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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: 7/1/2014 - 6/30/2015

Nage Rate per Hour: \$44.19

Supplemental Benefit Rate per Hour: \$35.15

#### 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 and repair of temporary construction fencing; slurry seal coating, maintenance of safety surfaces; play equipment installation, and other related work.

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$40.32

Supplemental Benefit Rate per Hour: \$35.15

## 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$45.24

upplemental Benefit Rate per Hour: \$35.15

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### Production Paver & Roadbuilder - Raker

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$44.73

Supplemental Benefit Rate per Hour: \$35.15

#### 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$41.44

Supplemental Benefit Rate per Hour: \$35.15

#### **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

#### **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 ½) 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 15% 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$42.43

Supplemental Benefit Rate per Hour: \$27.95

#### **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

residential 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.

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 (½) hour to eat with this time being included in the seven (7) hours of work.

(Local #530)

## **PLASTERER - TENDER**

# <u> Plasterer - Tender</u>

ective Period: 7/1/2014 - 6/30/2015

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Wage Rate per Hour: \$35.53

Supplemental Benefit Rate per Hour: \$26.31

#### **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.

(Mason Tenders District Council)

#### PLUMBER

## **Plumber**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$65.27

Supplemental Benefit Rate per Hour: \$25.78

Supplemental Note: Overtime supplemental benefit rate per hour: \$40.78

# Plumber - Temporary Services

Temporary Services - When there are no Plumbers on the job site, there may be three shifts designed to cover the entire twenty-four hour period, including weekends if necessary, at the following rate straight time.

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$52.24

Supplemental Benefit Rate per Hour: \$20.20

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**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 nillion 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.)

## <u>Plumber</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$38.27

Supplemental Benefit Rate per Hour: \$12.84

#### **Overtime**

Time and one half the regular rate after an 8 hour day. Time and one half the regular rate for Saturday. e and one half the regular rate for Sunday.

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**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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$45.19

Supplemental Benefit Rate per Hour: \$18.79

#### 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 Dav** 

**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**

Oil Trades (Installation and Maintenance)

## Plumber - Pump & Tank

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$62.83

Supplemental Benefit Rate per Hour: \$21.37

#### **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
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)

ointer - Waterproofer, Caulker Mechanic

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$47.41

Supplemental Benefit Rate per Hour: \$24.40

#### **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

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$40.70

Supplemental Benefit Rate per Hour: \$28.67

#### **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** 

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President's Day **Memorial Day** 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$47.41

Supplemental Benefit Rate per Hour: \$24.40

#### **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 Dav** 

Thanksgiving Day

**Christmas Day** 

## Paid Holidays

None



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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)

## SHEET METAL WORKER

# **Sheet Metal Worker**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$46.21

Supplemental Benefit Rate per Hour: \$43.89

Supplemental Note: Supplemental benefit contributions are to be made at the applicable overtime rates.

# 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$36.97

Supplemental Benefit Rate per Hour: \$43.89

# Sheet Metal Worker - Duct Cleaner

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$12.90

Supplemental Benefit Rate per Hour: \$8.07

#### 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** 



#### **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 Vorkers shall be utilized thereafter.

Effective Period: 7/1/2014 - 6/30/2015

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

# aid Holidays

None

(Local #28)

## SHIPYARD WORKER

# Shipyard Mechanic - First Class

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$23.83

Supplemental Benefit Rate per Hour: \$2.87

# **Shipyard Mechanic - Second Class**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$15.44

Supplemental Benefit Rate per Hour: \$2.54

# Shipyard Laborer - First Class

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$19.28

Supplemental Benefit Rate per Hour: \$2.69

# Shipyard Laborer - Second Class

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$12.36

Supplemental Benefit Rate per Hour: \$2.43

# Shipyard Dockhand - First Class

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$22.68

Supplemental Benefit Rate per Hour: \$2.82

# **Shipyard Dockhand - Second Class**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$14.22

Supplemental Benefit Rate per Hour: \$2.50

**Overtime Description** 

Work performed on holiday is paid double time the regular hourly wage rate plus holiday pay.

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#### 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 hourly rate after 40 hours in any work week.

#### **Paid Holidays**

New Year's Day
Martin Luther King Jr. Day
President's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

**Based on Survey Data** 

# SIGN ERECTOR (Sheet Metal, Plastic, Electric, and Neon)

## Sign Erector

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$44.20

Supplemental Benefit Rate per Hour: \$44.10

#### 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

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#### **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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$53.25

Supplemental Benefit Rate per Hour: \$51.04

Supplemental Note: Overtime supplemental benefit rate: \$101.34

#### **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.

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Effective Períod: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$53.25

Supplemental Benefit Rate per Hour: \$51.04

Supplemental Note: Overtime supplemental benefit rate: \$101.34

#### **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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$38.30

upplemental Benefit Rate per Hour: \$12.76

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# Refrigeration and Air Conditioner Service Person V

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$31.47

Supplemental Benefit Rate per Hour: \$11.55

# Refrigeration and Air Conditioner Service Person IV

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$26.07

Supplemental Benefit Rate per Hour: \$10.52

# 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$22.38

Supplemental Benefit Rate per Hour: \$9.76

# 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$18.56

Supplemental Benefit Rate per Hour: \$9.06

## 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$13.57

Supplemental Benefit Rate per Hour: \$8.30

#### 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

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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

(Local #638B)

# STONE MASON - SETTER

# Stone Mason - Setters

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$46.56

Supplemental Benefit Rate per Hour: \$36.40

#### **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

day on Christmas Eve if work is performed in the A.M.

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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: 7/1/2014 - 12/30/2014

Wage Rate per Hour: \$45.32

Supplemental Benefit Rate per Hour: \$22.66

Effective Period: 12/31/2014 - 6/30/2015

Wage Rate per Hour: \$45.82

Supplemental Benefit Rate per Hour: \$22.66

#### 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

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.

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$39.18

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. 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
ndependence Day
Labor Day
Columbus 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$38.80

Supplemental Benefit Rate per Hour: \$28.03

#### **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 (1%) 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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$49.88

Supplemental Benefit Rate per Hour: \$32.36

#### **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

### 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.

## <u>Timberperson</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$44.33

Supplemental Benefit Rate per Hour: \$45.39

#### **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.

Time and one half the regular hourly rate after 40 hours in any work week.



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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. The wage rate shall be 113% of the straight time hourly wage rate.

(Local #1536)

#### TUNNEL WORKER

# Blasters, Mucking Machine Operators (Compressed Air Rates)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$54.20

Supplemental Benefit Rate per Hour: \$48.20

# Tunnel Workers (Compressed Air Rates)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$52.31

Supplemental Benefit Rate per Hour: \$46.59

# Top Nipper (Compressed Air Rates)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$51.35

Supplemental Benefit Rate per Hour: \$45.78

# Outside Lock Tender, Outside Gauge Tender, Muck Lock Tender (Compressed Air Rates)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$50.42

Supplemental Benefit Rate per Hour: \$44.91

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# Bottom Bell & Top Bell Signal Person: Shaft Person (Compressed Air Rates)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$50.42

Supplemental Benefit Rate per Hour: \$44.92

# Changehouse Attendant: Powder Watchperson (Compressed Air Rates)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$43.94

Supplemental Benefit Rate per Hour: \$42.55

# **Blasters (Free Air Rates)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$51.72

Supplemental Benefit Rate per Hour: \$46.03

# **Tunnel Workers (Free Air Rates)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$49.48

Supplemental Benefit Rate per Hour: \$44.06

# All Others (Free Air Rates)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$45.73

Supplemental Benefit Rate per Hour: \$40.75

# Microtunneling (Free Air Rates)

Effective Period: 7/1/2014 - 6/30/2015

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).

aid Holidays W Year's Day

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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.

# 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 egistered 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)

# **Asbestos Handler (First 1000 Hours)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 78% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.45

# Asbestos Handler (Second 1000 Hours)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.45

# **Asbestos Handler (Third 1000 Hours)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 83% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.45

# Asbestos Handler (Fourth 1000 Hours)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 89% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.45

(Local #78)

#### BOILERMAKER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# **Boilermaker (First Year)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$29.74

# **Boilermaker (Second Year: 1st Six Months)**

Effective Period: 7/1/2014 - 6/30/2015

Vage Rate Per Hour: 75% of Journeyperson's rate applemental Benefit Rate Per Hour: \$31.40

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# **Boilermaker (Second Year: 2nd Six Months)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 75% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$33.05

### Boilermaker (Third Year: 1st Six Months)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rat Supplemental Benefit Rate Per Hour: \$34.69

## Boilermaker (Third Year: 2nd Six Months)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 85% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$36.34

# Boilermaker (Fourth Year: 1st Six Months)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 90% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$38.00

### Boilermaker (Fourth Year: 2nd Six Months)

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$17.10

## Bricklayer (Second 750 Hours)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 60% of Journeyperson's rate

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Supplemental Benefit Rate Per Hour: \$17.10

### Bricklayer (Third 750 Hours)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$17.10

## **Bricklayer (Fourth 750 Hours)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$17.10

### **Bricklayer (Fifth 750 Hours)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$17.10

## Bricklayer (Sixth 750 Hours)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 95% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$17.10

(Bricklayer District Council)

#### CARPENTER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

## Carpenter (First Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 40% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$30.25

# Carpenter (Second Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$30.25

## Carpenter (Third Year)

ective Period: 7/1/2014 - 6/30/2015

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Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$30.25

### Carpenter (Fourth Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$30.25

(Carpenters District Council)

#### **CEMENT MASON**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

### Cement Mason (First Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's Rate

## Cement Mason (Second Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's Rate

## Cement Mason (Third Year)

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$18.04

# Cement & Concrete Worker (501 - 1000 hours)

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Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$18.87

#### Cement & Concrete Worker (1001 - 2000 hours)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$24.25

#### Cement & Concrete Worker (2001 - 4000 hours)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$25.07

(Cement Concrete Workers District Council)

# **DERRICKPERSON & RIGGER (STONE)**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

## Derrickperson & Rigger (stone) - First Year

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

## <u> Derrickperson & Rigger (stone) - Third Year</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

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(Local #197)

#### DOCKBUILDER/PILE DRIVER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

#### Dockbuilder/Pile Driver (First Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 40% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.26

#### Dockbuilder/Pile Driver (Second Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.26

#### Dockbuilder/Pile Driver (Third Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.26

## Dockbuilder/Pile Driver (Fourth Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.26

(Carpenters District Council)

#### **ELECTRICIAN**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

# **Electrician (First Term: 0-6 Months)**

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$12.50

Supplemental Benefit Rate per Hour: \$11.10
Overtime Supplemental Rate Per Hour: \$11.93

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Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$13.00

Supplemental Benefit Rate per Hour: \$11.61 Overtime Supplemental Rate Per Hour: \$12.47

#### **Electrician (First Term: 7-12 Months)**

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$13.50

Supplemental Benefit Rate per Hour: \$11.62
Overtime Supplemental Rate Per Hour: \$12.51

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$12.12
Overtime Supplemental Rate Per Hour: \$13.04

#### Electrician (Second Term: 0-6 Months)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$14.50

Supplemental Benefit Rate per Hour: \$12.13
Overtime Supplemental Rate Per Hour: \$13.08

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$15.00

Supplemental Benefit Rate per Hour: \$12.63
Overtime Supplemental Rate Per Hour: \$13.62

#### Electrician (Second Term: 7-12 Months)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$15.50

Supplemental Benefit Rate per Hour: \$12.64
Overtime Supplemental Rate Per Hour: \$13.66

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$16.00

Supplemental Benefit Rate per Hour: \$13.14
Overtime Supplemental Rate Per Hour: \$14.19

#### **Electrician (Third Term: 0-6 Months)**

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$16.50

Supplemental Benefit Rate per Hour: \$13.15
Overtime Supplemental Rate Per Hour: \$14.23

ffective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$17.00

Supplemental Benefit Rate per Hour: \$13.65
Overtime Supplemental Rate Per Hour: \$14.77

#### Electrician (Third Term: 7-12 Months)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$17.50

Supplemental Benefit Rate per Hour: \$13.65
Overtime Supplemental Rate Per Hour: \$14.81

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$18.00

Supplemental Benefit Rate per Hour: \$14.16
Overtime Supplemental Rate Per Hour: \$15.34

#### **Electrician (Fourth Term: 0-6 Months)**

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$18.50

Supplemental Benefit Rate per Hour: \$14.16
Overtime Supplemental Rate Per Hour: \$15.38

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$19.00

Supplemental Benefit Rate per Hour: \$14.67
Overtime Supplemental Rate Per Hour: \$15.92

#### Electrician (Fourth Term: 7-12 Months)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$20.50

Supplemental Benefit Rate per Hour: \$15.18
Overtime Supplemental Rate Per Hour: \$16.53

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$21.00

Supplemental Benefit Rate per Hour: \$15.68
Overtime Supplemental Rate Per Hour: \$17.07

#### Electrician (Fifth Term: 0-12 Months - Hired on or after 5/10/07)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$22.50

Supplemental Benefit Rate per Hour: \$18.06
Overtime Supplemental Rate Per Hour: \$19.47

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$23.00

Supplemental Benefit Rate per Hour: \$18.56
Overtime Supplemental Rate Per Hour: \$20.00

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#### Electrician (Fifth Term: 13-18 Months - Hired on or after 5/10/07)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$27.00

Supplemental Benefit Rate per Hour: \$20.32

Overtime Supplemental Rate Per Hour: \$22.01

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$27.50

Supplemental Benefit Rate per Hour: \$20.82 Overtime Supplemental Rate Per Hour: \$22.54

#### Electrician (Fifth Term: 0-18 Months - Hired before 5/10/07)

Effective Period: 7/1/2014 - 5/12/2015

Wage Rate per Hour: \$26.30

Supplemental Benefit Rate per Hour: \$19.96 Overtime Supplemental Rate Per Hour: \$21.61

Effective Period: 5/13/2015 - 6/30/2015

Wage Rate per Hour: \$26.80

Supplemental Benefit Rate per Hour: \$20.46
Overtime Supplemental Rate Per Hour: \$22.14

#### **Overtime Description**

Overtime Wage paid at time and one half the regular rate 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: 7/1/2014 - 3/16/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.46

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$26.94

#### Elevator (Constructor) - Second Year

Effective Period: 7/1/2014 - 3/16/2015

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.86

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$27.35

#### Elevator (Constructor) - Third Year

Effective Period: 7/1/2014 - 3/16/2015

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$26.66

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$28.17

#### Elevator (Constructor) - Fourth Year

Effective Period: 7/1/2014 - 3/16/2015

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$27.46

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$29.00

(Local #1)

#### **ELEVATOR REPAIR & MAINTENANCE**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)

#### Elevator Service/Modernization Mechanic (First Year)

Effective Period: 7/1/2014 - 3/16/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Per Hour: \$24.85

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Per Hour: \$26.87

#### Elevator Service/Modernization Mechanic (Second Year)

PUBLISH DATE: 7/1/2014 EFFECTIVE PERIOD: JULY 1, 2014 THROUGH JUNE 30, 2015 Page 12 of 34

Effective Period: 7/1/2014 - 3/16/2015

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Benefit Per Hour: \$25.24

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Benefit Per Hour: \$27.27

#### Elevator Service/Modernization Mechanic (Third Year)

Effective Period: 7/1/2014 - 3/16/2015

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Per Hour: \$26.02

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.08

#### **Elevator Service/Modernization Mechanic (Fourth Year)**

Effective Period: 7/1/2014 - 3/16/2015

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Per Hour: \$26.81

Effective Period: 3/17/2015 - 6/30/2015

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.89

(Local #1)

#### **ENGINEER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 5)

#### **Engineer - First Year**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$22.49

Supplemental Benefit Rate per Hour: \$20.68

#### **Engineer - Second Year**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$28.11

Supplemental Benefit Rate per Hour: \$20.68

#### <u>ngineer - Third Year</u>

PUBLISH DATE: 7/1/2014 EFFECTIVE PERIOD: JULY 1, 2014 THROUGH JUNE 30, 2015 Page 13 of 34

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$20.92

Supplemental Benefit Rate per Hour: \$20.68

#### **Engineer - Fourth Year**

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate Per Hour 40% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$18.60

#### **Operating Engineer - Second Year**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$18.60

#### **Operating Engineer - Third Year**

Effective Period: 7/1/2014 - 6/30/2015

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)

PUBLISH DATE: 7/1/2014 EFFECTIVE PERIOD: JULY 1, 2014 THROUGH JUNE 30, 2015 Page 14 of 34

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.25

#### Floor Coverer (Second Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.25

#### Floor Coverer (Third Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.25

#### Floor Coverer (Fourth Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.25

(Carpenters District Council)

#### GLAZIER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

#### **Glazier (First Year)**

Effective Period: 7/1/2014 - 10/31/2014

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$12.97

Effective Period: 11/1/2014 - 6/30/2015

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$13.12

#### <u> Glazier (Second Year)</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$22.25

#### Glazier (Third Year)

PUBLISH DATE: 7/1/2014 EFFECTIVE PERIOD: JULY 1, 2014 THROUGH JUNE 30, 2015 Page 15 of 34

Effective Period: 7/1/2014 - 10/31/2014

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$24.75

Effective Period: 11/1/2014 - 6/30/2015

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.10

#### Glazier (Fourth Year)

Effective Period: 7/1/2014 - 10/31/2014

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$29.87

Effective Period: 11/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.02

(Local #1281)

#### **HEAT & FROST INSULATOR**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

#### **Heat & Frost Insulator (First Year)**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

#### **Heat & Frost Insulator (Second Year)**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

#### Heat & Frost Insulator (Third Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 70% of Journeyperson's rate

#### Heat & Frost Insulator (Fourth Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

(Local #12)

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# HOUSE WRECKER (TOTAL DEMOLITION)

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

#### **House Wrecker - First Year**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$20.52

Supplemental Benefit Rate per Hour: \$16.60

#### House Wrecker - Second Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$21.67

Supplemental Benefit Rate per Hour: \$16.60

#### House Wrecker - Third Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$23.27

Supplemental Benefit Rate per Hour: \$16.60

#### House Wrecker - Fourth Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$25.83

Supplemental Benefit Rate per Hour: \$16.60

(Mason Tenders District Council)

#### **IRON WORKER - ORNAMENTAL**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

#### <u>Iron Worker (Ornamental) - 1st Ten Months</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$35.15

#### on Worker (Ornamental) - 11 -16 Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$36.21

#### <u>Iron Worker (Ornamental) - 17 - 22 Months</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$37.27

#### Iron Worker (Ornamental) - 23 - 28 Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$39.40

#### Iron Worker (Ornamental) - 29 - 36 Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$41.52

(Local #580)

#### **IRON WORKER - STRUCTURAL**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

#### Iron Worker (Structural) - 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$24.98

Supplemental Benefit Rate per Hour: \$45.53

#### <u>Iron Worker (Structural) - 7- 18 Months</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$25.58

Supplemental Benefit Rate per Hour: \$45.53

#### <u> Iron Worker (Structural) - 19 - 36 months</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$26.18

Supplemental Benefit Rate per Hour: \$45.53

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(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: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$34.88

# <u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Second 1000 hours</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$34.88

# <u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Third 1000 hours</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$34.88

# <u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Fourth 1000 hours</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Rate Per Hour: \$34.88

(Local #731)

#### MARBLE MECHANICS

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

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#### **Cutters & Setters - First 750 Hours**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

NO BENEFITS PAID DURING THE FIRST TWO MONTHS (PROBATIONARY PERIOD)

#### <u>Cutters & Setters - Second 750 Hours</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 55% of Journeyperson's rate

#### **Cutters & Setters - Third 750 Hours**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 65% of Journeyperson's rate

#### **Cutters & Setters - Fourth 750 Hours**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

#### **Cutters & Setters - Fifth 750 Hours**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 85% of Journeyperson's rate

#### **Cutters & Setters - Sixth 750 Hours**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 95% of Journeyperson's rate

#### Polishers & Finishers - First 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

#### Polishers & Finishers - Third 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

#### Polishers & Finishers - Fourth 750 Hours

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Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$20.99

Supplemental Benefit Rate per Hour: \$17.86

#### Mason Tender - Second Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$22.14

Supplemental Benefit Rate per Hour: \$17.86

#### <u> Mason Tender - Third Year</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$23.84

Supplemental Benefit Rate per Hour: \$17.86

#### Mason Tender - Fourth Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$26.50

Supplemental Benefit Rate per Hour: \$17.86

(Local #79)

#### METALLIC LATHER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

#### letallic Lather (First Year -Called Prior to 6/29/11)

PUBLISH DATE: 7/1/2014 EFFECTIVE PERIOD: JULY 1, 2014 THROUGH JUNE 30, 2015 Page 21 of 34

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$37.77

Supplemental Benefit Rate per Hour: \$25.59

#### Metallic Lather (First Year -Called On Or After 6/29/11)

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$26.64

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Supplemental Benefit Rate per Hour: \$32.84

#### Millwright (Second Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$31.49

Supplemental Benefit Rate per Hour: \$36.18

#### Millwright (Third Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$36.33

Supplemental Benefit Rate per Hour: \$40.66

#### Millwright (Fourth Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$46.02

Supplemental Benefit Rate per Hour: \$46.24

(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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$26.61

Supplemental Benefit Rate per Hour: \$16.50

#### Paver and Roadbuilder - Second Year (Minimum 1000 hours)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$28.22

Supplemental Benefit Rate per Hour: \$16.50

(Local #1010)

#### **PAINTER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

#### Painter - Brush & Roller - First Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$15.80

Supplemental Benefit Rate per Hour: \$11.88

#### Painter - Brush & Roller - Second Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$19.75

Supplemental Benefit Rate per Hour: \$15.73

#### Painter - Brush & Roller - Third Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$23.70

Supplemental Benefit Rate per Hour: \$18.64

#### Painter - Brush & Roller - Fourth Year

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

#### Painters - Structural Steel (Second Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

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### Painters - Structural Steel (Third Year)

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

(Local #806)

#### **PLASTERER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

#### Plasterer - First Year: 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$15.76

#### Plasterer - First Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 45% of Journeyperson's rate

upplemental Rate Per Hour: \$16.24

#### Plasterer - Second Year: 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$18.21

#### Plasterer - Second Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$19.29

#### Plasterer - Third Year: 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$21.46

### Plasterer - Third Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 75% of Journeyperson's rate

upplemental Rate Per Hour: \$22.54

(Local #530)

#### PLUMBER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

### Plumber - First Year: 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$0.71

### Plumber - First Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$2.96

#### Plumber - Second Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$23.87

Supplemental Benefit Rate per Hour: \$11.46

#### Plumber - Third Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$25.97

Supplemental Benefit Rate per Hour: \$11.46

#### Plumber - Fourth Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$28.82

Supplemental Benefit Rate per Hour: \$11.46

#### Plumber - Fifth Year: 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$30.22

Supplemental Benefit Rate per Hour: \$11.46

### Plumber - Fifth Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$42.29

Supplemental Benefit Rate per Hour: \$11.46

(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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$25.01

Supplemental Benefit Rate per Hour: \$4.75

### Pointer - Waterproofer, Caulker Mechanic - Second Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$27.25

Supplemental Benefit Rate per Hour: \$9.70

### Pointer - Waterproofer, Caulker Mechanic - Third Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$32.24

Supplemental Benefit Rate per Hour: \$12.45

### Pointer - Waterproofer, Caulker Mechanic - Fourth Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$38.66

Supplemental Benefit Rate per Hour: \$12.45

(Bricklayer District Council)

#### **ROOFER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)

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#### Roofer - First Year

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 35% of Journeyperson's Rate

#### Roofer - Second Year

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's Rate

#### Roofer - Third Year

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's Rate

#### Roofer - Fourth Year

Effective Period: 7/1/2014 - 6/30/2015

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 (0-6 Months)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 25% of Journeyperson's rate

Supplemental Rate Per Hour: \$6.15

#### Sheet Metal Worker (7-18 Months)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 35% of Journeyperson's rate

Supplemental Rate Per Hour: \$16.21

#### Sheet Metal Worker (19-30 Months)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$22.23

### **Sheet Metal Worker (31-36 Months)**

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Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$26.16

#### **Sheet Metal Worker (37-42 Months)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$28.13

#### **Sheet Metal Worker (43-48 Months)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$32.09

#### **Sheet Metal Worker (49-54 Months)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$34.07

#### **Sheet Metal Worker (55-60 Months)**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$36.03

(Local #28)

#### SIGN ERECTOR

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

#### Sign Erector - First Year: 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 35% of Journeyperson's rate

Supplemental Rate Per Hour: \$5.96

#### Sign Erector - First Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$6.75

#### ign Erector - Second Year: 1st Six Months

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Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$7.55

#### Sign Erector - Second Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$8.34

#### Sign Erector - Third Year: 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$9.13

#### Sign Erector - Third Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$9.92

#### Sign Erector - Fourth Year: 1st Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$10.72

#### Sign Erector - Fourth Year: 2nd Six Months

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$11.51

#### Sign Erector - Fifth Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$12.30

#### Sign Erector - Sixth Year

Effective Period: 7/1/2014 - 6/30/2015

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)

#### Steamfitter - First Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate and Supplemental Per Hour: 40% of Journeyperson's rate

#### <u> Steamfitter - Second Year</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate and Supplemental Rate Per Hour: 50% of Journeyperson's rate.

#### Steamfitter - Third Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate and Supplemental Rate per Hour: 65% of Journeyperson's rate.

#### Steamfitter - Fourth Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate and Supplemental Rate Per Hour: 80% of Journeyperson's rate.

#### Steamfitter - Fifth Year

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

#### Stone Mason - Setters - Second 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

age Rate Per Hour: 60% of Journeyperson's rate

PUBLISH DATE: 7/1/2014 EFFECTIVE PERIOD: JULY 1, 2014 THROUGH JUNE 30, 2015 Page 31 of 34

Supplemental Rate Per Hour: 50% of Journeyperson's rate

#### <u> Stone Mason - Setters - Third 750 Hours</u>

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

#### **Drywall Taper - Second Year**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

#### **Drywall Taper - Third Year**

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

(Local #1974)

# TILE LAYER - SETTER (Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

### Tile Layer - Setter - First 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

#### Tile Layer - Setter - Second 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 55% of Journeyperson's rate

#### Tile Layer - Setter - Third 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 65% of Journeyperson's rate

#### Tile Layer - Setter - Fourth 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

#### Tile Layer - Setter - Fifth 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

Wage and Supplemental Rate Per Hour: 85% of Journeyperson's rate

#### Tile Layer - Setter - Sixth 750 Hours

Effective Period: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.89

### Timberperson - Second Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.89

#### Timberperson - Third Year

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.89

### <u> Timberperson - Fourth Year</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.89

(Local #1536)

#### 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.

This schedule is a compilation of separate determinations of the prevailing rate of wage and supplements made by the Comptroller for each trade classification listed herein pursuant to New York City Administrative Code section 6-109. The source of the wage and supplement rates, whether a collective bargaining agreement, survey data or other, is listed at the end of each classification.

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.

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 <u>EACH HOUR WORKED</u> 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: 7/1/2014 - 6/30/2015 Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

#### FOOD SERVICE EMPLOYEES

#### **Cook**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$16.35

Supplemental Benefit Rate per Hour: \$1.63

#### Cafeteria Attendant

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$10.41

Supplemental Benefit Rate per Hour: \$1.63

#### **Counter Attendant**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$11.00

Supplemental Benefit Rate per Hour: \$1.63

#### <u> Kitchen Helper / Dishwasher</u>

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$9.99

Supplemental Benefit Rate per Hour: \$1.63

#### **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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

PUBLISH DATE: 7/1/2014 EFFECTIVE PERIOD: JULY 1, 2014 THROUGH JUNE 30, 2015 Page 5 of 8

#### 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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

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: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$33.29

Supplemental Benefit Rate per Hour: None

#### Cashier

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$11.50

Supplemental Benefit Rate per Hour: None

#### Clerk (various)

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$14.82

Supplemental Benefit Rate per Hour: None

#### **Computer Assistant**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$19.94

Supplemental Benefit Rate per Hour: None

#### **Data Entry Operator**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$16.44

Supplemental Benefit Rate per Hour: None

#### Receptionist

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$15.03

Supplemental Benefit Rate per Hour: None

#### **Secretary (various)**

Effective Period: 7/1/2014 - 6/30/2015

Yage Rate per Hour: \$19.31

Supplemental Benefit Rate per Hour: None

#### **Word Processor**

Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$18.49

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) 669-36: FAX NUMBER: (212) 669-84!

ALAN G. HEVESI COMPTROLLER

#### MEMORANDUM

November 6, 2000

To

Agency Chief Contracting Officers

From:

Leonard A. Mancusi

2 (a) Janense

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.

	Contractor.
Dated	, 20
APPROVED AS TO FORM CERTIFIED AS TO LEGAL AUTHORITY	
Acting Con	rporation Counsel
Dated	



## INFRASTRUCTURE DIVISION BUREAU OF DESIGN

### **VOLUME 2 OF 3**

PROJECT ID: HWPLZ009K

RECONSTRUCTION OF NEW LOTS TRIANGLE

NEW LOTS AVENUE FROM ASHFORD STREET TO LIVONIA AVENUE LIVONIA AVENUE FROM ASHFORD STREET TO NEW LOTS AVENUE

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

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

MASPHAHING	Contractor.
Dated	
APPROVED AS TO FORM CERTIFIED AS TO LEGAL AUTHORITY	X AD3/18/15
(7.)	Acting Corporation Counsel
Dated March 18	, 20_/_



Department of Design and Construction

# 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 4

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

PROJECT ID: HWPLZ009Q

**RECONSTRUCTION OF** 

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

**Together With All Work Incidental Thereto** 

BOROUGH OF QUEENS CITY OF NEW YORK



FOR THE DEPARTMENT OF TRANSPORTATION PREPARED BY AKRF Engineering P.C., & HAZEN AND SAWYER

March 30, 2015

#### SPECIFICATIONS AND STANDARDS OF NEW YORK CITY

The following New York City Department of Transportation (NYCDOT) 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 Valdez, Tel. (212) 839-9434

- 1. NYCDOT Standard Highway Specifications, November 1, 2010
- 2. NYCDOT Standard Highway Details of Construction, July 1, 2010
- 3. NYCDOT Division of Street Lighting Specifications
- 4. NYCDOT Division of Street Lighting Standard Drawings
- 5. NYCDOT Standard Specifications for Traffic Signals
- 6. NYCDOT Standard Drawings for Traffic Signals

The following reference documents for New York City Department of Environmental Protection (NYCDEP) are available on-line at: http://www.nyc.gov/html/ddc/html/pubs/pubs infrastdts.shtml 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. Wagar Ahmad, Tel. (718) 391-2056

- 1. NYCDEP Standard Sewer and Water Main Specifications, July 1, 2014
- 2. NYCDEP Instructions for Concrete Specifications, Jan. 92
- 3. NYCDEP General Specification 11-Concrete, November 1991
- 4. NYCDEP Sewer Design Standards, (September 2007) Revised January 2009

The following reference documents for New York City Department of Environmental Protection (NYCDEP) are available on-line at: http://www.nyc.gov/html/ddc/html/pubs/pubs\_infrastdts.shtml 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. NYCDEP Water Main Standard Drawings
- 2. Specifications for Trunk Main Work, dated July 2014
  3. Standards for Green Infrastructure, latest version, available only on-line at: http://www.nyc.gov/html/dep/pdf/green\_infrastructure/bioswalesstandard-designs.pdf

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/pagefiles/53/Tree-Planting-Standards.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**

### (GENERAL CONDITIONS TO CONSTRUCTION CONTRACT (INCLUDING GENERAL CONDITIONS RELATED TO ARTICLE 22 – INSURANCE)

### PART I. REQUIRED INFORMATION

INFORMATION FOR BIDDERS SECTION 26 BID SECURITY	
The Contractor shall obtain a bid security in the amount indicated to the right.	See Attachment 1 (page A-1 of the Bid Booklet).
INFORMATION FOR BIDDERS SECTION 26 PERFORMANCE AND PAYMENT BONDS	
The Contractor shall obtain performance and payment bonds in the amount indicated to the right.	See Attachment 1 (page A-1 of the Bid Booklet).
CONTRACT ARTICLE 14.  DATE FOR SUBSTANTIAL COMPLETION	See Page SA-4
The Contractor shall substantially complete the Work in the number of calendar days indicated to the right.	
CONTRACT ARTICLE 15. LIQUIDATED DAMAGES	\$_600. for each consecutive calendar day over substantial completion time
If the Contractor fails to substantially complete the Work within the time fixed for substantial completion 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 amount indicated to the right.	
CONTRACT ARTICLE 17. SUB-CONTRACTOR	Not to exceed 50% of the Contract price
The <b>Contractor</b> shall not make subcontracts totaling an amount more than the percentage of the total <b>Contract</b> price indicated to the right.	
CONTRACT ARTICLE 21.  RETAINAGE	5 % of the value of the Work
The Commissioner shall deduct and retain until the substantial completion of the Work the percent value of the Work indicated to the right.	

CONTRACT ARTICLE 22.  (Per Directions Below)	See pages SA-5 through SA-10		
CONTRACT ARTICLE 24.  DEPOSIT GUARANTEE	1% of Contract price		
As security for the faithful performance of its obligations, the <b>Contractor</b> , upon filing its requisition for payment on <b>Substantial Completion</b> , shall deposit with the <b>Commissioner</b> a sum equal to the percentage of the <b>Contract</b> price indicated to the right.			
CONTRACT ARTICLE 24. PERIOD OF GUARANTEE			
Periods of maintenance and guarantee other than the period set forth in Article 24.1 are indicated to the right.	Eighteen (18) Months, excluding Trees  Twenty-four (24) Months for Tree Planting		
CONTRACT ARTICLE 74. STATEMENT OF WORK  The Contractor shall furnish all labor and materials and perform all Work in strict accordance with the Contract Drawings, Specifications, and all Addenda thereto.			
CONTRACT ARTICLE 75. COMPENSATION TO BE PAID TO CONTRACTOR  The City shall pay and the Contractor shall accept in full consideration for the performance of the Contract, subject to additions and deductions as provided in Contract Article 75, 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.	See Contract Article 75		
CONTRACT ARTICLE 78.  PARTICIPATION BY MINORITY-OWNED AND WOMEN-OWNED BUSINESS ENTERPRISES IN CITY PROCUREMENT	See M/WBE Utilization Plan in the Bid Booklet		

# STANDARD HIGHWAY SPECIFICATIONS SECTION 6.40 LIQUIDATED DAMAGES FOR ENGINEER'S FIELD OFFICE

\$ 250.00 for each calendar day of deficiency

If the Contractor fails to satisfactorily provide the field office and all equipment specified in **Section 6.40** - **Engineer's Field Office**, and/or if a cited deficiency exceed seventy two (72) hours after notice from the Engineer in writing, or is permitted to recur, liquidated damages will be assessed in the amount specified herein for each subsequent calendar day or part thereof that a cited deficiency resulting in nonpayment, as described in **Section 6.40.5**, is not corrected.

# STANDARD HIGHWAY SPECIFICATIONS SECTION 6.70 LIQUIDATED DAMAGES FOR MAINTENANCE AND PROTECTION OF TRAFFIC

- \$ 250.00 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
- \$ 500.00 for each and every hour of failing to open the entire width of roadway to traffic the morning following a night/weekend work operation

# STANDARD HIGHWAY SPECIFICATIONS SECTION 7.13 LIQUIDATED DAMAGES FOR MAINTENANCE OF SITE

\$ 250.00 for each calendar day, for each occurrence

If the Contractor fails to comply, within three (3) consecutive hours after written notice from the Engineer, with the requirements of **Section 7.13 - Maintenance of Site**, the Contractor shall pay to the City of New York, until such notice has been complied with or rescinded, the sum specified above per calendar day, for each instance of such failure, as liquidated damages and not as a penalty, for such default.

#### Date for Substantial Completion (Ref

(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 365 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.

$\checkmark$	YES	NO
		1

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 to avoid a 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.

#### (GENERAL CONDITIONS RELATING TO ARTICLE 22 – INSURANCE)

#### PART II. TYPES OF INSURANCE, MINIMUM LIMITS AND SPECIAL CONDITIONS

<u>Note</u>: All certificate(s) of insurance submitted pursuant to Contract Article 22.3.3 must be accompanied by a Certification by Broker consistent with Part III below and include the following information:

- For each insurance policy, the name and NAIC number of issuing company, number of policy, and effective dates;
- Policy limits consistent with the requirements listed below;
- Additional insureds or loss payees consistent with the requirements listed below; and
- The number assigned to the Contract by the City (in the "Description of Operations" field).

Insurance indicated by a blackened box (■) or by X in a □ to left will be required under this contract

Types of Insurance (per Article 22 in its entirety, including listed paragraph)	Minimum Limits and Special Conditions
Commercial General Liability Art. 22.1.1	The minimum limits shall be \$ 3,000,000 per occurrence and \$ 6,000,000 per project aggregate applicable to this Contract.  Additional Insureds:  1. City of New York, including its officials and employees, with coverage at least as broad as ISO Form CG 20 10 and CG 20 37, and  2. All person(s) or organization(s), if any, that Article 22.1.1(b) of the Contract requires to be named as Additional Insured(s), with coverage at least as broad as ISO Form CG 20 26. The Additional Insured endorsement shall either specify the entity's name, if known, or the entity's title (e.g., Project Manager).  3. National Grid.

■ Workers' Compensation	Art. 22.1.2	Workers' Compensation, Employers' Liability,			
		and Disability Benefits Insurance: Statutory			
■ Disability Benefits Insurance	Art. 22.1.2	per New York State law without regard to jurisdiction.			
■ Employers' Liability	Art. 22.1.2	<b>Note:</b> The following forms are acceptable: (1)			
☐ Jones Act	Art. 22.1.3	New York State Workers' Compensation			
☐ U.S. Longshoremen's and Harbo Compensation Act	or Workers Art. 22.1.3	Board Form No. C-105.2, (2) State Insurance Fund Form No. U-26.3, (3) New York State Workers' Compensation Board Form No. DB-120.1 and (4) Request for WC/DB Exemption Form No. CE-200. The City will not accept an ACORD form as proof of Workers' Compensation or Disability Insurance.			
		Jones Act and U.S. Longshoremen's and Harbor Workers' Compensation Act: Statutory per U.S. Law.			
☐ Builders' Risk	Art. 22.1.4	100 % of total value of Work			
		Contractor the Named Insured; the City both an Additional Insured and one of the loss payees as its interests may appear.			
		If the <b>Work</b> does not involve construction of a new building or gut renovation work, the <b>Contractor</b> may provide an installation floater in lieu of Builders Risk insurance.			
		Note: Builders Risk Insurance may terminate upon <b>Substantial Completion</b> of the <b>Work</b> in its entirety.			
■ Commercial Auto Liability	Art. 22.1.5	\$ 2,000,000 per accident combined single limit			
		If vehicles are used for transporting hazardous materials, the <b>Contractor</b> shall provide pollution liability broadened coverage for covered vehicles (endorsement CA 99 48) as well as proof of MCS 90			
		Additional Insureds:			
		(1) City of New York, including its officials and employees, and			

☐ Contractors Pollution Liability	Art. 22.1.6	\$_5,000,000 per occurrence \$_5,000,000 aggregate  Additional Insureds:  1. City of New York, including its officials and employees, and  2  3
☐ Marine Protection and Indemnity	Art. 22.1.7(a)	\$each occurrence \$aggregate Additional Insureds: 1. City of New York, including its officials and employees, and 2 3
☐ Hull and Machinery Insurance	Art. 22.1.7(b)	\$ per occurrence \$ aggregate  Additional Insureds:  1. City of New York, including its officials and employees, and 2  3
☐ Marine Pollution Liability	Art. 22.1.7(c)	\$_1,000,000_ per occurrence  \$_1,000,000_ aggregate  Additional Insureds:  1. City of New York, including its officials and employees, and  2  3

#### [OTHER]

Art. 22.1.8

☐ Railroad Protection Liability Policy

(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 damage to the Insured's own property and conforming to the following:

- Policy Endorsement CG 28 31 Pollution Exclusion Amendment is required to be endorsed onto the policy when environmental-related work and/or exposures exist.
- 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.
- 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.

\$ <u>2,000,000</u> per occurrence

\$ <u>6,000,000</u> annual aggregate

Named Insureds:

1. New York City Transit Authority (NYCTA), the Manhattan and Bronx Surface Transit Operation Authority (MaBSTOA), the Staten Island Rapid Transit Operation Authority (SIRTOA), MTA Capital Construction Co., the Metropolitan Transportation Authority (MTA) including its subsidiaries and affiliates, and the City of New York (as Owner) and all other indemnified parties.

[OTHER] Art. 22.1.8

#### ☐ Professional Liability

- 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.

[OTHER] Art. 22.1.8

■ Engineer's Field Office

Section 6.40, Standard Highway Specifications

Fire insurance, extended coverage and vandalism, malicious mischief and burglary, and theft insurance coverage in the amount of \$40,000

# SCHEDULE A (GENERAL CONDITIONS TO CONSTRUCTION CONTRACT) (GENERAL CONDITIONS RELATING TO ARTICLE 22 – INSURANCE)

#### PART III. BROKER'S CERTIFICATION

Pursuant to Article 22.3.3 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 certified copies of all policies referenced in the Certificate of Insurance.

#### **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)]
	[Email address of broker (typewritten)]
	[Phone number/Fax number of broker (typewritten)]
	[Signature of authorized official or broker]
	[Name and title of authorized official (typewritten)]
State of) ) ss.: County of)	
Sworn to before me this day	of, 20
NOTARY PUBLIC FOR THE STA	<u>ΓΕ Ο</u>

#### **SCHEDULE A**

#### (GENERAL CONDITIONS TO CONSTRUCTION CONTRACT)

#### PART IV. 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

(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: HWPLZ009Q

RECONSTRUCTION OF

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto

BOROUGH OF QUEENS CITY OF NEW YORK

ADDENDUM NO. 1

DATED: February 24, 2014

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:

- 1. Amendments to Standard Highway Specifications, Volume I
- 2. Amendments to Standard Highway Specifications, Volume II, including Section 7.88 (Revised) and new Sections 6.44 PO and 6.52 CG.
- 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]

 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 Aggregate (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;

<u>Delete</u> 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 A1-1b;
  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."

#### [Added 08-05-2013]

13. Refer to page 116, second paragraph up from the bottom of the page, first line;

<u>Change</u> the words "Concrete of Type IA and IIA shall have..." to read "Concrete of Type IA, IIA and IIIA shall have..."

#### [Added 09-04-2013]

14. Refer to page 100, Subsection 3.01.3.(C)1.(c);

Delete the last two lines of text beginning with the words "The proportion of reclaimed asphalt pavement permitted within each mix...";

Substitute the following sentence: "The proportion of reclaimed asphalt pavement permitted within each mix shall be not less than 30 percent for the top and bottom courses as per Local Law #71 of 2011."

15. Refer to page 110, Subsection 3.05.2.(A), Table 3.05-I;
Insert the following text at the bottom of Table 3.05-I:

"Note: The above proportions shown for non-High-Early mixes shall be modified by pozzolan substitutes as per **Subsection 3.05.4**."

16. Refer to page 112, Subsection 3.05.3.(C), second paragraph;

Delete the second paragraph in its entirety;

Substitute the following paragraph:

"Water shall be potable and drawn from municipal water mains."

17. Refer to page 113, first line of text, beginning with the words "condition making up one (1) cubic yard of concrete.";

Insert the following sentence between the words "condition making up one (1) cubic yard of concrete." and "The range of water-cement ratio within which the ...":

"The calculated yield of the mix shall be within ± 2% of the Theoretical (1) cubic yard."

18. Refer to Page 113, second paragraph beginning with the words "The Contractor may substitute Portland cement . . .";

Delete the second paragraph under Subsection 3.05.4., in its entirety;
Substitute the following revised paragraph:

"With the exception of high-early strength concrete, the Contractor shall be required to substitute Portland cement with pozzolans (Fly Ash or GGBFS) such that the maximum amount of Portland cement per cubic yard of concrete does not exceed 400 pounds, and with the use of an approved non-corrosive, non-chloride admixture as required to obtain a minimum compressive strength of 3,000 psi in seven (7) days. For high-early strength concrete the Contractor may substitute Portland cement with pozzolans (Fly Ash or GGBFS), pound for pound, up to 20% (or up to 25% for tidal/sea water spray areas) of the weight of cement specified for any concrete mixture provided the Contractor can obtain a minimum compressive strength of 3,000 p.s.i. in three (3) days. The Contractor, immediately following but not later than eight weeks after the date of the Contractor's Notice to Proceed, shall file with the Engineer, Age-Strength data of the job mix he proposes to use for the various ambient temperatures anticipated during the period of concrete placement. This data shall be presented in both tabular and graphical form for those various ambient temperatures with a maximum setting period of seven (7) days for Class B-32 concrete or seventy-two (72) hours for High-Early Strength Concrete."

- 19. Refer to Page 115, TABLE 3.05-III INGREDIENT MATERIALS;

  Change in the third row, second column, the type of Portland

  Cement from "Type III\*" to read "Type II or Type III\*"
- 20. Refer to page 132, Subsection 3.06.3.(D);

  Change the words "Water shall be drawn from mains owned by The City of New York." to read "Water shall be potable and drawn from municipal water mains."
- 21. Refer to page 133, Subsection 3.07.3.(D);

  Change the words "Water shall be drawn from mains owned by or supplying water to The

  City of New York." to read "Water shall be potable and drawn from municipal water

  mains."
- 22. Refer to page 134, Subsection 3.08.4.(D);

  Change the words "Water shall be drawn from mains owned by or supplying water to The City of New York." to read "Water shall be potable and drawn from municipal water mains."

- 23. Refer to Page 166, Subsection 4.05.2.(A);

  Delete Subsection 4.05.2.(A), in their entirety;

  Substitute the following revised Subsection 4.05.2.(A):
- "(A) Concrete Pavement shall be of the following types:

Type 1--Non-reinforced

Type 2--Reinforced (Unpigmented or pigmented if specified)

Type 3--High Early Strength Reinforced (Unpigmented or pigmented if specified)

Type 2 and Type 3 pavements shall consist of a concrete surface course, which shall be unpigmented or pigmented if specified, laid on a concrete base course, which may or may not be pigmented at the Contractor's option, while the base course is still plastic, of the thickness shown on the Contract Drawings, with reinforcement placed between the surface and base courses."

24. Refer to Page 166, Subsection 4.05.3.(A);
Insert the following new Subsection 4.05.3.(A1):

"(A1) PIGMENTING

Where pigmenting is specified, the surface course of the concrete bus pad shall be pigmented with an admixture complying with Section 2.19 and the following requirements:

Where the color of the concrete is required to simulate the red color of the Red Bus Lane Pavement Overlay (Item 6.44 POR in Section 6.44 PO), the surface course concrete shall be integrally pigmented to produce a red color equivalent to Scofield's quarry red.

Except for the use of an air-entraining agent complying with ASTM Designation C 260 and water reducing admixtures complying with ASTM Designation C 494 used in combination with the Pigment Admixture as per the pigment manufacturer's instruction, no other admixtures (including, but not limited to, calcium chloride) shall be used unless stated in writing by the manufacturer of the Pigment Admixture to be of no consequence to the colorfastness of the concrete mixture and is approved by the Engineer.

All pigmented concrete at different locations shall be identical, unless otherwise directed. Variations in color/tint/hue will not be acceptable. Therefore, the same brand and type of cement and the same source and type of aggregate shall be used throughout the project.

Prior to the mix design being made, the cement intended for use shall be checked to determine that its lightness/darkness is similar to the cement used in the original approved sample. The Pigmented Admixture shall be added in the standard proportion specified by the manufacturer."

25. Refer to Page 170, Subsection 4.05.5.(A) GENERAL;

Insert the following two new paragraphs:

"For pigmented concrete, the Contractor shall within eight weeks of the notice to proceed, submit the name of its proposed roadway installer upon which his bid is based, along with their respective work history experience in placing pigmented concrete. The installer shall have documented experience in working with pigmented concrete.

Prior to making any field samples and the placing of any pigmented concrete, the Contractor, its concrete supplier, installer, cement producer, laboratory, the pigmented admixture's representative, and the Engineer shall meet and agree on the specifications and methods of handling the pigmented concrete."

- 26. Refer to Page 183, Subsection 4.05.9. PRICES TO COVER, 4<sup>th</sup> line;

  Insert in the fourth line, the words "pigment when specified" between the words "specifications, including, but not limited to," and "furnishing and installing...":
- 27. Refer to Page 183, Subsection 4.05.9. PRICES TO COVER;

  Insert the following two new Items to the list of Item Nos. at the bottom of Subsection 4.05.9:

"4.05 ACP REINFORCED CONCETE PAVEMENT (BUS STOPS)(PIGMENTED) C.Y.

4.05 AXP HIGH-EARLY STRENGTH REINFORCED CONCRETE PAVEMENT (BUS STOPS)(PIGMENTED) C.Y."

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 (1) 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 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, ADDITION REQUIREMENTS;  Delete the requirements for a Photocopy row of TABLE 6.40-I, in its entirety Substitute the following revised requires	Machine sh				
Photocopying Machine – Stand-alone, heavy duty, electric, dry-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 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.		1	1	1	1

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."

- 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), 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

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 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	1	1	1	1	1	1
					:	
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. (NO TEXT)

## 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) Outside Wetland Areas, Woodland Areas and Beyond Seventy-five (75') 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:

Stage I. 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	RODENT INFESTATION SURVEY AND MONITORING	L.S.
7.88 AB	RODENT BAIT STATIONS	EACH
7.88 AC	BAITING OF RODENT BAIT STATIONS	EACH
7.88 AD	WATERBUG BAIT APPLICATION	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."

#### [Added 09-04-2013]

14. Refer to Page 384, the end of Section 6.44 - White and Yellow

Thermoplastic Reflectorized Pavement Markings;

Insert new SECTION 6.44 PO, after Section 6.44, as contained on the following pages A1-2k through A1-2m.

#### [Added 02-10-2014]

15. Refer to Pages 393 and 394, SECTION 6.52 - Uniformed Full-Time Flagperson;

Delete Section 6.52 on pages 393 and 394, but do not delete
 examples on pages 395 and 396;

Substitute SECTION 6.52 CG, as contained on the following pages A1-2n and A1-2o.

## SECTION 6.44 PO Lane Pavement Overlay

**6.44PO.1. DESCRIPTION.** This section describes the furnishing and application of an approved Green Asphalt Pavement Color Scheme along designated bicycle lanes and Brick-Red Asphalt Pavement Color Scheme matching Quest's StreetBondCL Terracotta color along designated Select Bus Service (SBS) lanes, as indicated in the Contract Drawings or as directed by the Engineer.

## 6.44PO.2. REFERENCES.

- A. ASTM D-4541 Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Tester.
- B. ASTM D-4060 Test Method for Abrasion Resistance of Organic Coatings by the Taber Abrasion.
- C. ASTM D-522-93A Standard Test Method for Mandrel Bend Test of Attached Organic Coatings.
- D. ASTM G-155 QUV Accelerated Weathering Environment. Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials.
- E. ASTM D-2486 MEK rub test for chemical resistance.
- F. ASTM D-570 Standard Test Method for water absorption of plastics.
- G. ASTM E-303 British Pendulum test for friction.
- H. EPA 24 ASTM D3960-05 Volatile Organic Compounds.

## 6.44PO.3. SUBMITTALS.

- A. A copy of the current year accreditation certificate available from the Contractor or subcontractor who will be performing this work, or written verification from the coating supplier that the Contractor or subcontractor is qualified to perform this Work.
- B. Written and published specification for the application of the selected asphalt pavement coating.
- C. Confirmation of coating color.
- D. Proof of coating performance through a Certificate of Analysis or equivalent document as provided by the Contractor or the coating supplier.

## 6.44PO.4. MATERIALS.

The following table outlines minimum performance properties of a typical asphalt pavement coating.

Characteristic	Test Specification	Measured result
Durability: Taber Abrasion resistance	ASTM D-4060 7 day cure, H-10 wheel (wet test)	< 5.0 g/1000
Water sensitivity	ASTM D-570 Water absorption after 9 days: Remaining absorption after 1 hour of recovery:	< 10% < 1.0%
Color stability	ASTM G-155 QUV 2,000 hours (CIE units)	New York City Bike Lane Green ΔE < 1.5
Color stability	ASTM G-155 QUV 2,000 hours (CIE units)	Brick color ΔE < 1.5

Flexibility: Mandrel Bend	ASTM D-522-93A Flexibility as measured by Mandrel bend 0.5mm thick sample passes 10 mm at 21°C 0.5mm thick sample passes 125mm at -18°C	
Chemical resistance	ASTM D-2486 Modified MEK scrubs 16 dry mils, number of scrubs until 50% substrate exposed	>5000
Adhesion to Asphalt	ASTM D-4541	Substrate Failure
Friction Wet	ASTM E-303 British Pendulum Tester	>55
Environmental Sensitivity	EPA 24 ASTM D-3960-05 Volatile Organic Compounds	VOC < 150

These properties shall be evidenced by Certificates of Analysis produced by an independent qualified testing facility.

Green Bicycle and Red Bus Lane Pavement Overlays furnished by the following manufacturers, or approved equivalent, are acceptable for use in this contract:

Ennis Paint, Inc. 1509 S. Kaufman Street Ennis, TX 75119

Integrated Pavement Concepts, Inc. 102-17957 55th Avenue Surrey, BC Canada V3S 6C4

Crafco, Inc. 420 N. Roosevelt Avenue Chandler, AZ 85226

**6.44PO.5. METHODS.** The asphalt pavement coating system shall be applied to the pavement in accordance with the manufacturer's specification. In its hardened state the color shall be as specified, and as approved by the Engineer. The material shall present a marking whose color and chemical resistance will not degrade under normal exposure to calcium chloride, sodium chloride or automotive oils and fuels. Color pigments used shall remain stable under exposure to ultra violet light. A minimum of four (4) layers of coating material shall be applied to the pavement surface.

The Contractor shall be required to use the proper equipment in the application of the asphalt pavement coating, as per the recommendation of the coating supplier, and as approved by the Engineer.

Asphalt pavement must be stable, well compacted and generally in excellent condition for the application of the asphalt pavement coating to be successful. The Engineer shall make the final determination as to the suitability of the existing asphalt pavement.

The asphalt pavement surface shall be dry and free from all foreign matter, including but not limited to dirt, dust, de-icing materials, and chemical residue.

The asphalt pavement coating shall only be applied in the correct environmental conditions as instructed by the coating supplier, and as approved by the Engineer.

Refer to the instructions provided by the coating supplier regarding when the painted lane may be opened to traffic. Wait time is typically a function of the dry rate of the coating, and climate conditions.

The Engineer may, at his discretion, require the Contractor to remove all extraneous marks on the pavement made by the agents or employees of the Contractor, or made by others due to improper control or protection of the work area by the Contractor, his agents or employees. Any installation which, in the opinion of the Engineer, is not acceptable, whether by reason of poor workmanship, poor appearance, poor performance, poor materials, improper width or improper alignment, shall be reworked by the Contractor at no cost to the City. The Contractor shall replace rejected installation as directed by the Engineer, within fifteen (15) days after receiving written notification of the rejection of such completed work.

**6.44PO.6. MEASUREMENT.** The quantities to be measured for payment shall be the number of square yards of Lane Pavement Overlay, of each color, placed as specified to the satisfaction of the Engineer.

**PRICES TO COVER.** The unit prices bid per square yard of Green Bicycle Lane Pavement Overlay and Red Bus Lane Pavement Overlay shall cover the cost of all labor, materials, plant, equipment, insurance, and necessary incidentals required including, but not limited to, testing, cleaning, preparation of surfaces, and application of the lane pavement overlay materials, all in accordance with the contract plans and specifications, and as directed by the Engineer.

Payment will be made under:

Item No.	Item	Pay Unit
6.44 POG	GREEN BICYCLE LANE PAVEMENT OVERLAY	S.Y.
6.44 POR	RED BUS LANE PAVEMENT OVERLAY	S.Y.

## SECTION 6.52 CG Crossing Guard

- **6.52CG.1. INTENT.** This section describes the employment of full-time uniformed crossing guards to direct and detour traffic.
- **6.52CG.2. DESCRIPTION.** The Contractor shall furnish an adequate number of competent crossing guards to control vehicular and pedestrian traffic when it is necessary to maintain alternating one-way traffic in one lane of a two-way roadway, and at all other locations where construction operations, construction vehicles and equipment, and temporary traffic patterns related to the construction operations require positive temporary traffic control for safe, efficient traffic operations.
- **6.52CG.3. METHODS.** All crossing guards, whether paid for under this item or not, shall be proficient in speaking, writing and reading English and adequately trained in controlling vehicular and pedestrian traffic by a recognized training program such as that provided by the American Traffic Safety Services Association, the National Safety Council, unions or construction industry associations, or by an individual who holds a current certification as a flagger training instructor from such a program.

All crossing guards, whether paid for under this item or not, their apparel, hand-signaling devices, and procedures to be used by them shall be in compliance with the requirements of Chapter 6E. FLAGGER CONTROL, in the Federal "Manual on Uniform Traffic Control Devices for Streets and Highways" 2009 Edition, or later edition, and shall each be equipped with an active two-way radio.

Prior to the start of crossing guard operations, the Contractor shall provide to the Engineer a list of certified crossing guards to be used in the contract, identifying the source of crossing guard training for each individual. When requested by the Engineer, crossing guards shall demonstrate their competency in crossing guard procedures. Crossing guards not competent in controlling vehicular and pedestrian traffic procedures to the satisfaction of the Engineer shall be retrained or replaced at once. Each crossing guard paid under this item must be a full-time crossing guard. If any worker performing services under this item is also assigned the task of directing construction equipment (as per attached Example #2, worker acting as a flagperson 'A') or any laborer tasks, then such worker shall be deemed to be subject to the provisions of Labor Law §220 Prevailing Wage Schedule and will not be paid for under this Item.

- **6.52CG.4. MEASUREMENT**. The quantity to be measured for payment shall be the number of person-hours of uniformed crossing guard service actually performed, as authorized by the Engineer. Laborers who are not full-time crossing guard will not be measured for payment as crossing guards under this or any other item. Each uniformed crossing guard shall be required to work a minimum of eight (8) hours a day and the Contractor will be given a minimum of twelve (12) hours advanced notice by the Engineer as to when to furnish a crossing guard.
- **6.52CG.5. PRICE TO COVER.** The contract price per person-hour shall cover the cost of all labor, materials, equipment, and insurance necessary to employ a uniformed full-time crossing guard, and equip him/her with safety vests, hard hats, and signaling devices, including all other incidental costs necessary to control and detour traffic, as shown on the Contract Drawings, the Examples #1 and #2 on pages 395 and 396 (excluding worker acting as a flagperson "A" in Example #2), or as directed by the Engineer.

Payment for flagperson "A" in Example #2, shall be deemed to be included under other items of work, as appropriate.

Where there is no scheduled item for Crossing Guard, the cost of furnishing Crossing Guards as required shall be deemed included in the unit price bid for the Maintenance and Protection of Traffic item.

Payment will be made under:

Item No.

Item

Pay Unit

6.52 CG

**CROSSING GUARD** 

PERSON-HOUR (P/HR)

#### [Added 02-24-2014]

16. Refer to PageS 480 and 481, Subsection 7.13.2.(B) MAINTENANCE OF STREETS, 4<sup>th</sup> paragraph, beginning with the words "The Contractor shall maintain the traveled way . . .;

Delete the 4<sup>th</sup> paragraph, in its entirety;
Substitute the following text:

"The Contractor shall maintain the traveled way in such a condition and conduct operations in such a manner that snow and ice may be readily removed by others as and when necessary, and in such a manner that proper drainage is provided for the melting of snow in the banks resulting from normal plowing. However, the Contractor will not be responsible for snow or ice removal on the pavement or traveled way opened for public usage, except within the limits of the work zone(s) which may include, but is not be limited to, stairways, promenades, esplanade areas, and sidewalk, including those fronting his office and the Engineer's field office all of which will be the responsibility of the Contractor."

#### 3. NEW SECTIONS

#### **SECTION 4.07 DMLS – Dolomitic Limestone Curbs**

#### 4.07 DMLS.1. INTENT.

This work shall consist of the construction of dolomitic limestone planter curbs, as specified.

#### 4.07 DMLS.2. MATERIALS.

Dolomitic Limestone conforming to ASTM c 568, Classification: Category III, High Density. Stone shall be provided with the following physical properties:

- 1. Absorption: ASTM C 97, 2.0 percent maximum.
- 2. Density: ASTM C 97, 150 lbs. per CF minimum.
- 3. Modulus of Rupture: ASTM C 99, 1,000 psi minimum.
- 4. Compressive Strength: ASTM C 170, 15,000 psi average.
- 5. Abrasion Resistance: ASTM C 241, R12.0 minimum.
- 6. Freeze Thaw Durability: ASTM D 5312, mass loss after 35 cycles, 0 percent.
- Wetting and Drying Durability: ADSM D 5313, mass loss after 80 cycles, 0 to 1/10<sup>th</sup> of 1 percent.

Color/Finish: Buff/Sandblast.

Dimensions: Curb widths are 8" wide, height and depth varies by Item.

Straight curbs, straight curbs with notches and curbs with radii shall have a 1/2" radius bullnose edge(s) and eased edges as shown on details. End conditions vary – refer to plans and detail drawings and stone curb schedule. Finishes: All exposed faces shall be Sandblast.

#### A. Manufacturers/Suppliers:

- (1) Valders Stone & Marble, Inc., Division of Eden Stone Co., 318 W. Washington Street, Valders, WI 54245. ASD. Tel: 920.775.4151, Fax: 920.775.4087, , Web: www.valderstone.com
- (2) Furlong and Lee: Bob Furlong, 40 W. 37<sup>th</sup> Street, Suite 900, New York, NY 10018, Tel: 212-986-3828, Fax: 212.682.7683, Web: <u>www.furlongandlee.com</u>
- (3) Architectural Craft Stone Source, Inc., 150-28 Union Turnpike, Suite 105, Flushing, NY, Tel: 718.820.8885, Fax: 718.820.8887, Web: www.acs-us.net
- B. Single Source Responsibility of Stone: Obtain limestone from a single quarry source with resources to provide the quantity of materials required in the specified consistent quality. Limestone source for curbs shall be the same as dolomitic limestone block seating to be installed as part of the plaza reconstruction under Item No. 7.50 DMLS.
- C. Cement Mortar for all dolomitic limestone curbs shall conform to Section 3.07, Type 2, of the NYCDOT Standard Specifications, except for the proportion of Portland Cement and mortar sand: for setting bed it shall consist of one part Portland Cement Type 2 and two parts Mortar.
- D. Course Aggregate Base Stone: Stone shall conform to the NYCDOT Standard Specification Section 2.02, Type 1- Broken Stone, Grade B and conform to the following gradation.

	Percentage of Dry Weight
Sieve Size	Passing Designated Sieve Size
1"	100
1/2"	90-100
1/4"	0-15

E. Mortar for joints shall be equal parts by volume of Portland Cement and Mortar Sand.

#### 4.07 DMLS.3. SUBMITTALS.

All submittals shall be in accordance with the requirements of the General Conditions, Subsection 1.06.31. of the NYCDOT Standard Highway Specifications. The Contractor shall submit the following for the Engineer's approval, prior to ordering the material:

Material Samples: Dolomitic limestone curb, 1' length x 6" height with 1/2" radius along one edge and eased edges along all other edges and all sandblast finish.

Shop Drawings: Include plans of 71st Avenue Plaza Planters, elevations and construction details. Indicate materials, finishes, bevels, connections and field cuts. Identify all dolomitic limestone pieces and their end conditions in plan and section. Plan shall indicate butt joints and mitered hand tight joints. Obtain approval of shop drawings before fabricating samples or before fabrications.

Product Data: All associated product material literature and data reports.

Mockups: Build a mockup of dolomitic limestone curb to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution. Mock Up should include a straight curb, straight curb with notches, and a curb with radii with a butt corner to a straight curb to demonstrate standard for all dolomitic limestone planter curbs. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

Prior to Commencement of Work, the Contractor shall submit the name of the dolomitic limestone installer upon which his bid is based, along with their respective work history experience.

#### 4.07 DMLS.4. QUALITY CONTROL - SPECIAL PROVISIONS.

A. Pre-installation Conference: Prior to commencement of any work of this Section, arrange a conference at the site of this Project with the Engineer and Owner. At least seven (7) days notice shall be given prior to the conference.

#### 4.07 DMLS.5. METHODS.

Excavation necessary for installation of dolomitic limestone curbs shall occur in compliance with Section 6.02 P - Pneumatic Excavation and Backfilling Around Trees. Install dolomitic limestone curbs within concrete cradle set on a mortar setting bed and concrete foundation supported by a bedding of compacted base-course material over compacted subgrade. Set curbs at elevations indicated on the drawings, accurately aligned, and place and compact base-course material below concrete cradle as indicated.

Concrete foundation to be furnished and installed in compliance with Section 4.04 - Concrete Base for Pavement.

No dolomitic limestone curbs shall be laid in freezing weather.

Storage and Handling. Dolomitic limestone curbs from quarries shall be delivered, piled in a manner that protects all surfaces and edges and prevents staining, and laid, as required. They shall be handled with care to prevent the chipping and breaking of edges and corners. Contractor to provide protection of dolomitic limestone curbs from the elements and construction operations if stored within the project area prior to installation. No curbs damaged during temporary storage or handling are to be installed.

#### 4.07 DMLS.6. MEASUREMENT.

The quantity to be measured for payment shall be the number of linear feet of dolomitic limestone curbs satisfactorily installed to the lines, grades and patterns shown on the plans, specified or directed, measured in place in its final position.

#### 4.07 DMLS.7. PRICE TO COVER.

The unit price bid per linear foot of dolomitic limestone curbs shall cover the cost of furnishing all labor, material, equipment, insurance, and incidentals necessary to lay dolomitic limestone curbs on a mortar setting bed with a concrete cradle and cast-in-place concrete foundation over sub base complete, in accordance with the plans, the specifications, and the directions of the Engineer. Excavation shall be paid for under pay items covered under Section 6.02 P Pneumatic Excavation and Backfilling Around Trees.

## Payment will be made under:

item No.	Item	Unit
4.07 DMLS1	RAISED DOLOMITIC LIMESTONE CURB, STRAIGHT	L.F.
4.07 DMLS2	RAISED DOLOMITIC LIMESTONE CURB, STRAIGHT WITH NOTCHES	L.F.
4.07 DMLS3	RAISED DOLOMITIC LIMESTONE CURB, RADIUS	L.F.
4.07 DMLS4	FLUSH DOLOMITIC LIMESTONE CURB, STRAIGHT AND RADIUS	L.F.

## SECTION 4.13 DE-KB EMBEDDED DETECTABLE WARNING PAVERS

#### 4.13 DE-KB.1. DESCRIPTION.

This work shall consist of furnishing and installing detectable warning pavers on sidewalk pedestrian ramps as indicated on the plans or elsewhere in the contract documents. Sidewalk pedestrian ramps shall be constructed in accordance with the requirements of the New York City Department of Transportation's Standard Details of Construction Standard Drawing No. H-1011 and the Contract Drawings. The ramp within two (2') feet of the curb shall be finished with a detectable warning surface as specified herein.

#### 4.13 DE-KB.2. MATERIALS.

## A. GENERAL REQUIREMENTS:

The Contractor shall supply the Manufacturer's certification that the detectable warning surface material meets the requirements of these specifications, at least 30 calendar days prior to proposed installation. The detectable warning surface material shall:

- Meet the dimensional details and other requirements as noted on the New York City Department of Transportation's Standard Details of Construction Standard Drawing No. H-1011 and the Contract Drawings.
- 2. Be design basis Hanover Architectural Products "Glacier White" color or an approximate visual match. The detectable warning surface shall contrast visually with adjoining surfaces by at least a 70% as defined in the Americans with Disabilities Act Accessibility Guidelines (ADAAG) Specifications.
- 3. Be of size 24" X 24" X 2-1/2".
- 4. Be uniform in color and texture.
- 5. Have a good appearance, free of cracks or other defects.
- 6. Have clean-cut and well-defined edges.
- 7. Be weather resistant and durable to normal pedestrian wear and maintenance activities.
- 8. Show no appreciable fading, lifting, or shrinkage.
- 9. Have friction characteristics similar to a broom finished Portland cement concrete sidewalk surface as determined by the Engineer.

Setting bed material and/or surface preparation materials for installation of detectable warning pavers shall be in accordance with the manufacturer's recommendations and Contract Drawings.

### **B. PHYSICAL PROPERTIES:**

Compressive Strength: Min., 28 days 8 ksi (55 Mpa) Minimum.

Freeze-thaw Loss: (28 Cycles, one per day, 10% NaCl solution) 1.0% Maximum.

## C. PACKAGING AND SHIPMENT:

Detectable warning pavers shall be shipped in accordance with commercially accepted standards. The following information shall be marked on each package or on the shipping invoice: the name of the product, the name and address of the manufacturer, and the quantity of material.

## D. BASIS OF MATERIALS ACCEPTANCE:

Acceptance of materials shall be based upon it being listed in the most current New York State Department of Transportation's Approved List of Detectable Warning Units.

#### 4.13 DE-KB.3. CONSTRUCTION DETAILS.

Detectable warning pavers (excluding their raised truncated domes) shall be installed set flush with a top surface elevation tolerance of 1/16" between adjacent units but not more than +1/32" at perimeters between pavers and adjacent curb or sidewalk surfaces.

#### 4.13 DE-KB.4. MEASUREMENT.

The quantity of Embedded Detectable Warning Pavers, 24" x 24" x 2-1/2", to be measured for payment shall be the number of square feet, measured to the nearest tenth (0.1) of a square foot, installed to the satisfaction of the Engineer.

#### 4.13 DE-KB.5. PRICE TO COVER.

The unit price bid per square foot shall include the cost of all labor, material, equipment, insurance, and incidentals necessary to complete the work, including, but not limited to, bedding material, saw cutting as may be required, job site sample(s), repairs, and clean up.

Payment for this item, Embedded Detectable Warning Pavers, 24" x 24" x 2-1/2", shall be in addition to payment for the 7" thick concrete sidewalk pavement item and wire mesh reinforcement on which the detectable warning pavers are installed.

Payment will be made under:

Item No. Item Pay Unit

4. 13 DE-KB EMBEDDED DETECTABLE WARNING PAVERS, 24" X 24" X 2-1/2" S.F.

#### **SECTION 4.13 E**

# Concrete Sidewalk with Special Scoring and Exposed Aggregate Surface Treatment (Pigmented) (Saw Cut Type Joints)

#### 4.13E.1. INTENT.

This section describes construction of Concrete Sidewalk with Special Scoring and Exposed Aggregate Surface Treatment (Pigmented) (Saw Cut Type Joints).

#### 4.13E.2. DESCRIPTION.

The work shall consist of the construction of Concrete Sidewalk with Special Scoring and Exposed Aggregate Surface Treatment (Pigmented) (Saw Cut Type Joints).

- A. Concrete Sidewalk shall be of the width specified and shall be laid on a foundation six (6") inches thick, unless otherwise specified.
- B. Sidewalk shall consist of a single course of concrete four (4") inches thick, except at corner quadrants where it shall be seven (7") inches thick.
- C. Sidewalk joints shall be of a saw cut type where expansion joints are given a saw cut finish and dummy joints are saw cutting.
- D. Concrete shall have both exposed aggregate and be pigmented as specified.

#### 4.13E.3. MATERIALS.

The material requirements of **Subsection 4.13.3** in New York City Department of Transportation's (NYCDOT's) Standard Highway Specifications, as currently amended, shall apply to all new pigmented concrete sidewalk with special scoring and exposed aggregate surface treatment, along with the following modifications and additions:

- A. Concrete Color Admixture for Pigmented Concrete: Color to match Scofiled Integrally Colored Concrete "Autumn Beige" (#0288) or an approved equivalent. The brand name and manufacturer of the proposed Concrete Color Admixture, along with color samples, shall be submitted to the Engineer for approval prior to construction of the sidewalk.
  - a. Manufacturers:
    - L.M Scofiled 280 Park Ave Rutherford, NJ 07070 ph: 201.672.9050, fax:201.6729052
    - Solomon Colors PO Box 8288 Springfield IL 62791, ph: 1.800.624.0261 fax:1.800.624.3147
    - iii. Davis Colors, ph: 800.356.4848 fax: 323.269.1053. www.daviscolors.com.
    - iv. Or an approved equivalent manufacturer.
- B. Exposed Aggregate for Surface Seeding and Pavement Finishing shall be as follows:
  - Material: Select, hard, and durable; washed; free of material that reacts with the cementitious material or causes staining; from a single source, with fine aggregate and gap graded coarse aggregate as follows:
    - a. Coarse Aggregate (for seeding): Provide angular stone 1/4" to 3/16" maximum in size. Aggregate shall be supplied by one of the following or an approved equivalent supplier.
      - i. Geo Schofield 831 Main Street Bridgewater NJ ph: 732.356.0858 fax; 732.356.1197

ii. Pasvalco Company 108 Bogart Street Closter NJ ph:888.727.8252 fax:201.768.5927

iii. Landscape Products Route 512 Bath PA ph: 610.837.888 f: 610.837.8554

b. Size, color, and percent of aggregate seeding mixture to be as follows:

1) Royal Blend 1/4" angular stone

80% coverage

2) Black Obsidian

3/16" angular stone

20% coverage

- 2. Exposed Aggregate Grading: Fine aggregate shall be 25 to 35 percent of total exposed aggregate material as recommended by the Portland Cement Association.
- C. Surface Retarder: Waterborne, monomolecular, film-forming, for exposed aggregate concrete such as "Lithotex Top Surface Retarder" as manufactured by L.M. Scofield Co. or approved equivalent. The brand name and manufacturer of the proposed surface retarder shall be submitted to the Engineer for approval prior to construction of the sidewalk. The surface retarder shall be applied in accordance with the manufacturer's instructions.
- D. Clear Sealer for concrete surfaces: Water based formulation, clear (non-yellowing) concrete sealer such as "Repello" as manufactured by L.M. Scofield Co. or approved equivalent.
- E. Polyurethane-based, non-sag elastomeric sealant for concrete pavement expansion joints. Sikaflex Textured Sealant as manufactured by Sika Corporation, or approved equivalent. Color: Almond.

#### 4.13E.4. METHODS.

All work required to install new pigmented concrete sidewalk with special scoring, saw cut type joints, and exposed aggregate surface treatment shall be done in accordance with the requirements of **Subsection 4.13.4** in the NYCDOT's Standard Highway Specifications, as currently amended, for installing new pigmented concrete sidewalk with saw cut type joints, except with the following modifications and additions:

#### A. SAMPLES.

Before providing the required sample(s) under **Section 2.19** of the NYCDOT's Standard Highway Specifications, the Contractor shall prepare 6 inch x 6 inch x 4 inch samples of pigmented concrete. As many samples as necessary shall be produced until the color is satisfactory to the Engineer.

Prior to the start of construction the Contractor shall submit the following to the Engineer for approval prior to ordering of materials and sample panels:

- 1. Catalog cuts and manufacturer's application instructions for color admixture, chemical surface retardant and concrete sealant.
- 2. Sample of aggregates.
- 3. Sample of Textured Sealant.
- 4. Intended design mix by percentages.
- 5. Sample of foundation material.

The Contractor shall prepare sample test panels at least 4 foot x 4 foot x 4 inch in size of the proposed typical pigmented concrete sidewalk with exposed aggregate and saw cut type joints for the approval of the Engineer. These test panels or other approved markups shall be used to assess techniques, surface finish, distribution of aggregates, and consistency of color(s), and to determine the duration of time that the surface retarder is left in place before being washed off in order to achieve the desired exposed aggregate effect. As many test panels shall be constructed as are necessary to achieve a sample panel that meets the satisfaction of the Engineer. Once an approved sample panel has been achieved, all previous disapproved sample panels shall be

immediately destroyed. The approve sample panel shall be clearly marked with the words "approved sample". All new sidewalk work shall conform in appearance to the approved sample panel to the satisfaction of the Engineer. The approved sample panel shall remain on site until all sidewalk work is complete, after which the Contractor shall dispose of the sample panel unless the sample panel is a part of the finished work.

#### B. EXPOSED AGGREGATE SURFACE FINISH.

The minimum temperature required for pouring concrete sidewalk with exposed aggregate shall be 50 degrees F., unless otherwise directed by the Engineer.

The surface of the concrete sidewalk shall have an exposed aggregate finish. The exposed aggregate shall be seeded onto and then embedded into the surface of the concrete. Casting aggregate over the surface of the concrete and embedding them in the surface of the concrete is referred to as "seeding".

The Contractor is responsible for ordering sufficient concrete mix to fully complete each sidewalk slab section (expansion joint to expansion joint). Cold joints and/or interrupted pours will not be accepted.

Concrete shall be placed and screeded to the finished level, although depending on the size and quantity of aggregate to be added the initial surface level may need to be slightly lower than the finished level. Selected aggregate shall be hand-cast or seeded onto the surface immediately after screeding and then bullfloated into the surface prior to bleedwater appearing, or apply to the surface once all the bleedwater has evaporated and fully embedded by tamping and repeatedly working the surface with wood floats. The top surface of sidewalk shall be finished to a true smooth plane.

Surface retardant shall be applied in the amount and in a manner in accordance with the manufacturer's instructions.

Each rectangular slab shall have all edges neatly rounded with proper tools. Concrete shrinkage control joints shall be evenly and crispy scored or saw cut at designate locations, but not tooled, at locations shown on the Contract Drawings. Unless otherwise shown on the Contract Drawings, the shrinkage control joints in the concrete surface shall be one-eight (1/8") inch wide and three-quarter (3/4") inch deep and if saw cut shall be done immediately after the concrete has reached its initial set which is typically anywhere from 4 to 8 hours after the concrete has been poured, depending upon the weather, but in no case shall it be later than 12 hours after pouring. All saw cuts are to be straight, clean and of consistent width. Joints are to be either perpendicular to the curb or parallel to the curb at 5'-0" on center, unless otherwise shown on the Contract Drawings.

The Contractor shall expose the top layer of aggregate by removing set-retardant material after 8 to 12 hours, as per the manufacturer's instructions, by water washing and brushing until the water runs clear and there is no noticeable cement film left on the aggregate. The surface shall not be broomed repeatedly because this will weaken the mortar and dislodge aggregate. Generally, this technique is used when the object is to reveal large aggregates by up to a third of their size ori approximately one-eight (1/8") inch in depth. If results are not satisfactory, a light muriatic acid wash may be required at the direction of the Engineer.

#### C. PROTECTION AND CURING.

The Contractor shall carefully protect the concrete from the drying effects of the sun and wind, pedestrian and/or other traffic, or other caused, by means of suitable guards and coverings.

After aggregate has been exposed the concrete shall be cured by covering it with new and unwrinkled, non-staining, high-quality curing paper conforming to ASTM C171, *Sheet Material for Curing Concrete*.

To seal and protect the exposed aggregate surface after curing, the clear sealer shall be applied as per the manufacturer's instructions.

All exposed aggregate surfaces shall be thoroughly inspected to verify and approve installation and safety, including wet and dry slip resistance, before opening the sealed surface to traffic.

#### D. EXPANSION JOINTS

Unless otherwise directed by the Engineer and excluding sign and parking meter posts, expansion joints shall be installed at all joints between the sidewalk slabs and curb, street hardware, wood poles, street light and traffic pole foundations, bollard foundations, hydrant foundation slabs, buildings, bridges, etc. Refer to contract drawings for location of expansion joints.

The top one (1") inch shall be sealed with Sikaflex Textured Sealant, or an approved equivalent textured sealant, poured on an approved backer rod in accordance with the manufacturer's instructions. Color of sealant shall be almond to match color of the adjacent pigmented sidewalk.

### 4.13E.5. MEASUREMENT.

The area of concrete sidewalk in square feet and the amount to be paid for under each item shall be determined by cores as provided in **Section 5.04**.

In determining the area of Concrete Sidewalk to be paid for, the areas occupied by the tree wells, bases of columns, manhole heads, gate boxes and similar structures will be deducted from the measured area of concrete sidewalk when they measure more than one (1) square foot and will not be deducted when they measure one (1) square foot or less.

The Engineer's estimate of quantity of concrete sidewalk for comparing bids is approximate and is based on non-compliance of the owners of the properties abutting this highway improvement with the Commissioner's notice to them to construct the sidewalk in front of their premises. The aforesaid quantity may be reduced or eliminated, after contract award, in the event property owners comply with the Commissioner's notice.

The Contractor is not to proceed with any sidewalk construction unless ordered to do so by the Commissioner or his authorized representative.

## 4.13E.6. PRICES TO COVER.

The contract price per square foot and depth as indicated for Concrete Sidewalk with Special Scoring and Exposed Aggregate Surface Treatment shall cover the cost of all labor, materials, equipment, insurance, and incidentals required to construct concrete sidewalk of the thickness specified, with saw cut joints and sealant, complete in place with foundation material, in accordance with **Subsection 4.13.4.(B)** of the NYCDOT's Standard Highway Specifications, including, but not limited to, pigment, curing, excavation (other than rock excavation) and backfilling, in full compliance with the requirements of the specifications, to construct test standards, to furnish such samples for testing and to provide such testing equipment, laboratory space and facilities as may be required and the cost of maintaining the sidewalk in good condition as specified in **Section 5.05**.

Payment will be made under:

Item No.	Item	Pay Unit
4.13 ESA	4" CONCRETE SIDEWALK WITH SPECIAL SCORING AND EXPOSED AGGREGATE SURFACE TREATMENT (PIGMENTED)	
	(SAW CUT TYPE JOINTS)	S.F.
4.13 ESB	7" CONCRETE SIDEWALK WITH SPECIAL SCORING AND	
	EXPOSED AGGREGATE SURFACE TREATMENT (PIGMENTED) (SAW CUT TYPE JOINTS)	S.F.

## SECTION 4.15 PS - Topsoil for New Planting Beds

## 4.15PS.1. DESCRIPTION.

This section describes Planting Soil Mix to be used in planting areas and street tree pits.

#### 4.15PS.2. MATERIALS.

#### **TOPSOIL**

- A. Topsoil shall be imported soil or manufactured soil from off-site sources. Obtain soil displaced from naturally well-drained construction or mining sites where soil occurs at least 4 inches deep; do not obtain from agricultural land, bogs or marshes. Material shall be free of stones 1-1/2 inch or larger in any dimension and other extraneous materials harmful to plant growth. No Planting Soil Mix shall be delivered in a frozen or muddy condition. Comply with the following additional requirements:
  - 1. pH: Between 6.0 and 7.0 as determined by ASTM D-4972.
  - 2. Organic content: Between 4% and 6% as determined by ASTM F1647-99.
  - Particle Size as determined by ASTM C-136:

Sieve Size	Min. % Passing	
37.5 mm (1 1/2")	100	
19 mm (3/4")	95	
4.75 mm (No. 4)	75	
2 mm (No. 10)	60	

Textural Class as determined by combined hydrometer and wet sieving in compliance with:

Textural Class	% Total Weight
Sand (0.05—2.0 mm dia. range)	45-75
Silt (0.002—0.05 mm dia. range)	15-25
Clay (Less than 0.002 mm dia. range)	5-10

- 4. Internal Rate of Percolation: Between 1" and 3" per hour as determined by ASTM D-5126
- 5. Salinity: shall not exceed 1.20 mmhos/cm (dS/m) as determined by NRP-493 method.

## INORGANIC SOIL AMENDMENTS

- A. Lime: ASTM C 602, agricultural limestone containing a minimum 80 percent calcium carbonate equivalent and as follows:
  - 1. Class: Class O, with a minimum 95 percent passing through No. 8 (2.36-mm) sieve and a minimum 55 percent passing through No. 60 (0.25-mm) sieve.
- B. Sulfur: Granular, biodegradable, containing a minimum of 90 percent sulfur, with a minimum 99 percent passing through No. 6 (3.35-mm) sieve and a maximum 10 percent passing through No. 40 (0.425-mm) sieve.

- C. Iron Sulfate: Granulated ferrous sulfate containing a minimum of 20 percent iron and 10 percent sulfur.
- D. Aluminum Sulfate: Commercial grade, unadulterated.
- E. Sand: Clean, washed, natural or manufactured, free of toxic materials, complying with ASTM-C-33.

#### ORGANIC SOIL AMENDMENT

- A. Compost: Stable, humus-like material produced from the aerobic decomposition and curing of organic biosolids residues. The compost shall be a dark brown to black color and be capable of supporting plant growth with appropriate management practices in conjunction with addition of fertilizer and other amendments as applicable, with no visible free water or dust, with no unpleasant odor, and meeting the following criteria as reported by laboratory tests:
  - 1. pH: Between 5.5 and 8.0 as determined from a 1:1 soil-distilled water suspension using a glass electrode pH meter as per ASTM D4972...
  - 2. Organic Content: min. 40% of dry weight as determined by ASTM F1647-11.
  - 3. Moisture Content: Between 35 and 55 percent.
  - 4. Salinity: Electrical conductivity of a one to two soil to water ratio extract shall not exceed 2.0 mmhos/cm (dS/m) as determined by NRP-493 method.
  - 5. Carbon to Nitrogen Ratio: Between 10:1 to 25:1.
  - 6. Ammonium levels below 100 ppm
  - 7. The compost shall be screened to ¾- inch maximum particle size and shall contain not more that 3 percent material finer that 0.002mm as determined by hydrometer test on ashed material as determined by ASTM C-136 and ASTM D422.
- B. Feedstock: Agricultural, food, or industrial residuals; biosolids; yard trimmings; or source-separated or compostable mixed solid waste.
- C. Compost pathogens/metals/vector attraction reduction shall meet EPA 40 CFR Part 503 rule, Table 3, page 9392, Vol. 58 No. 32.

#### 4.15PS.3. QUALITY CONTROL.

- A. Soil-Testing Laboratory Qualifications: An independent laboratory, recognized by the State Department of Agriculture, with the experience and capability to conduct the testing indicated and that specializes in types of tests to be performed. Approved independent testing laboratory include Long Island Materials Testing Laboratories, Inc., College Point, NY; Soil Mechanics Drilling Corp., Seaford, NY, DBA Chemical Consulting of Babylon, Babylon, NY, or approved equal.
- B. Topsoil Testing and Analysis: Furnish soil analysis by a qualified soil-testing laboratory stating pH, organic content, particle size, textural class, percentages of organic matter; gradation of sand, silt, and clay content; infiltration rate, deleterious material; and salinity.
  - 1. Provide one (1) test for every 200 cubic yards delivered to the site.

- C. Compost Testing and Analysis: Furnish compost analysis by a qualified soil testing laboratory stating pH, organic content, moisture content, salinity, carbon to nitrogen ratio, and compost texture analysis.
  - 1. Provide one (1) test for every 200 cubic yards delivered to the site.
- D. Pre-installation Conference: Prior to commencement of any work of this Section, arrange a conference at the site of this Project with the Engineer. At least seven (7) days notice shall be given prior to the conference.
  - Conference attendance will include the Contractor, the supervisor/foreman appointed to oversee the work of this Section; the supervisor/foreman responsible for soil preparation, mixes, and placement; supervisor/foreman for exterior plant installation work (As specified in Sections 4.16 & 4.17); and other persons as deemed appropriate for coordination of work and quality control.
- E. Installer Qualifications: Engage an experienced installer who has completed landscaping and soil supply work similar in material, design, and extent to that indicated for this project with a record of successful landscape establishment.
  - 1. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on Project site when planting is in progress.

## **DELIVERY STORAGE AND HANDLING**

- A. Accessory and Packaged Materials:
  - 1. Deliver packaged materials in unopened standard size bags or containers, each clearly bearing the name, guarantee, and trademark of the producer, material composition, manufacturers' certified analysis, and the weight of the material.
  - Packaged material shall be stored off the ground and covered in a manner to prevent materials from getting wet or damp and in such manner that material effectiveness will not be impaired.

#### B. Bulk Materials Deliveries

- Deliver bulk materials with each individual shipment accompanied by an affidavit and/or certification from the vendor (supplier), countersigned by the Contractor upon receipt, identifying the material type, composition, analysis, and weight and certifying that the material furnished complies with specification requirements of this Project.
- 2. Affidavits and/or certifications for bulk materials shall be furnished in duplicate with one copy submitted to Engineer at the end of day of shipment receipt at the Project site and the second copy retained with material or on file with Contractor.
- 3. Planting Soil Mixes may be delivered to the site and stockpiled only in areas specifically designated by the Engineer. Materials shall be protected from contaminants and erosion as well as other dissimilar soil mixes. Temporary storage means and methods shall be submitted and approved by the Engineer.
- 4. Planting Soil Mix storage areas shall be kept neat, clean and necessary precautions shall be taken to avoid damage to existing plants, turf areas and existing site structures.
- 5. Planting Soil Mix Deliveries: Contractor shall provide delivery ticket(s) with name and address of vendor, date and estimated volume of each delivery.

6. Planting Soil Mix and compost materials stored on site shall be covered with a tarpaulin until time of actual use

#### REFERENCES

- A. Recommended Soil Testing Procedures for the Northeastern United States", 3<sup>rd</sup> Edition, Northeastern Regional Publication No. 493, (NRP-493), Agricultural Experiment Stations of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont and West Virginia, Revised, July 1, 2011.
- B. Document may be obtained on the web at: <a href="http://ag.udel.edu/extension/agnr/soiltesting.htm">http://ag.udel.edu/extension/agnr/soiltesting.htm</a>
- C. Test for soil Organic Matter by loss of weight on ignition, as described in NRP-493, p
- D. Test for soil Soluble Salts shall be by the 1:2 (v:v) soil:water Extract Method as described in NRP-493, p. 92.

## 4.15PS.4. SUBMITTALS.

- A. Product Data: For each type of product indicated.
  - 1. The manufacturer shall provide certifications on the key physical properties describing the materials used and installation instructions and general recommendations.
- B. Qualification Data: Submit qualifications and resume of Agricultural Chemist Soils Testing Laboratory to be utilized for soil testing
- C. Samples for Verification:
  - 1. Topsoil: 1 gallon sample in labeled bag.
  - 2. Compost: 1 gallon sample in labeled bag
- D. Material Test Reports:
  - 1. General: Submit written reports of each sample tested. Each report include the following as a minimum and such other information required specific to material tested:
    - a. Date issued.
    - b. Project Title names of Contractor and supplier.
    - c. Testing laboratory name, address and telephone number, and name(s), as applicable, of each field and laboratory inspector.
    - d. Date, place, and time of sampling or test, with record of temperature and weather conditions.
    - e. Location of material source.
    - f. Type of test.
- E. Imported Topsoil Test Reports: Results of tests including identification of deviations from specified ranges. Identify any toxic substance(s) harmful to plant growth or life. Recommendations for soil amendments, mix proportions, and methods of preparation, as applicable to specifications herein.
- F. Organic Amendment Test Reports: Results of tests including identification of deviations from specified ranges. Identify any toxic substance(s) harmful to plant growth or life.
- G. Mock up- Contractor shall mock up a planting bed for review that shall illustrate installed Planting Soil Mix with planting of trees, shrubs and bulbs for review and approval of the Engineer. This may become part of the built work if acceptable.

#### 4.15PS.5. METHODS.

#### **PREPARATION**

A. Before any Planting Soil Mix is placed, the subgrade shall be graded to a smooth, uniform surface, parallel to and below finished grade. Shape sub-grade in planting bed areas as shown on plans and details. The subgrade surface shall be compacted with an approved roller weighing a maximum of two hundred (200 lbs.). Hollows, depressions, and gullies shall be filled with acceptable material free from stones over two inches (2") in diameter, cinders, rubbish, and other unsuitable material. Fill which is four inches (4") or more in depth shall be compacted to the satisfaction of the Engineer.

- B. All lumps, mounds and ridges shall be cut down to subgrade. All areas of the subgrade that are not in a friable condition shall be loosened to a depth of four inches (4") as directed by the Engineer. All surplus material and debris shall be removed and disposed of as per Section 6.02 AAN and as directed by the Engineer. The use of road graders shall not be allowed on site to grade the subgrade nor to grade the Planting Soil Mix.
- C. Verify that all work requiring access through or adjacent to areas where Planting Soil Mix is to be placed has been completed and no further access (other than planting installation) will be required. In the event that access will be required, access must be approved by Engineer and will be subject to replacing soil areas disturbed.

#### SUBGRADE DRAINAGE TESTING

- A. Subgrade Drainage Testing: Notify Engineer if sub grade or subsoil conditions in locations to receive Planting Soil Mix evidence unexpected water seepage or retention.
- B. Subgrade test pits shall be one drainage test for every 1,200 sq. ft. of installed Planting Soil Mix area.
  - 1. Fill test pit with 12" minimum depth water and allow water to naturally drain out. When water has drained out, fill excavation again with 12" minimum depth water and measure rate of drainage. Drainage rate should be a minimum of 1" per hour (1 in drop in water elevation per hour test pit).
  - 2. If test pits do not drain freely, notify Engineer for direction prior to installation of Planting Soil.

## PLACEMENT OF PLANTING SOIL MIX

- A. Limit subgrade preparation to areas to immediately receive Planting Soil material.
- B. Spread Planting Soil Mix to a depth not less than required to meet finish grades after light rolling and natural settlement. Do not spread if Planting Soil or subgrade is frozen, muddy, or excessively wet.
  - 1. Spread remainder of Planting Soil Mix as required in 12" maximum lifts.
  - Uniformly smooth grades of all areas including Planting Soil Mix sections. Graded surface shall be reasonably smooth, compacted, and free from irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated. Provide a smooth transition between adjacent Planting Soil Mix and pavement grades.

- 3. Planting bed areas shall be fine graded within + 1/10 (0.10) feet of grades indicated on Contract Drawings. Maintain all "flat" areas and slopes to allow free flow of surface drainage without ponding.
- 4. Grades not otherwise indicated shall be uniform levels or slopes between such points and existing grades, except that the surface shall be rounded at abrupt changes or
- 5. Slopes. Care shall be exercised in grading all flat areas so as to prevent low spots and water pockets.
- 6. Smooth out unsightly variations, bumps, ridges and depressions that will hold water. Remove stones, litter, or other objectionable material. Cut out soft spots, fill low spots, and trim high spots to comply with required surface tolerances.

#### PLANTING SOIL MIX COMPACTION

#### A. General:

- Control soil compaction during construction for compliance with the percentage of density specified. Utilize appropriate equipment in sufficient quantity and sizes to perform compaction work.
- 2. Keep rollers and other heavy equipment at least 8 feet from footings, foundations, piers and walls of buildings and 3 feet from appurtenances and other structures on site.
- B. Compaction levels with material dry density as determined by ASTM D-2922 shall be as follows:
  - 1. Under planting areas: 85% maximum, Modified Proctor, but uniform in any defined area. At any site areas designated for planting, care shall be taken not to over compact soils.
- C. Fill material shall be treated so that the moisture content at the time of compaction is at or no more than 3% above the optimum moisture content for the compacted soil.
- D. If the fill material becomes too dry for the required compaction, fill shall be moistened by a method approved by the Engineer prior to or continuing compaction operations.

## AMENDMENT OF PLANTING SOIL MIX WITH COMPOST

- A. After installation of topsoil, amend with compost.
- B. Uniformly apply compost to topsoil surface and blend into topsoil with a roto-tiller at the following rates:
  - 1. Apply 1-inch depth over proposed lawn areas blend into top 4 inches.
  - 2. Apply 3-inch depth over proposed plant bed areas blend into top 12 inches.
- C. Make minimum of three passes over compost and topsoil with roto-tiller to ensure a uniform blending of materials.

#### PLANTING SOIL MIX FINISH GRADING

A. The locations and elevations of constructions are indicated on the drawings and, unless inconsistencies are brought to the written attention of the Engineer prior to the commencement of work, the Contractor shall be held responsible for the proper location and elevations of the completed work.

- B. The required subgrade elevation shall be such that when Planting Soil Mix material is added, the final elevations will be those shown on the Drawings.
- C. Finish grading will be within one tenth of a foot (0.1') of the elevations shown on the drawings.
- D. Grades not otherwise indicated shall be uniform levels or slopes between such points and existing grades, except that the surface shall be rounded at abrupt changes or slopes. Care shall be exercised in grading all flat areas so as to prevent low spots and water pockets.
- E. Before any placement of Planting Soil Mix on the existing or prepared subgrade, verify preparation to design line and grade.

#### **CLEANUP AND PROTECTION**

- A. Promptly remove soil and debris created by work from paved areas. Clean wheels of vehicles before leaving site to avoid tracking soil onto roadways, walks or other paved areas.
- B. Protect newly graded areas from traffic and erosion. Keep free of trash and debris. Repair and reestablish grades in settled, eroded, and rutted areas to the specific tolerances.
- C. Reconditioning Compacted Areas: Where completed and compacted soil or sub-base areas are disturbed by subsequent construction operations or adverse weather, scarify the surface, reshape, and compact to the required density prior to further construction. Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions.
- D. Where settling occurs before Project correction period elapses, remove finished surfacing, backfill with approved fill, compact, and reconstruct surfacing.
- E. Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to the greatest extent possible.
- F. Any soils contaminated by gasoline, oil, plaster, construction debris, unacceptable soils, or other substances that would render sub-grade or a Planting Soil Mix material unsuitable for a proper lawn or plant growth shall be removed from the premises whether or not such pollution occurs or exists prior to or during the Contract period. In the event that contaminated material is placed, this material shall be removed and replaced with approved material. All remedial operations associated with use of Planting Soil Mix shall be reviewed and approved by the Engineer.
- G. The Contractor shall be liable for any damage to property caused by Planting Soil Mix operations and all areas of construction disturbed shall be restored to their original condition, to the satisfaction of the Engineer.

## 4.15PS.6. MEASUREMENT.

The quantity of Planting Soil Mix to be paid for shall be the number of cubic yards measured in place after compaction. No payment or allowance will be made for Planting Soil Mix placed beyond the limits specified.

#### 4.15PS.7. PRICE TO COVER.

The contract price per cubic yard of Planting Soil Mix shall cover the cost of all labor, materials, insurance, incidentals, and equipment required to rough grade, place the Planting Soil Mix and fine grade the soils in their final place, and in full compliance with the requirements of the specifications, and to furnish such samples for testing as may be required. No additional payment will be made removal of surplus material and debris, the cost of which shall be deemed to be included under all scheduled items.

## Payment will be made under:

Item No. Item Pay Unit

4.15 PS TOPSOIL FOR NEW PLANTING BEDS C.Y.

## SECTION 6.02 P PNEUMATIC EXCAVATION AND BACKFILLING AROUND TREES

#### 6.02P.1. INTENT.

The intent of this section is to perform pneumatic excavation and backfilling work at locations where trees exist within the work area and are required to remain, requires the protection of tree roots during excavation and backfilling, and implements, as needed, a temporary excavation support system. Work covered under this section shall be performed at the locations indicated on the Contract Drawings, in accordance with the specifications and directions of the Engineer.

#### 6.02P.2. CONSTRUCTION DETAILS.

The work shall be in accordance with the contract drawings and as directed by the Engineer. Prior to any pneumatic excavation work, the following shall be performed:

#### (A) WORK SITE SAFETY

Pneumatic excavation shall be performed in compliance with all applicable OSHA regulations and the manufacturer's operating instructions. Adequate eye and ear protective equipment shall be worn by all crew members present at the work site. 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) OPERATOR QUALIFICATIONS

The excavating tool shall be utilized only by personnel having at least one year of experience operating the pneumatic excavation tool. The Contractor shall submit to the Engineer written certification from the equipment manufacturer or supplier of the operator's training and experience in the use of the pneumatic excavation tool.

#### (C) CERTIFIED ARBORIST

Unless otherwise directed by the Engineer, all pneumatic excavation work shall be performed under the direction of an International Society of Arboriculture (ISA) Certified Arborist to be provided by the Contractor and paid for under TREE CONSULTANT Item No. 4.21.

#### (D) 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, the Contractor's Certified Arborist and other parties as appropriate, to review the requirements of this item including the schedule of operations, the mandatory presence of the Arborist, safety measures, reporting, etc. The Contractor is required to submit a schedule of its anticipated pneumatic excavations at this meeting.

#### (E) 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 and backfilling. 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.

#### 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 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 (101.5 psi)

Air Stream Velocity at Cutting Head: 2,200 – 2,500 km/hr (2,000 – 2,275 ft/sec)

Air <u>Displacement:</u> 2,800 – 5,000 liter/min (100 – 180 ft<sup>3</sup>/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:

NYSDOTSS Section		
711-02		
711-06		

(6) BACKFILL. The following are required for backfill material:

<u>Item</u>	NYSDOTSS Section
Topsoil	713-01
Limestone	713-02
Fertilizer	713-03
Mycorrhizal Funghi	713-09
Compost	713-15
··· <b> </b> ·	

### 6.02P.5. EXCAVATION PROCEDURES.

The Contractor shall meet all requirements of this section, including transmitting any required submittals.

(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 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 to remove soil without 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, 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.

## (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 of the Department shall comply with the requirements of **Section 40.05**, "SHEETING AND BRACING," of the NYC Department of Design and Construction, Division of Infrastructure, Standard Sewer and Water Main Specifications, dated July 1, 2014, 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 trenches and excavations.

#### (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 utility installation 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 Contractor's Arborist. In the case that the concentration of roots obstructs the placement of utilities, footings, or other structures, limited pruning may be necessary as directed by the Contractor's Arborist. 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 Contractor's ISA Certified Arborist.

#### (E) UTILITY INSTALLATION

Utilities shall be installed as shown on the drawings, including bedding materials. In order to facilitate backfilling on an expedited basis, the Contractor shall install the materials for utilities in a continuous operation along with the pneumatic excavation operations to allow for backfilling of the trench within the same work shift.

Exposed root systems may impede utility installation within an open trench. Therefore, workers shall pass each individual item of utility construction carefully through the root system for placement and assembly within the excavated trench.

## (F) BACKFILLING OPERATIONS

Excavations containing exposed tree roots shall be backfilled immediately after the Engineer inspects and approves the required construction work. The Contractor shall provide adequate work crews to backfill the excavated area within twenty-four (24) hours of excavation. Upon completion of inspection of installation work, the Contractor shall remove the burlap or cotton matting and commence backfilling operations.

Suitable excavated material may be used as backfill up to a depth of twelve (12) inches below finished grade. The existing soil shall be amended with humus, peat, peat moss, or source-separated compost in the ratio of one part organic to seven parts excavated soil. If required, provide additional clean backfill material. The Contractor shall properly dispose of excess and unsuitable excavated materials.

Backfilling shall be performed with care not to damage the exposed roots. The Contractor shall compact the backfill material under the direction of the Contractor's ISA Certified Arborist. The Contractor shall compact the backfill material to be commensurate with the density of the undisturbed adjacent soils unless otherwise directed by the Contractor's ISA Certified Arborist. Surface restoration including backfilling the twelve (12) inches of the excavation with approved topsoil, shall be performed separately under the appropriate items.

### (G) TREE CONDITION REPORT

The Contractor shall supply the Contractor's ISA Certified Arborist with information as needed for the Contractor's Arborist to prepare periodic reports to the Engineer summarizing the number, type, and condition of trees adjacent to each area of pneumatic excavation; indicating the duration of open excavation; and identifying any root damage and actions taken.

### 6.02P.6. MEASUREMENT.

#### (A) The quantity of

#### ITEM NO. 6.02 PA - PNEUMATIC EXCAVATION AROUND TREES

to be measured for payment shall be the number of cubic yards of soil material removed by pneumatic excavation as described herein and to the satisfaction of the Engineer. The volume shall be obtained by vehicle measurement in cars, trucks, etc., at the place of removal. 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.

## (B) The quantity of

### ITEM NO. 6.02 PB - BACKFILLING AROUND TREES

to be measured for payment shall be the number of cubic yards of backfill material deposited around trees as described herein and to the satisfaction of the Engineer. The volume shall be obtained by vehicle measurement in cars, trucks, etc., at the place of deposit. For carload and truckload deliveries, only water level loads will be accepted and no allowance will be made for any crown or peak of the load.

#### 6.02P.7. PRICES TO COVER.

## (A) The contract price bid for

ITEM NO. 6.02 PA - PNEUMATIC EXCAVATION AROUND TREES

shall be a unit price per Cubic Yard to perform the pneumatic excavation work around trees as described herein, at the locations and to the limits indicated on the Contract Drawings. The unit price shall include the cost of all labor, materials, plant, equipment, professional engineering design services, insurance, and incidentals needed to perform the work, including, but not limited to, disposal of excess and unsuitable materials; all in accordance with the contract drawings, the specifications and directions of the Engineer.

## (B) The contract price bid for

#### ITEM NO. 6.02 PB - BACKFILLING AROUND TREES

shall be a unit price per Cubic Yard to backfill around trees as described herein, at the locations and to the limits indicated on the Contract Drawings. The unit price shall include the cost of all labor, materials, plant, equipment, professional engineering design services, insurance, and incidentals needed to perform the work, including, but not limited to, furnishing and placing backfill materials; all in accordance with the contract drawings, the specifications and directions of the Engineer.

No separate payment will be made for replacement trees required by New York Department of Parks & Recreation (NYCDPR) that the Contractor shall acquire and plant as a result of damage to trees caused by the Contractor's excavation and/or backfilling methods.

No separate payment will be made for sheeting and bracing systems that the Contractor elects to use or that are ordered to use by the Engineer.

#### Payment will be made under:

Item No.	Item	Pay Unit
6.02 PA	PNEUMATIC EXCAVATION AROUND TREES	C.Y.
6.02 PB	BACKFILLING AROUND TREES	C.Y.

## **SECTION 6.77R – Metal Trash Receptacle**

#### 6.77R.1. INTENT.

This section describes the furnishing and installation of metal trash receptacles.

#### 6.77R.2. DESCRIPTION.

Under this Section, the Contractor shall furnish and install metal trash receptacles, in accordance with the Contract Drawings, the specifications and directions of the Engineer.

#### 6.77R.3. MATERIALS.

- A. 3/8" x 1" vertical solid steel bars; 1/4" x 2-1/2" horizontal solid steel bands; 1/4" x 2" upper steel support bars, 3/8" x 3" lower steel support bars; 5/8" solid steel top ring; leveling feet with a 3/8" diameter threaded steel shaft. Oil impregnated bronze bushings and stainless steel pivot pins for door movement, standard 3/16" solid steel latch assembly or optional patented stainless steel keyed lock assembly.
- B. 36-gallon (136 liter) capacity high density plastic liner weight not to exceed 6 lbs. Victor Stanley, Inc., plastic inner liners are molded on tooling designed for and owned by Victor Stanley, Inc.

#### **6.77R.3.1. REFERENCES.**

- A. ASTM Testing Standards:
  - 1. ASTM B 108 Standard Specification for Aluminum-Alloy Permanent Mold Castings.
  - 2. ASTM B 117 Standard Practice for Operating Salt Spray (Fog) Apparatus.
  - 3. ASTM B 221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
  - 4. ASTM D 522 Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings.
  - 5. ASTM D 523 Standard Test Method for Specular Gloss.
  - ASTM D 2247 Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity.
  - 7. ASTM D 2794 Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
  - 8. ASTM D 3359 Standard Test Methods for Measuring Adhesion by Tape Test.
  - 9. ASTM D 3363 Standard Test Method for Film Hardness by Pencil Test.
  - 10. ASTM G 155 Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials.
- B. ISO Testing Standards:
  - ISO 1520 Paints and Varnishes Cupping Test.
  - 2. ISO 2815 Paints and Varnishes Buchholz Indentation Test.

#### 6.77R.3.2. SUBMITTALS.

Follow the procedures in the General Conditions of Section 1.06.31 of the NYCDOT Standard Highway Specifications.

- A. Product Data: Submit manufacturer's product data, storage and handling requirements and recommendations; installation methods; and available colors, styles, patterns and textures.
- B. Samples: Submit three (3) samples of specified color as applied to an 8 inch by 8 inch square of specified metal for approval by the Engineer.
- C. Warranty: Guarantee for a minimum of three years.

#### 6.77R.3.3. QUALITY CONTROL.

- A. Product Support: All Products shall be supported with complete engineering drawings and design patents.
- B. Production: Orders shall be filled within 10 weeks.

## 6.77R.3.4. DELIVERY, STORAGE, AND HANDLING.

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area in accordance with manufacturer's instructions. Keep materials in manufacturer's original, unopened containers and packaging until installation.
- C. Handling: Protect materials and finish during handling and installation to prevent damage.

#### 6.77R.3.5. WARRANTY.

- A. Warranty Information:
  - 1. Products shall be free from defects in material and/or workmanship for a period of three (3) years from the date of substantial completion.
  - 2. The warranty may exclude damage resulting from accident, misuse, tampering, negligence, or abuse.
  - Products or any items found defective upon inspection by an authorized manufacturer service representative and Engineer shall be repaired or replaced to the satisfaction of the Engineer, at no additional cost to the City.

#### 6.77R.3.6. MANUFACTURER.

Product to be as manufactured by:

A. Manufacturer:

Victor Stanley P.O. Drawer 330 Dunkirk, Maryland 20754 T: 800.368.2573

F: 410.257.7579 www.victorstanley.com

#### 6.77R.3.7. PRODUCTS.

- A. Metal Trash Receptacle: shall be "Ironsites SD-42", side-opening, 36 gallon capacity, 36" height, 30" diameter, Convex lid, surface mounted, with black liner. Metal components fabricated from steel shotblasted, etched, phosphatized, preheated, and electrically powder-coated with T.G.I.C. polyester powder coatings.
- B. Custom Decal: Type: pressure sensitive vinyl outdoor decal that reads: "Myrtle Avenue BID". Color: white. Size: 1-1/2" max height. Font: As directed by BID.

#### 6.77R.3.8. FINISHES.

- A. Finish on Metal:
  - 1. Primer: Rust inhibitor.
  - 2. Topcoat: Thermosetting TGIC polyester powder coat. UV, chip and flake resistant.
    - a. Gloss Consistency, Gardner 60 Degrees, ASTM D 523: Plus or minus 5 percent from standard.
    - b. UV Resistance, Color and Gloss, ASTM G 155, Cycle 7: Delta E less than 2 at 2.0 mils and less than 20 percent loss.

- c. Cross-Hatch Adhesion, ASTM D 3359, Method B: 100 percent pass.
- d. Flexibility Test, Mandrel, ASTM D 522: 3 mm at 2 mils.
- e. Erichsen Cupping, ISO 1520: 8 mm.
- f. Impression Hardness, Buchholz, ISO 2815: 95.
- g. Impact Test, ASTM D 2794: 60 inch-pounds at 2.5 mils.
- h. Pencil Hardness, ASTM D 3363: 2H minimum.
- i. Corrosion Resistance, 1,500-Hour Test, ASTM B 117: Max undercutting 1 mm.
- j. Humidity Resistance, 1,500-Hour Test, ASTM D 2247: Max blisters 1 mm.
- 3. Powdercoat Color: Shall be "Black".

#### 6.77R.4. **METHODS**.

The following methods of installation shall be used:

- A. Examination:
  - Examine areas to receive metal trash receptacle.
  - 2. Notify the Engineer of conditions that would adversely affect installation or subsequent use.
  - 3. Do not begin installation until unacceptable conditions are corrected and acceptance verified in writing by Engineer.
- B. Assembly: Metal trash receptacle shall be shop assembled.
- C. Installation:
  - Confirm precise location of metal trash receptacle and drill concrete pavement as necessary
    to permanently affix a galvanized steel 1/4" threaded rod, minimum 3" embedment and at
    proper mounting height with non-shrink, non-expanding epoxy.
  - 2. Install metal trash receptacle level and plumb on 1/4" threaded rod in accordance with manufacturer instructions. Adjust leveling feet as necessary for plumb installation.
  - 3. Once plumb, secure metal trash receptacle in place on galvanized steel 1/4" threaded rod with a galvanized steel lock nut above a galvanized steel fender washer.
- D. Damage Repair: Repair minor damages to finish in accordance with manufacturer's instructions and as approved by the Engineer. Remove and replace damaged components that cannot be successfully repaired as determined by Engineer.
- E. Cleaning: Clean receptacles promptly after installation in accordance with manufacturer's instructions. Do not use harsh cleaning materials or methods that could damage finish.
- F. Protection: Protect installed metal trash receptacles to ensure metal trash receptacles will be without damage or deterioration at time of Substantial Completion.
- **6.77R.5. MEASUREMENT.** The quantity of Metal Trash Receptacles to be measured for payment shall be the actual number of receptacles installed at the site, to the satisfaction of the Engineer.
- **6.77R.6. PRICE TO COVER.** The unit price bid for EACH Metal Trash Receptacle shall include the cost of furnishing all labor, materials, equipment, insurance, and incidentals necessary to furnish, assemble and install metal trash receptacles including, but not limited to, drilling of concrete pavements and installation of galvanized steel threaded rod and hardware; all in accordance with the Contract Drawings, the specifications and the directions of the Engineer.

Payment will be made under:

Item No. Item Pay Unit

6.77R METAL TRASH RECEPTACLE EACH

## **SECTION 7.50 DMLS – Dolomitic Limestone Block Seating**

#### 7.50DMLS.1. INTENT.

This work shall consist of the construction of dolomitic limestone block seating units, as specified.

#### 7.50DMLS.2. MATERIALS.

Dolomitic Limestone for Block Seating Units conforming to ASTM c 568, Classification: Category III, High Density. Stone shall be provided with the following physical properties:

- 1. Absorption: ASTM C 97, 2.0 percent maximum.
- 2. Density: ASTM C 97, 150 lbs. per CF minimum.
- 3. Modulus of Rupture: ASTM C 99, 1,000 psi minimum.
- 4. Compressive Strength: ASTM C 170, 15,000 psi average.
- 5. Abrasion Resistance: ASTM C 241, R12.0 minimum.
- 6. Freeze Thaw Durability: ASTM D 5312, mass loss after 35 cycles, 0 percent.
- 7. Wetting and Drying Durability: ADSM D 5313, mass loss after 80 cycles, 0 to 1/10<sup>th</sup> of 1 percent.

Color/Finish: Buff/Sandblast

Dimensions: Height, width and depth varies by unit - refer to stone block seating schedule and drawings.

Finishes: All exposed faces shall be Sandblast.

#### A. Manufacturers / Suppliers:

- Valders Stone & Marble, Inc., Division of Eden Stone Co., 318 W. Washington Street, Valders, WI 54245. ASD. Tel: 920.775.4151, Fax: 920.775.4087, Web: www.valderstone.com
- 2. Furlong and Lee: Bob Furlong, 40 W. 37<sup>th</sup> Street, Suite 900, New York, NY 10018, Tel: 212-986-3828, Fax: 212.682.7683, Web: www.furlongandlee.com
- 3. Architectural Craft Stone Source, Inc., 150-28 Union Turnpike, Suite 105, Flushing, NY, Tel: 718.820.8885, Fax: 718.820.8887, Web: <a href="https://www.acs-us.net">www.acs-us.net</a>
- 4. Or an approved equivalent.
- B. Single Source Responsibility of Stone: Obtain limestone from a single quarry source with resources to provide the quantity of materials required in the specified consistent quality. Limestone source for block seating shall be the same as the dolomitic limestone curbs to be installed as part of the plaza reconstruction.
- C. Course Aggregate Base Stone: Stone shall conform to the NYCDOT Standard Highway Specification, Section 2.02, Type 1- Broken Stone, Grade B and conform to the following gradation:

	Percentage of Dry Weight
Sieve Size	Passing Designated Sieve Size
1"	100
1/2"	90-100
1/4"	0-15

#### 7.50DMLS.3. SUBMITTALS.

All submittals shall be in accordance with the requirements of the General Conditions in the NYCDOT Standard Highway Specification. The Contractor shall submit the following for the Engineer's approval, prior to ordering the material:

Material Samples: Dolomitic limestone block seating,  $6^{\circ}$  Long x  $6^{\circ}$  Wide x  $2^{\circ}$  High (min.) sample with sandblast finish and  $1/2^{\circ}$  radius on 3 edges (min.).

Shop Drawings: Include accurate dimensions including sections and profiles of stones. Indicate locations of each stone block seating unit on the setting drawings that reference plans of 71st Avenue Plaza with number designation corresponding to number marked on each unit. Indicate materials, finishes, and edge treatments. Obtain approval of shop drawings before fabricating samples or before fabrications.

Product Data: Manufacturer's data sheets including storage and handling requirements and recommendations and cleaning methods.

Prior to Commencement of Work, the Contractor shall submit the name of the dolomitic limestone block seating installer upon which his bid is based, along with their respective work history experience. The installer shall have a minimum of three (3) years of documented experience in installing stone.

Installation Plan: Dolomitic limestone block seating installer shall prepare an installation plan, including detailed means and methods that designates any heavy machinery to be used, as coordinated with the Contractor, for review and approval prior to installation of Mock up.

#### 7.50DMLS.4. QUALITY CONTROL.

- A. Stone Materials: Stone shall be standard grade, free of crack or seam which may impair its structural integrity or function and shall comply with industry standards and practices specified.
- B. Mockups: Build a mockup of dolomitic limestone block seating to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution. Mock Up should include two adjacent stone block seating units. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- C. Pre-installation Meeting: Conduct pre-installation meeting including the Engineer, Contractor, and Stone Installer Subcontractor, and NYC DDC Project Manager to review the installation plan, verify project requirements, substrate conditions, manufacturer's installation instructions, and other requirements. Comply with Division 1 requirements in the NYCDOT Standard Highway Specification.

## 7.50DMLS.5. METHODS.

Install dolomitic limestone blocks on a bedding of compacted base-course material over compacted subgrade. Protect stone block seating from any adjacent installation when stone block seating is installed prior to adjacent pavements and curbs. Set stone blocks at elevations indicated, accurately aligned, and place and compact base-course material as indicated.

Handling. Dolomitic limestone blocks from quarries shall be delivered, piled, and laid, as required. They shall be handled with care to prevent the chipping and breaking of edges and corners.

#### 7.50DMLS.6. MEASUREMENT.

The quantity to be measured for payment shall be number of cubic feet of Dolomitic Limestone Block Seating units consisting of various dimensions, satisfactorily installed to the lines, grades and patterns shown on the Contract Drawings, specified or directed, measured in place in their final positions.

#### 7.50DMLS.7. PRICE TO COVER.

The unit price bid per cubic feet for Dolomitic Limestone Block Seating units, consisting of various dimensions, shall cover the cost of furnishing all labor, material, plant, equipment, insurance, and incidentals necessary to furnish and install block seating units on a course aggregate stone base, complete; all in accordance with the Contract Drawings, the specifications and the directions of the Engineer.

Payment will be made under:

Item No.	Item	Unit
7.50 DMLS	DOLOMITIC LIMESTONE BLOCK SEATING	C.F.

# SECTION 7.50 SF-MA Movable Site Furnishings

#### 7.50SF-MA.1. INTENT.

This section describes the products and installation of Site Furnishings.

# 7.50SF-MA.2. DESCRIPTION.

Under this Section, the Contractor shall furnish and install the followings Site Furnishings, in accordance with the Contract Drawings, the specifications and directions of the Engineer:

# "A" Products consisting of:

- 1. Movable Chairs
- 2. Movable Lounge Chairs
- Movable Tables
- 4. Movable Tables with Chess Tabletop

# "B" Product consisting of:

1. Movable Umbrellas with Base

#### 7.50SF-MA.3. REFERENCES.

- A. ASTM Testing Standards:
  - 1. ASTM B 117 Standard Practice for Operating Salt Spray (Fog) Apparatus.
  - 2. ASTM D 522 Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings.
  - 3. ASTM D 523 Standard Test Method for Specular Gloss.
  - ASTM D 2247 Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity.
  - 5. ASTM D 2794 Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
  - 6. ASTM D 3359 Standard Test Methods for Measuring Adhesion by Tape Test.
  - 7. ASTM D 3363 Standard Test Method for Film Hardness by Pencil Test.
  - 8. ASTM G 155 Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials.
- B. ISO Testing Standards:
  - 1. ISO 1520 Paints and Varnishes Cupping Test.
  - 2. ISO 2815 Paints and Varnishes Buchholz Indentation Test.
- C. ANSI/BIFMA Testing Standards:
  - 1. ANSI/BIFMA X5.4-2005 Standard Test for Lounge Seating.

#### 7.50SF-MA.4. SUBMITTALS.

- A. Product Data: Submit manufacturer's product data, storage and handling requirements and recommendations, installation methods and available colors, styles, patterns and textures.
- B. Shop Drawings: Submit manufacturer's shop drawings, including plans and elevations, indicating overall dimensions for approval by the Engineer.
- C. Samples: Submit manufacturer's samples of materials, finishes, and colors, including three (3) samples of specified color as applied to an 8 inch by 8 inch square of specified metal with and without protective coatings including all four (4) powder coat colors: "White"; "Ivy"; "Stormcloud"; and "Parrot Green", and "Forest Green" Sunbrella Plus umbrella fabric for approval by the Engineer.
- D. Warranty: Guarantee for a minimum of three (3) years.

## 7.50SF-MA.5. DELIVERY, STORAGE, AND HANDLING.

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area in accordance with manufacturer's instructions. Keep materials in manufacturer's original, unopened containers and packaging until installation.
- C. Handling: Protect materials and finish during handling and installation to prevent damage.

# 7.50SF-MA.6. WARRANTY

- A. Warranty Information:
  - 1. Products will be free from defects in material and/or workmanship for a period of three years from the date of substantial completion.
  - 2. The warranty may exclude damage resulting from accident, misuse, tampering, negligence, or abuse.
  - 3. Products shall be repaired or replaced to the satisfaction of the Engineer any items found defective upon inspection by an authorized manufacturer service representative and Engineer.

### 7.50SF-MA.7. MANUFACTURERS, VENDORS AND PRODUCTS.

# A. Manufacturers and Vendors

1. Manufacturer of "A" Products:

Landscape Forms, Inc.; 431 Lawndale Avenue, Kalamazoo, Michigan 49048, Toll Free (800) 521-2546, Phone (269) 381-0396, Fax (269) 381-3455, Website: www.landscapeforms.com, E-mail: specify@landscapeforms.com

- 2. Vendors of "A" Products:
  - a. Landscape Forms, Inc.; 431 Lawndale Avenue, Kalamazoo, Michigan 49048, Toll Free: 800.521-2546, T: 269.381.0396, Fax: 269.381.3455, Website: www.landscapeforms.com, Email: specify@landscapeforms.com

- b. Arenson; 1115 Broadway, New York, NY, T: 212-633-2400, Email: MAdinolfi@aof.com
- c. AFD Contract Furniture Inc.; 810 7<sup>th</sup> Avenue #2, New York, NY, T: 212-721-7100, Email: tcohen@afd-inc.com
- d. Empire Office; 105 Madison Ave, New York, NY10016, T: 212.607.5500, Email: mmaltz@empireoffice.com
- e. Or approved equivalent vendor.
- 3. Manufacturer of "B" Product:

Tuuci, 2900 Northwest 35<sup>th</sup> Street, Miami, Florida 33142, T: 305.634.5116, F: 305.634.5119, www.tuuci.com

- 4. Vendors of "B" Product:
  - a. Continental Restaurant Supply; 412 Jerusalem Avenue, Hempstead, NY 11550, Phone: (516) 538-0520, Fax: (516) 538-0250, <u>www.consupplies.com</u>
  - b. Sam Tell Companies; 1375 Broadway, Suite 502, New York, NY 10018, Phone: (631) 501-9700, Fax: (631) 501-9709, <a href="https://www.samtell.com">www.samtell.com</a>
  - c. Landscape Forms, Inc.; 431 Lawndale Ave., Kalamazoo, MI 49048, Phone: (800) 430-6209, Fax: (269) 381-3455, <a href="https://www.landscapeforms.com">www.landscapeforms.com</a>
  - d. Or approved equivalent supplier.

#### B. "A" Products:

- 1. Chairs: "Parc Centre" Chair
  - a. Option: No Arms
  - b. Colors: "Ivy"; "Stormcloud"; and "Parrot Green"
- 2. Lounge Chairs: "Parc Lounge" Chair
  - a. Option: With Arms, shall comply with ANSI/BIFMA X5.4-2005 Standard Test for Lounge Seating.
  - b. Colors: "Ivy"; "Stormcloud"; and "Parrot Green"
- 3. Movable Tables: "Parc Centre" Table
  - a. Diameter: 30" Round with umbrella hole
  - b. Colors: "Ivy"; "Stormcloud"; and "Parrot Green"
- 4. Movable Tables with Chess Tabletop: "Parc Centre" Table
  - a. Diameter: 30" Round
  - b. Colors: "Ivy"; Chess Tabletop Pattern Color: "White"

# C. "B" Products:

- 1. Umbrellas: "Ocean Master Max Classic"
  - a. Size: 11ft diameter
  - b. Shape: Octagon

- c. Fabric Grade/ Color: Single Solid Color Panels Sunbrella Plus/ Forest Green (4637/6037)
- d. Option: Single vent
- e. Option: Market Profile
- f. Option: Auto-loc marine lift pulley system
- g. Finish: Polished Titanium Finish
- 2. Umbrella Base: "Alum-crete" with lift handles
  - a. Weight: 250 lbs.
  - b. Base Color: Polished Titanium Finish

## 7.50SF-MA.8. MATERIALS.

- A. Chairs: "Parc Centre" Chair
  - 1. Seat & Back Panel: made of steel straps.
  - 2. Frame: Cold Drawn Steel.
  - Stacking Bumper Glide: Made from super-tough nylon to resist damage from dragging on rough surfaces.
- B. Lounge Chairs: "Parc Lounge" Chair
  - 1. Seat & Back Panel: made of HRP&O A36 3/4" x 0.188" steel straps.
  - 2. Lounge Form: 1/2" outer diameter solid 1018 cold drawn carbon steel wire.
  - 3. Stacking Bumper Glide: Size: 0.85" width x 1.5" length x 0.53" height. Made from super-tough nylon to resist damage from dragging on rough surfaces.
- C. Movable Tables: "Parc Centre" Table.
  - 1. Table Tops: Round 30" diameter solid 5/16 steel plate welded to the table support.
    - a. Powder coated steel.
    - b. Height: 29 1/2 inches.
  - 2. Table Supports: 2-1/2" outer diameter x 0.120" wall steel tubing. Base plate 17" outer diameter x 0.375" steel.
    - a. Freestanding with nylon glides.
    - b. Custom chess tabletop graphic as shown in drawings (2 units only) to be white powder coated.
- D. Umbrellas: "Ocean Master Autoscope"
  - 1. Fabric: "Marine Grade" tuff-skin Grade C
  - 2. Auto-loc marine lift pulley system
  - 3. Pole: Aluminum
- E. Umbrella Anchors: "Alum-crete" with lift handles by Tuuci.

#### 7.50SF-MA.9. RECYCLED CONTENT.

- A. Chairs: "Parc Centre" and "Parc Lounge" Chairs
  - 1. Recycled Material Content: Minimum 90.6 percent.
  - 2. Post-Consumer Material Content: Minimum 58.8 percent.
  - 3. Pre-Consumer Material Content: Minimum 31.8 percent.
  - 4. Recyclable: 100 percent
- B. Table: "Parc Centre"
  - 1. Recycled Material Content: Minimum 90.7 percent.
  - 2. Post-Consumer Material Content: Minimum 58.9 percent.
  - 3. Pre-Consumer Material Content: Minimum 31.8 percent.
  - 4. Recyclable: 100 percent

## 7.50SF-MA.10. FINISHES.

- A. Chairs and Lounge Chairs
  - 1. Finish on Metal: Landscape Forms, Inc. "Pangard II".
  - 2. Primer: Rust inhibitor.
  - 3. Topcoat: Thermosetting polyester powdercoat. UV, chip, and flake resistant.
  - 4. Test Results: "Pangard II".
    - a. Gloss Consistency, Gardner 60 Degrees, ASTM D 523: Plus or minus 5 percent from standard.
    - b. UV Resistance, Color and Gloss, ASTM G 155, Cycle 7: Delta E less than 2 at 2.0 mils and less than 20 percent loss.
    - c. Cross-Hatch Adhesion, ASTM D 3359, Method B: 100 percent pass.
    - d. Flexibility Test, Mandrel, ASTM D 522: 3 mm at 2 mils.
    - e. Erichsen Cupping, ISO 1520: 8 mm.
    - f. Impression Hardness, Buchholz, ISO 2815: 95.
    - g. Impact Test, ASTM D 2794: 60 inch-pounds at 2.5 mils.
    - h. Pencil Hardness, ASTM D 3363: 2H minimum.
    - i. Corrosion Resistance, 1,500-Hour Test, ASTM B 117: Max undercutting 1 mm.
    - j. Humidity Resistance, 1,500-Hour Test, ASTM D 2247: Max blisters 1 mm.

### B. Movable Tables:

- 1. Finish on Carbon Steel: Landscape Forms, Inc. "Pangard II".
- 2. Primer: Rust inhibitor.
- 3. Topcoat: Thermosetting polyester powdercoat. UV, chip, and flake resistant.

- 4. Test Results: "Pangard II".
  - a. Gloss Consistency, Gardner 60 Degrees, ASTM D 523: Plus or minus 5 percent from standard.
  - UV Resistance, Color and Gloss, ASTM G 155, Cycle 7: Delta E less than 2 at 2.0 mils and less than 20 percent loss.
  - c. Cross-Hatch Adhesion, ASTM D 3359, Method B: 100 percent pass.
  - d. Flexibility Test, Mandrel, ASTM D 522: 3 mm at 2 mils.
  - e. Erichsen Cupping, ISO 1520: 8 mm.
  - f. Impression Hardness, Buchholz, ISO 2815: 95.
  - g. Impact Test, ASTM D 2794: 60 inch-pounds at 2.5 mils.
  - h. Pencil Hardness, ASTM D 3363: 2H minimum.
  - i. Corrosion Resistance, 1,500-Hour Test, ASTM B 117: Max undercutting 1 mm.
  - j. Humidity Resistance, 1,500-Hour Test, ASTM D 2247: Max blisters 1 mm.
- C. Umbrellas: Polished Titanium Finish
- D. Umbrella Anchors: Polished Titanium Finish

#### 7.50SF-MA.11. FABRICATION.

Fabricated and fully assembled by manufacturer in the shop.

#### 7.50SF-MA.12. METHODS.

The following methods of installation shall be used.

#### A. Examination:

- 1. Examine areas to receive the Site Furnishings.
- 2. Notify Engineer of conditions that would adversely affect installation or subsequent use.
- 3. Do not begin installation until unacceptable conditions are corrected and acceptance verified in writing by Engineer.

## B. Installation:

- 1. Install Site Furnishings in accordance with manufacturer's instructions at locations indicated on the Drawings.
- 2. Locate Site Furnishings as directed by Engineer.
- Install Site Furnishings plumb and level.

## C. Adjusting:

1. Finish Damage: Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Engineer.

2. Component Damage: Remove and replace damaged components that cannot be successfully repaired as determined by Engineer.

## D. Cleaning:

Clean Site Furnishings promptly after installation in accordance with manufacturer's instructions. Do not use harsh cleaning materials or methods that could damage finish.

#### E. Protection:

Protect installed Site Furnishings to ensure they will be without damage or deterioration at time of Substantial Completion.

#### 7.50SF-MA.13. MEASUREMENT.

The quantity to be measured for payment shall be the number of each type Site Furnishing installed at the site to the satisfaction of the Engineer.

#### 7.50SF-MA.14. PRICES TO COVER.

The prices bid shall be the unit price per EACH type of Site Furnishing Item covered under this Section and shall include the cost of furnishing all labor, materials, equipment, insurance, and incidentals necessary to furnish, assemble and install the Site Furnishing including, but not limited to, chair arm rests and glides, and hardware, as required; all in accordance with the Contract Drawings, the specifications and the directions of the Engineer.

## Payment will be made under:

Item No.	Item	Pay Unit
7.50 SF-MA1	CHAIRS	EACH
7.50 SF-MA2	LOUNGE CHAIRS	EACH
7.50 SF-MA3	MOVABLE TABLES	EACH
7.50 SF-MA3-C	MOVABLE TABLE WITH CHESS TABLETOP	EACH
7.50 SF-MA4-M	MOVABLE UMBRELLA WITH BASE	EACH

# SECTION 7.57 DGRA Drilling and Grouting Reinforcement Bars

# 7.57DGRA.1. Description.

Under this section, the Contractor shall furnish all labor, materials, equipment, insurance, and incidentals required to drill holes and grout reinforcing bars within those holes, all in accordance with the plans, the specifications and directions of the Engineer.

## 7.57DGRA.2. Materials.

Grout material shall be a non-metallic, non-shrink grout or polymer resin supplied in prepackaged and/or premeasured containers. It shall contain no metals, rust or corrosion promoting agents and shall be moisture insensitive. Packaged stability of each component in original unopened containers stored in temperatures between 32°F and 100°F shall be a minimum of six months. The mixing instructions, cure time and expiration date of the material shall appear on each container.

Material Requirements: The grouting material shall be able to withstand 50 cycles of freeze thaw (10% NaCl) with a maximum loss of 4%.

Steel reinforcement bars shall comply with the requirements of Section 4.14, herein this Addendum.

# 7.57DGRA.3. Methods.

Equipment - All equipment proposed for use shall be as approved by the Engineer prior to actually performing the work.

# 1. Drilling and Grouting Reinforcing Bars -

- a. All holes shall be drilled by means of a rotary impact drill. If reinforcing steel is encountered, the reinforcing steel shall be cut and removed by means of a core drill. The remainder of the drilling shall be done with the rotary impact drill.
- b. Drilling with a lubricant will not be permitted. Water is not considered a lubricant. Drilling methods shall not cause spalling or other damage to concrete. Concrete spalled or otherwise damaged by the Contractor's operations shall be repaired in a manner satisfactory to the Engineer. Such repair shall be done at the expense of the Contractor.
- c. Holes shall be surface dry and shall have had all foreign and loose material removed immediately prior to grout placement.
- d. Grout shall be mixed and placed in strict accordance with the manufacturer's instructions, unless modified here or elsewhere in the contract documents. No grout shall be placed at a temperature below that recommended by the grout manufacturer.
- e. Prior to reinforcing bar placement in the grouted hole, all material which might interfere with the bond between the reinforcing bar and the grout shall have been removed. This includes, but is not limited to: moisture, grease, dirt, mill scale, and rust. Rust which cannot be removed even by vigorous scrubbing with a wire brush is considered firmly bonded and may remain. The hole diameter shall be in accordance with the grout manufacturer's recommendation. The reinforcing bars shall be inserted full depth into the hole and shall be manipulated to ensure complete coverage by the grout. After insertion of the reinforcing bar, all excess grout shall be struck-off flush with the concrete face. Should the grout fail to fill the hole after bar insertion, additional grout shall be added to the hole to allow a flush strike-off.

f. If the reinforcing bar is inserted in a hole with an axis predominantly horizontal to the ground surface, care shall be taken to prevent grout from running down the face of the concrete. These precautions shall be done in a manner satisfactory to the Engineer.

# 7.57DGRA.4. Measurement.

Measurement will be taken as the number of linear foot of holes into which grouted reinforcing bar have been satisfactorily inserted, measured to the nearest tenth of a foot, as shown on the plans or directed by the Engineer.

# 7.57DGRA.5. Price to Cover.

The unit price bid per linear feet shall include the cost of all labor, materials, equipment, insurance, and incidentals necessary to complete the work, and shall include, but not limited to, the cost of drilling and grout. Payment will not be made for holes which do not contain both grout and reinforcing bar in accordance with the plans, the specifications, and the directions of the Engineer.

Steel reinforcing bars shall be paid for under Item No. 4.14.

Payment will be made under:

Item No. Item Pay Unit

7.57 DGRA DRILL AND GROUT REINFORCEMENT BARS L.F.

# SECTION 8.15 CA CAST IRON PIPE , CLASS 50

8.15 CA.1. <u>Intent</u>. This section describes the construction of cast iron pipe connections between basins, inlets, sewers or manholes, and dry wells.

# 8.15 CA.2. Description.

- (A) Cast iron pipe connections shall be constructed as shown on the drawings and direction of the Engineer.
  - (B) Pipes shall be of the nominal inside diameter shown or specified.
- (C) Dimensions of concrete encasement if required shall be as shown on the plans and as directed by the Engineer.

# 8.15 CA.3. Materials.

- (A) Cast Iron Pipe shall be of the various sizes specified and in compliance with the requirements of the NYC Department of Environmental Protection, Standard Sewer Specifications, dated July 1, 2014, Section 21.03.
- (B) Broken Stone if required, shall be hard, roughly cubical in shape, unweathered stone uniformly graded from 1/4" to 3/4" in diameter, and shall conform to commercial 1/4" to 3/4" stone.
- (C) Concrete if required shall comply with the requirements of Section 3.05 of NYCDOT Highway Specifications.; Class B-32; Type IIA Portland cement; Type 1A sand, and Type 1, Grade B, or Type 2, Size No. 57 coarse aggregate.
- (D) Mortar for joints if required, shall comply with the requirements of Section 3.07 of NYCDOT Highway Specifications., Type 1, Mortar, except that the proportions shall be one (1) part of cement to one and one-half (1-1/2) parts of sand and that the ingredients may be mixed by hand.

# 8.15 CA.4. Methods.

# (A) Excavation

Excavation for construction of pipe connections, on a nine (9) inch thick broken stone base, or encased in concrete where specified, shall be made to the widths and depths required in accordance with the Standard Sewers Specifications of the NYC Department of Environmental Protection. No pipe, or the broken stone therefore, or concrete for pipe encasement, shall be laid or placed until the subgrade of the trench shall have been tested and found correct.

## (B) Bedding

Unless otherwise directed, the Cast Iron Pipe Connection shall be laid on a nine (9) inch thick compacted layer of Broken Stone. The nine (9) inch thick layer of Broken Stone shall be placed on the subgrade of the trench for its full width. The subgrade must be prepared to the proper grade so that the cast iron pipe may be placed on the broken stone base accurately to line and grade in agreement with the plans, specifications and as directed by the Engineer. Broken Stone shall also be placed around the pipe to a depth of one-half (1/2) the outer

diameter of the pipe and for the full width of the trench. The rest of the trench shall be backfilled and compacted as specified and directed by the Engineer.

(C) (No Text)

# (D) Laying

The pipe shall be laid with male ends toward the outlet. All pipes shall be laid true to line and grade, tightly fitted together and matched so that when laid in the work they will form a drain with a smooth and uniform invert. Unless a shorter length of pipe is required or otherwise permitted, not less than twenty-four (24) feet of piping shall be laid in one operation and the trench for each basin connection shall be fully excavated for its entire length before any pipes are laid therein.

During the progress of the work the interior of the connections shall be cleared of all foreign matter and the exposed ends of pipe shall be provided with approved temporary covers fitted to the pipe so as to exclude such materials. Unconnected dead ends of pipe shall be closed with approved tile or precast concrete plugs or with hand tightening (wing nut type) expandable plugs as manufactured by O.R.H.A. Industries or Jones Manufacturing Co., or approved equal, so as to provide a watertight seal. The threads are to be greased prior to tightening to ensure a proper seal without stripping.

# (E) Joints

All joints for Cast Iron Pipe shall be in compliance with the requirements of the NYC Department of Environmental Protection, Standard Sewer Specifications, dated July 1, 2014, Section 21.06.5, as shown on drawings and as directed by the Engineer.

# (F) Wyes and Tees

The Contractor shall provide cast iron pipe Wye or Tee connections as required by the field conditions and as directed by the Engineer.

(G) Drainage inlets shall be installed as shown on the plans and in accordance with manufacturer's instructions.

Clear interior of installed piping and structures of dirt and other superfluous material as work progresses. Maintain swab or drag in piping and pull past each joint as it is completed. Place plug in ends of uncompleted pipe at end of each day or when work stops.

After installing drainage course on top of piping, test drain piping with water to ensure free flow before backfilling. Remove obstructions, replace damaged components, and repeat test until results are satisfactory and approved by the Engineer.

# (H) <u>Damaged Pipe</u>

Pipe damaged from handling or any cause whatsoever, whether in or out of the trench, shall be replaced and removed from the site of the work by and at the sole expense of the Contractor.

# (I) Field Cutting

Cast iron pipe shall be cut only by means of abrasive saws, hack saws, wheel type cutters, milling type cutters or as approved by the Engineer. The use of "squeeze" type pipe cutters and cutting torches will not be permitted. The use of diamond points and dog chisels will not be permitted. The outside of the cut end shall be beveled about one-quarter (1/4) inch at an angle of about thirty (30) degrees all around the pipe, with a coarse file or a portable grinder.

# (J) <u>Fitting Into Reinforced Concrete Structures</u>

Pipe connections shall not enter reinforced concrete structures less than twelve (12) inches from the top or bottom of the structure. The ends of pipes which enter the reinforced concrete structure shall be neatly cut to fit the inner face of the structure. When directed, such cutting shall be done before the pipes are built in.

Wherever the proposed connection is to connect with an existing structure in which there is a branch pipe which is damaged or of unsuitable size or in improper position, such pipe shall be removed and be replaced with a pipe of suitable size or be reset in the proper position.

# (K) Backfilling

Immediately after the Engineer has inspected and approved the pipe laid, the trench shall be backfilled.

- 8.15 CA.5. <u>Measurement</u>. The quantity of Cast Iron Pipe Connections to be measured for payment shall be the number of linear feet of pipe of each size, furnished and incorporated in the work, complete, measured in place along its axis between the inner faces of the structures or pipe connected, subject to adjustment in accordance with Section 1.06.4 of NYCDOT Highway Specifications.
- 8.15 CA.6. Prices to Cover. The contract price per linear foot for each size Cast Iron Pipe Connections shall cover the cost of all labor, materials and equipment required to furnish and incorporate in the work, complete, in place, all cast iron pipe required including excavation of all materials of whatever nature encountered, including ledge rock (except where there is a separate contract price for Rock Excavation), broken stone base, joint materials, special pipes where required, inlets, cleanouts, bulkheads, temporary cover, trimming, fitting and building the pipe into concrete or masonry, connections to sewers, sheeting, bracing, backfilling, and all other items necessary to complete this work and perform all work incidental thereto, in accordance with the plans and specifications, and as directed by the Engineer.

Payment will be made under:

Item No. Ite

Item

Pay Unit

8.15 CA

4" CAST IRON PIPE, CLASS 50

L.F.

# SECTION 8.52 FP STEEL FOUNDATION PLATE

8.52 FP.01 INTENT.

This section describes the furnishing and installation of the Foundation Plate.

8.52 FP.02 DESCRIPTION.

The Steel Foundation Plate shall be embedded in the poured concrete footing to the nominal dimensions as indicated on the contract drawings and specifications.

8.52 FP.03 MATERIAL.

Steel Foundation Plates shall comply with the requirements of the NYC Department of Transportation (DOT) Standard Highway Specifications **Section 2.35**, **Structural Steel** and shall be galvanized in accordance with **Section 2.34**.

8.52 FP.04 SUBMITTALS.

Shop drawings of each steel plate showing bolt locations shall be provided by the Contractor in accordance with the requirements of **Subsection 1.06.13** of the NYCDOT Standard Highway Specifications, for review and approval prior to fabrication.

## 8.52 FP.05 MEASUREMENT.

Payment will be based on the computed weight of metal as shown on the approved shop drawings, and shall include, but not be limited to, permanent bolts and welds in the structure as erected.

Not to be included in the measurement is the weight of all erection materials including but not limited to bolts, pilot and driving nuts, temporary protective coatings, and all boxes, crates or other containers used for packing, together with sills, struts, and rods used for supporting members during transportation.

The weight of all required bolt heads, nuts and washers will be estimated, making no allowance for waste, and included in the weight for which payment will be made. The mass of all required welds will be estimated and included in the mass for which payment will be made.

# 8.52 FP.06 PRICE TO COVER.

The contract price per pound shall cover the cost of all labor, materials, equipment, insurance, and incidentals required to furnish and install steel plates complete in place in full compliance with the contract drawings, the specifications and direction of the Engineer.

Payment will be made under:

Item No. Item Pay Unit

8.52 FP STEEL FOUNDATION PLATE LBS.

# SECTION 8.52 PT PAVING TRAY

#### 8.52 PT.01 INTENT.

This section describes the furnishing of the ground level paving tray.

#### 8.52 PT.02 DESCRIPTION.

Fabricated steel plate frame, angle and flat textured cover plate assembly, configured and to nominal dimensions as indicated on the contract drawings and specifications.

# 8.52 PT.03 SUBMITTALS.

All submittals shall be provided by the contractor in accordance with the requirements of **Subsection 1.06.13** of the NYCDOT Standard Highway Specifications.

## A. Shop Drawings:

Erection and fabrication drawings for all totem components and accessories. Show plans and elevations at not less than 1/4 inch to 1'-0" scale, and details at not less than 1-1/2 inch to 1'-0" scale.

# B. Product Data:

Manufacturer's printed specifications and installation instructions for each type of metal framing and accessory, including data required to show compliance with the Drawings and Specifications.

#### 8.52 PT.04 MATERIALS.

# A. Steel plate & Side Brackets:

- a. Material & Finish: Grade 304 Stainless Steel, Mill finish.
- b. Thickness: 1/4"
- c. Side Brackets: As required, to be agreed with the Engineer prior to fabrication
  - 1. Edges: All edges to be polished and rounded off
  - 2. Joints: Plate sections to be butt jointed
  - 3. Installed level: To be aligned flush with poured concrete sidewalk

## B. Cover Plate:

- a. Material & Finish: Grade 304 Stainless Steel, Textured 'Durbar' plate.
- b. Thickness: 1/4 "
- c. Edges: All edges to be polished and rounded off
- d. Finished installed level: To be aligned flush with poured concrete sidewalk
- e. Mounting Screws:
  - Exposed To Sidewalk: To be stainless steel with tamper proof torx' head or approved equivalent
  - 2. Beneath Sidewalk: To be stainless steel socket ead

## C. Temporary Cover Plate Mounting Brackets:

- a. Material and Finish: Grade 304 Stainless Steel with mill finish
- b. Nominal Thickness: As required by Contractor to safely support imposed sidewalk live loads
- c. Bolt Fixings: To be stainless steel, sized and configured to support imposed sidewalk live loads.

### 8.52 PT.05 METHOD.

#### A. Fabrication:

- a. Plates cut and seam welded directly to each other
- b. Side brackets spot welded directly to plates.
- c. Provide all necessary Jigs for placement of paving trays relative to Totem foundation plates, provide a minimum of 6 jigs per Totem type.

## 8.52 PT.06 MEASUREMENT.

The quantity to be measured for payment shall be the number of new paving trays, of each size and type listed below, furnished and installed to the satisfaction of the Engineer.

Туре	Item	Length	Width
A	Paving Tray (Pathway Totem) Paving	1'-7 ¼"	8 ½"
B	Tray (Area Totem)	2'-11 ¼"	8 ½"
C	Paving Tray (Neighborhood Totem)	4'-3 ¼"	8 ½"

## 8.52 PT.07 PRICES TO COVER.

The contract price bid for each size and type of paving trays shall be a unit price per each and shall cover the cost of all labor, materials, equipment, jigs, inspections, insurance, and incidentals necessary to complete the work of furnishing and installing each type of paving tray as shown on the contract drawings, as specified and as directed by the Engineer.

## Payment will be made under:

Item No.	Item	Pay Unit
8.52 PT-A 8.52 PT-B 8.52 PT-C	PAVING TRAY (PATHWAY TOTEM) PAVING TRAY (AREA TOTEM) PAVING TRAY (NEIGHBOURHOOD TOTEM)	EACH EACH EACH

# SECTION GI-PLZ009Q BIOINFILTRATION AREA

## GI-PLZ009Q.1. INTENT.

This section describes the construction of a bioinfiltration area as shown on the Contract Drawings which shall be done in accordance with the following items as per their corresponding Green Infrastructure (GI) Sections that follow this Section GI-PLZ009Q.

A.	Concrete Apron	Section GI-2.03
B.	Precast Porous Concrete	Section GI-2.04
C.	Stone Strip Bed	Section GI-2.05
D.	L-Shaped Edging	Section GI-2.06
E.	Open Graded Stone Base	Section GI-2.07
F.	Geotextile Fabric	Section GI-2.09
G.	Engineered Soil	Section GI-2.13
H.	Mulch	Section GI-2.14
I.	Stone Gabion	Section GI-2.17
J.	Earth Excavation	Section GI-4.02
K.	Temporary Fencing	Section GI-5.14
L.	Sawcutting Pavement	Section GI-5.21
M.	Sleeve for Utility Crossings	Section GI-5.35

#### GI-PLZ009Q.2. PAYMENT.

The Engineer may make partial payments for work done hereunder, in his discretion, based upon the approved breakdown of the lump sum price bid, which is provided for elsewhere in the contract. The total payment, hereunder, including that on the Final Certificate, shall not exceed the lump sum price bid.

# GI-PLZ009Q.3. PRICE TO COVER.

The lump sum price bid shall cover the cost of furnishing all labor, materials, equipment, insurance, and incidentals necessary for construction of the bioinfiltration area; all in accordance with the Contract Drawings, the specifications and the directions of the Engineer.

This work shall include, but not be limited to, the following:

- A. Supply of component materials for bioinfiltration area from approved off-site sources.
- B. Preparation of bioinfilitration soil media
- C. Installation of bioinfiltration area components, including drainage layers and soil media.
- D. Installation, placement, spreading and fine grading of planting soils and mulch.

# Payment will be made under:

Item No.	Item	Pay Unit
GI-PLZ009Q	BIOINFILTRATION AREA	L.S.

# SECTION GI-2.03 (NOT A SEPARATE PAY ITEM) CONCRETE APRON

#### GI-2.03.1. INTENT.

This section describes concrete aprons. The Contractor shall refer to the Contract Drawings to construct concrete aprons of the types shown on the Standards for Green Infrastructure.

#### GI-2.03.2. KIND.

Concrete aprons shall be either precast concrete or cast-in-place.

## GI-2.03.3. MATERIALS.

- A. All materials as required shall comply with the requirements of the NYC Department of Transportation (DOT) Standard Highway Specifications, **Subsection 4.05.3**., unless otherwise specified herein.
- B. For pre-cast concrete aprons, the concrete shall have a design mix for 5000 psi at 28-days (minimum 28-day compressive strength of 4000 psi). The maximum acceptable average freeze/thaw loss of five-block samples, subjected to 25 freeze/thaw cycles in a 10% NaCl solution, shall not exceed 10.0%.
- C. For cast-in-place concrete aprons, the concrete shall comply with the requirements of the NYC DOT Standard Highway Specifications, **Section 3.05**, Class B-32, Type IIA. Cement shall be Type II Portland. Coarse aggregated shall be broken stone or gravel and comply with the requirements of the NYC DOT Standard Highway Specifications, **Section 2.02**, Type 1, Grade B, or Type 2, Size No. 57. An air-entraining agent shall be added at the time concrete ingredients are mixed with water.
- D. Welded wire mesh reinforcement shall be as shown on the Standards for Green Infrastructure drawings.
- E. Unless otherwise specified grout shall be Cement Grout composed of neat cement and water.

#### GI-2.03.4. CONSTRUCTION METHODS.

- A. All equipment and methods of construction shall comply with the requirements of the NYC DOT Standard Highway Specifications, **Subsections 4.05.4.** and **4.05.5.** for reinforced concrete pavement, with the following modifications and additions:
  - (1) For installations in existing pavement, the Contractor shall be required to first full-depth saw cut and remove the pavement to the dimensions of the aprons as shown on the Contract Drawings and directed by the Engineer. If sawcutting is not sufficient to meet the necessary grades for curbs and or proper drainage, the Contractor shall excavate the necessary pavement to achieve adequate transition to the inlet. The Contractor shall then fill or backfill the excavated area, under Item 4.11 CA, to insure that the concrete apron will be placed to its proper elevation.

The earth subgrade, immediately before fill or backfill material is placed on it, shall be compacted to a minimum of 95 percent of Standard Proctor Maximum Density, smooth, parallel to and at the required depth below the finished concrete apron surface and be dampened with water sufficient only to be absorbed by the subgrade.

The subgrade shall not be in a muddy or frozen condition and unsuitable material shall be removed and replaced with acceptable material thoroughly compacted.

Fill or backfill material shall then be wetted to the optimum moisture content, based on a laboratory 5 point Proctor density test, and thoroughly compacted using an approved plate compactor. Compaction of fill or backfill material shall range between 90% and 95% of the Standard Proctor Maximum Density, as directed by the Engineer, depending upon material used. Unsatisfactory subgrade material shall be removed and replaced with acceptable material thoroughly compacted to a minimum of 95% of Standard Proctor Maximum Density. The top surface of the fill or backfill material shall be parallel to the finished grade and at a distance below the grade equal to the specified thickness of concrete.

- (2) Following the placing and spreading of concrete, it shall be struck-off and finished to conform to the cross-sections shown on the Contract Drawings. The final finish shall be made by brooming after the water sheen has disappeared as per the requirements for Bus Stop Pavements.
- (3) If the Contractor chooses to precast the concrete apron, it shall be constructed in accordance with the following requirements:

# **Fabrication**

- Precast concrete aprons shall be fabricated to conform to the shapes and sizes shown on the Contract Drawings.
- b. The Contractor shall provide the Engineer with shop drawings and detailed construction procedures for the aprons. Shop drawings shall show the form dimensions and location and type of reinforcement in the precast concrete aprons. The drawings shall be delivered to the Engineer for approval ten (10) working days before fabrication is to begin. No work shall begin until the drawings are approved.
- c. The tolerance on placement of reinforcing steel in the apron shall be ± 1 inch. The chairs, spacers or other devices used to maintain the reinforcement in position shall have rust resistant tips. The cost of any steel reinforcement required to transport the precast aprons shall be deemed included in the cost of these concrete apron items.
- d. Concrete shall be consolidated in the forms by internal vibrators. Exposed surfaces shall be free from objectionable imperfections, such as honeycomb and air voids as determined by the Engineer. If air voids collect at the interface of the concrete and forms, the forms shall be tapped on the outside with rubber mallets or similar devices to displace the entrapped air.

### Curing

- a. The precast aprons may be cured as per the requirements for cast in place concrete aprons.
- b. If the precast concrete aprons are steam cured, the aprons shall be cured in an enclosure free from outside drafts, and cured in a moist atmosphere. The temperature shall be maintained at a temperature between 125 degrees and 160 degrees F. by the injection of steam for a period of not less than 12 hours. Steam curing shall not begin in less than 2 hours from the time that the last concrete was placed. Care shall be taken by the Contractor to prevent localized "hot spots" caused by the steam lines. A continuous temperature time recorder is required for each enclosure. The temperature of the curing atmosphere for any method shall not be increased or decreased at a greater rate than 40 degrees F. per hour.

#### Repair

a. Where approved by the Engineer, occasional imperfections in manufacture or those caused by mishandling may be repaired. The repairs shall be properly finished and cured. The color of the repaired area shall match as closely as possible with the rest of the apron color. Repairs may be made with a mixture of sand and cement, and shall be made to the satisfaction of the Engineer.

- B. Apron dimensions shall be as required in the contract documents. Dimensions shall not vary by more than 1/4 inch from those specified. Aprons shall be sound and free from cracks or other defects that would interfere with their proper placement or performance.
- C. Basis of Acceptance The precast apron shall be accepted at the job site based on the following:
  - (1) The manufacturer's name must appear on the N.Y.S. Department of Transportation's Approved List of "Precast Concrete Manufacturers Approved for QC/QA Production" for either Product Group 1, 2, or 4.
  - (2) A manufacturer's certification.
  - (3) An acceptable product evaluation made by the Engineer.
- D. Prior to installation, the subgrade must be compacted and carefully graded such that the concrete apron slab will be seated flush on the subgrade, at the proper elevation and slope as shown on the Contract Drawings.
- E. Precast concrete apron slabs shall be set in place using a non-shrink grout conforming to the requirements of **Section 3.06** in the NYCDOT Standard Highway Specifications.

# SECTION GI-2.04 (NOT A SEPARATE PAY ITEM) PRECAST POROUS CONCRETE

## GI-2.04.1. <u>DESCRIPTION</u>.

Under this Section, the Contractor shall be required to furnish and install a Precast Porous Concrete Gutter system adjacent to the curb of the Bioinfiltration area. Each Precast Porous Concrete system shall include, but not be limited to: 5" thick modular precast porous concrete paving slabs; edge restraints; an un-compacted/screed crushed stone leveling (base) layer; and either a compacted broken stone storage reservoir (subbase) course wrapped in geotextile over a prepared subgrade in the Gutter system or an Open-Graded Stone Base wrapped in geotextile in the Walkway system; all in accordance with the Contract Drawings, the specifications and directions of the Engineer.

# GI-2.04.2. MATERIALS.

## A. PRECAST POROUS CONCRETE PAVING SLAB

(1) Manufacturer: Stormcrete™ Precast Porous Concrete Paving Slab System manufacturers shall include, but not be limited to, the following:

Porous Technologies, LLC 8 Blue Moon Drive North Yarmouth, ME 04097 1-877-271-9055

Faddis Concrete Products 1805 Horseshoe Pike Honey Brook, PA 19344 610-269-4685 Office

Pre-cast Concrete Products of Maine, Inc. 139 Main Street P.O. Box 307 Topsham, ME 04086 800-696-8265

Camp Precast Concrete, Inc 78 Precast Road Milton, VT 05468

- (2) Each precast porous concrete paving slab shall have permanent lifting points imbedded in the top of the slabs for ease of slab installation, maintenance, removal, and reinstallation; and, shall be reinforced with epoxy coated steel bars as per the Manufacturer's recommendations.
- (3) All precast porous concrete paving slabs shall be 5 inches thick.
- (4) Average core compressive strength of at least 3,000 psi at 28 days per ASTM C42/C42M; and shall conform to ACI 522R-06.
- (5) Infiltration rate in accordance with ASTM C 1701/C 1701M; and shall conform to ACI 522R-06.
- (6) Concrete average unit weight shall be 125 lb/cf (+/- 5%) conforming to ACI 522R-06.

- (7) Slab units shall include a minimum of 2 lifting permanent lifting points for the 1.5 ft. x 5 ft. units and a minimum of 4 lifting permanent lifting points for the 4 ft. x 5 ft. units.
- (8) Precast porous concrete slabs shall be cured by the manufacturer's approved methods. Slabs shall not be shipped until the porous concrete has achieved 85% of the minimum compressive strength.

#### B. EDGE RESTRAINT

- (1) Edge restraints installed at exterior sides of precast porous concrete pavers shall be as follows:
  - a. Expansion Joint Material and either of the following to be furnished and installed under other concrete items: Precast Concrete, Cut Stone or Cast-in-Place Concrete, as shown on the Contract Drawings.
  - b. Manufacturer: Expansion Joint Material shall be from a manufacturer listed in the current New York State Department of Transportation's approved list of Premoulded Resilient Joint Fillers. Precast Concrete, Cut Stone and Cast-in-Place edge restraint shall comply with the requirements of other contract items.
  - c. Material Standards for Expansion Joint Material shall comply with the requirements of Section 2.15, Type IV, in the New York City, Department of Transportation, Standard Highway Specification, as currently amended, and shall be either one-quarter (1/4") inch or one-half (1/2") inch thick, at the Contractor's option.

# C. BROKEN STONE RESERVOIR (SUBBASE) FOR GUTTER SYSTEMS AND LEVELING COURSE FOR BOTH THE GUTTER SYSTEM AND WALKWAY SYSTEM

- (1) Use of screened rounded gravel is prohibited.
- (2) All broken stone material acceptable under this section shall be sound, hard, durable, unweathered stone freshly broken. All broken stone shall be double-washed and clean and free of all fines and debris, not contaminated with clay, and free from any organic or other deleterious material.
- (3) Broken stone reservoir (subbase) for gutter systems shall be 3/4" (nominal) size conforming to ASTM C 33, Size Number 6 in TABLE 2 Grading Requirements for Coarse Aggregates. Thickness of compacted reservoir course shall be as shown on the Contract Drawings or as otherwise directed by the Engineer.
- (4) Un-compacted/screed broken stone for leveling course shall be 3/8" (nominal) size conforming to ASTM C 33, Size Number 8 in TABLE 2 Grading Requirements for Coarse Aggregates. Thickness of un-compacted/ screed leveling course layer shall be three (3") inches, unless otherwise shown on the Contract Drawings.
- (5) Product Substitutions: Substitutions may be allowed for gradations of broken stone storage reservoir (subbase) and leveling course. Compacted broken stone for storage reservoir (subbase) shall have a minimum porosity of 0.40. All substitutions shall be as approved by the Engineer.

# D. OPEN-GRADED STONE (SUBBASE) FOR WALKWAY SYSTEMS

(1) Open-graded stone (Subbase) shall be furnished and place under Item No. GI-2.07 and wrapped in geotextile fabric under Item No. GI-2.09.

## E. GEOTEXTILE FABRIC FOR THE GUTTER SYSTEMS

(1) Geotextile Fabric used to wrap the broken stone reservoir course in gutter systems shall meet the requirements of Section GI-2.09.

#### GI-2.04.3. SUBMITTALS.

- A. The Contractor shall furnish: Shop drawings, in accordance with the requirements of Subsection 1.06.13. of the NYC Department of Transportation, Standard Highway Specifications, showing the installation plan layout of each full and partial precast porous concrete paving slab complete with lifting points in surface, edge restraint detail(s), and geotextile manufacturer specification sheets, indicate materials outside perimeter and profiles/sections.
- B. Test results performed by an independent testing laboratory of the following:
  - (1) Particle-size analysis in accordance with ASTM C 136 for the broken stone storage reservoir (subbase) and broken stone leveling course (base) with source(s) of supply noted.
  - (2) Infiltration rate in accordance with ASTM C 1701/C 1701M and bulk density for the precast porous concrete paving slabs conforming to ACI 522R-06.
  - (3) Average Core Compressive strength in accordance with ASTM C42/C42M of cores obtained from the precast concrete paving slabs; conforming to ACI 522R-06.

# GI-2.04.4. METHOD OF CONSTRUCTION.

#### A. CONTRACTOR'S QUALITY CONTROL PLAN

- (1) A Quality Control Plan shall be furnished by the Contractor at least five (5) working days prior to installing the precast porous concrete paving slab system for the Engineer's approval before commencing work. The plan shall include, but not be limited to, horizontal and vertical layout of the work, installation of edge restraint, fine grading of subgrades, installing geotextile, placing and compacting broken stone reservoir course (subbase) or open graded stone (Subbase) as shown on the Contract Drawings, placing broken stone leveling course (base), and placing precast porous concrete paving slabs.
- (2) The installation contractor/subcontractor shall have documented experience with the successful installation of precast porous concrete paving slabs similar in complexity of this project.
- (3) The installation contractor/subcontractor shall use adequate forces to perform this work and shall indicate what equipment and work force he will be using.
- (4) Precast porous concrete paving slabs shall be visually inspected for completeness, texture and consistency with installation drawings. A small amount of "skinning", not to exceed 5% of the top or bottom of slab surface areas, will be allowed.
- (5) A review of the Contractor's installation plan will be done in a pre-construction meeting with the manufacturer's representatives, paving slab installation contractor/subcontractor, the Engineer, and the project's Design Engineer.

# B. GENERAL

Before paving slabs are installed, the Contractor shall ensure that all materials and preparation for subbase and edge restraints are acceptable to the installer and manufacturer of precast pervious concrete paving slabs. Preparation of subbase materials shall include proper compaction procedures, placement of geotextile fabric as shown on the Contract Drawings, conditions of subgrade soils, and any other potential obstructions to a satisfactory installation as

specified herein.

## C. WEATHER CONSIDERATIONS

- (1) Do not place and/or compact broken stone subbase in rain or snow, or on saturated or frozen subgrade.
- (2) Do not place and/or screed broken stone base in rain or snow, or on saturated or frozen subbase.
- (3) Do not install precast porous concrete slabs in rain or snow, or on saturated or frozen base.

# D. DELIVERY, HANDLING AND STORAGE OF PRECAST POROUS CONCRETE PAVING SLABS

- (1) Coordinate delivery to not interfere with other construction and avoid delays.
- (2) Slabs shall be offloaded two at-a-time by forklift operated by a trained and experienced operator. Forklift must be equipped with 6-ft. long forks to safely offload slabs. Slabs delivered on pallets can be offloaded in its entirety.
- (3) Verify safe load capacity of forklift in accordance with Occupational Safety & Health Administration (OSHA) recommended practices. Only use forklifts with adequate safe load capacity.
- (4) Store slabs on level ground and propped with 4-in. by 4-in., minimum, timbers placed parallel to one another located directly beneath imbedded lifting points. Place timbers between each slab.
- (5) Slabs shall be stored in stacks not more than 6 slabs high.
- (6) Store slabs such that they are kept free from mud, dirt, grass cuttings, accumulation of foliage and debris.

# E. STOCKPILING AND SAMPLING OF BROKEN STONE RESERVOIR AND LEVELING COURSE AGGREGATE

All material shall be stockpiled, unless otherwise directed. Stockpile construction requirements, sampling, testing and acceptance/rejection procedures shall be as stipulated in the appropriate New York State Department of Transportation publication in affect at the time of advertisement.

No material shall be added to a stockpile after the stockpile has been sampled for approval. Only material from approved stockpiles shall be placed on the subgrade for this section. The presence of any oversize particles in the stockpile will be cause for rejection of the entire stockpile. No material shall be removed for use from any stockpile until the stockpile has been sampled, tested, and approved in writing, by the Engineer, for placement on the subgrade. It shall be the duty of the Contractor to furnish suitable and approved excavating equipment for such sampling. Approval of a stockpile for placement on the subgrade shall not relieve, in any degree, the full responsibility of the Contractor to furnish, in its compacted position, a subbase course of select granular materials, the final condition of which conforms to all the requirements of the specifications for this section. In the event the Contractor shall have a plant or procedure resulting in subbase course material of uniform quality, at a rate satisfactory to the Engineer, and such that satisfactory samples for tests can be obtained, the requirement for stockpiling may be waived. Prior approval of the Engineer must be obtained and the work must be done in accordance with such conditions as may be imposed in the approval. Such waiver shall remain in force only so long as a satisfactory material is produced.

### F. EXCAVATION AND EARTH SUBGRADE FOR GUTTER INSTALLATIONS

The Contractor shall be required to full depth saw cut the roadway pavement as required to install precast porous concrete pavers within the gutter, as shown on the Contract Drawings. Excavation shall be made to dimensions sufficient to accommodate placement of the crushed stone reservoir course material.

#### G. INFILTRATION SYSTEM SUBGRADE PREPARATION

- (1) Verify that the broken stone reservoir course or open graded stone base, as shown on the Contract Drawings, has been properly placed within the trench and compacted as approved and accepted by the Engineer.
- (2) The subgrade under the broken stone reservoir course shall not be compacted or permanently covered with geotextile, unless otherwise shown on the Contract Drawings or directed by the Engineer.
- (3) Prepared subgrades shall not be subject to construction equipment traffic.
- (4) Where erosion has caused accumulation of sediment or ponding on the subgrade, remove sediment with light equipment and/or manually. Scarify the underlying soils to a minimum depth of 6 inches with a York type rake, or equivalent equipment.
- (5) Restore any subgrade areas damaged by erosion, ponding, or traffic compaction to design line and grades prior to installation of storage reservoir course (layer).

#### H. INSTALLATION

# (1) Acceptance of Site Conditions:

The Contractor shall inspect, accept and document in writing to both the Engineer and the slab installation contractor/subcontractor that site conditions meet specifications for the following prior to installation of concrete paving slabs.

- a. Verify that subgrade is dry and relatively compacted, surface tolerances and elevations conform to Construction Drawings and specified requirements.
- b. Verify location, type, and elevations of edge restraints, utility structures, manholes, and valve boxes.
- c. Do not proceed with installation of precast porous concrete paving system until site conditions are corrected by the Contractor or designated subcontractor.

## (2) General

- a. Any excess thickness of soil placed over the soil subgrade to trap sediment transported by runoff from adjacent construction areas shall be removed before placement of geotextile when shown on the Contract Drawings and the storage reservoir layer.
- b. Keep areas where precast porous concrete paving slabs are to be installed free of sediment during the entire construction period. Geotextiles when shown on the Contract Drawings and storage reservoir broken stone contaminated with sediment shall be removed and replaced with clean materials.
- c. Do not damage drainpipes, underdrains, observation wells, roadway boxes, manholes or any other utilities during installation. Report any damage immediately to the Engineer.

## (3) Geotextile Fabric

- a. Place the geotextile on the prepared subgrade and side slopes for it to wrap around the stone reservoir course, as shown on the Contract Drawings. Also place geotextile conforming to the requirements of Section GI-2.09 to wrap around the broken stone reservoir.
- b. Secure geotextiles in place to prevent shifting, wrinkling or folding during placement of the broken stone reservoir course and the leveling course.
- Overlap geotextile edges a minimum of 12 inches in the direction of drainage flow.

# (4) Broken Stone Reservoir Course in Gutters Systems

- a. Place 3/4" (nominal) size broken stone, conform to ASTM C 33 Size Number 6 over the prepared subgrade and spread and level evenly by raking to a minimum thickness of six (6") inches. Do not disturb prepared subgrade or shift, wrinkle or fold the geotextile fabric and/or impermeable liner when and where place as shown on the Contract Drawings.
- b. The broken stone reservoir course material shall be spread in equal thickness layers. The spreading of any layer of this material shall be done with spreader equipment approved by the Engineer, and to such thickness that the maximum depth of the layer, after compaction, will be 6 inches. Spreading from piles dumped on the roadway will not be permitted. No segregation of large or fine particles will be allowed, but the material, as spread, shall be well graded, with no pockets of fine material. Water shall be added in such amounts as the Engineer may consider necessary to obtain satisfactory compaction.
- c. Compact layers with an approved vibrating plate compactors or impact rammers until there is no visible movement, weaving or deflection in the surface of the broken stone reservoir course.
- d. The surface tolerance of the compacted broken stone reservoir course shall be + 3/4 in. under a 10 ft. straightedge.
- e. Compacted storage reservoir area shall not substantially exceed that which is covered by paving slabs by the end-of-day.
- f. The Contractor shall assume full responsibility for any contamination and/or degradation of any part of this base during construction and shall, at his own expense, remove any and all portions of this base which do not conform to the requirements of these specifications and replace these portions with specified material.
- (5) Leveling Course Layer (Uncompacted/Screed Broken Stone). Prior to placing the leveling course layer, the subbase surface tolerance shall not be more that ±3/8 inch over a 10 ft. straight edge.
  - a. Place and spread ASTM C 33 Size Number 8 broken stone evenly over the screed rails to a thickness of 2 to 3 inches. Level surface of broken stone with screed.
  - b. Do not compact or disturb screed leveling layer.
  - c. The surface tolerance of the screed leveling layer shall be + 1/4 inch under a 10 ft. straightedge.
  - d. Screed leveling layer placed shall not substantially exceed that which is covered by paving slabs by the end-of-day.

#### EDGE RESTRAINT

(1) Edge restraints shall be either the existing pavement surface or required to be furnished and installed under other contract items, as shown on the Contract Drawings.

## J. PAVING SLAB PLACEMENT

(1) Since the uniformity of the leveling (base) layer determines the differential settlement

between precast porous concrete paving slabs, the slab installer shall not be permitted to correct deficiencies in the leveling layer surface with additional stone, raking, compaction or by other similar means. The Contractor shall be required to check and accept the surface of the leveling layer, in writing to Engineer, prior to placing precast porous concrete paving slabs.

- (2) Paving slabs shall only be lifted and placed using swivels and spreader chains. Chains, cables or slings should never be wrapped around the paving slabs for lifting under any circumstances. Swivels shall be securely bolted snug but not over-tightened to avoid damage to the surface.
- (3) Place units hand tight without using metal hammers, pry bars or drift pins. Make horizontal adjustments to placement of laid slabs with wood wedges and levers, and rubber mallets as needed. Joint widths and lines shall be continually straightened as paving proceeds.
- (4) Unless otherwise recommended by the manufacturer of the precast porous concrete paving slabs, provide joints between slabs of 1/4" wide using spacers provided by the manufacturer of the precast porous concrete paving slabs. No joints shall exceed 1/4" in width.
- (5) Joints shall be left open. No stone or sand is to be placed in joints.
- (6) Joint lines shall not deviate more than ±1/2 inch over 50 ft. from string lines.
- (7) Fill gaps at the edges of the paved area with properly-sized end slabs.
- (8) Cut end slabs to be placed along the edge or corners with a masonry saw. Cut units shall be no shorter than 1/4 of a whole slab.
- (9) Keep skid steer and forklift equipment off unrestrained paving slabs.
- (10) After an area is completely paved, set the precast porous concrete slabs into the screed broken stone leveling course layer by trafficking with light rubber-tired equipment.
- (11) Remove and replace any slabs cracked or damaged during installation with new ones. Reset slabs not in conformance with specified installation tolerances
- (12) Check final surface elevations of set slabs for conformance to design drawings. The final surface tolerance from grade elevations shall not deviate more than ± 3/8 inch under a 10 ft. straightedge.
- (13) The surface elevation of set slabs shall be flush with manholes or the top of utility structures.

#### K. PROTECTION

After work in this section is complete, the Contractor shall be responsible for protecting the precast porous paving slab system from damage and/or contamination with mud, dirt, grass cuttings, accumulation of foliage and debris. Use plastic caps to fill permanent lifting points to protect the holes from filling with dirt or debris.

# SECTION GI-2.05 (NOT A SEPARATE PAY ITEM) STONE STRIP BED

#### GI- 2.05.1. INTENT.

This section describes the stone strip bed with and without epoxy bonding. The Contractor shall install the stone strip bed, with and without epoxy coating, of the size, depth and limits as shown in the Contract Drawings and in accordance with the Standards for Green Infrastructure.

#### GI- 2.05.2. MATERIALS.

A. Crushed stone shall conform to the NYCDOT Standard Highway Specification **Section 2.02**, Type 1 - Broken Stone, Grade B, and shall be washed and conform to the following gradation:

## Percentage of Dry Weight

Sieve Size	Passing Designated Sieve Size
2"	100
1.5"	25-50
1"	0-10

B. Epoxy bonding agent shall consist of an approved exterior grade industrial type, clear, non-toxic, UV-stable bonding material.

#### GI-2.05.3. RELATED SECTIONS.

GI-2.06 - L-Shaped Edging

## GI-2.05.4. CONSTRUCTION METHODS.

Stone Strip shall be placed as per Contract Drawings. Then Epoxy Bonding Agent shall be applied to Stone Strip in places where indicated on the Contract Drawings.

Epoxy bonding agent is to be spray on clean and dry stone surfaces to sufficiently bond top layer of stone but at a rate no less than recommended by the manufacturer. Do not install if rain is expected within 12 hours. Do not cover area with plastic. Install when outdoor temperature is 50 degrees or above and will not drop below 50 degrees F. for at least 12 hours. Allow 24 hours to cure. If the temperature is around 50 degrees F. then it may take up to 48 hours to cure.

#### SUBMITTALS:

Prior to the procurement of epoxy bonding agent, the following information and samples are required for review and approval for each source:

- 1. Product Data: Submit product data provided by manufacturer.
- Submit a copy of the MSDS for Epoxy Bonding Agent.

# SECTION GI-2.06 (NOT A SEPARATE PAY ITEM) L-SHAPED EDGING

#### GI-2.06.1. INTENT.

This section describes the landscape L-shaped edging adjacent to the stone strip bed in the bioinfiltration area as shown on Contract Drawings and in accordance with the Standards of Green Infrastructure.

#### GI-2.06.2. KIND.

Edging shall consist of an L-shaped rigid PVC or aluminum edge restraint product, a minimum of six (6) inches high by five (5") inches wide, in up to ten (10') foot lengths. The thickness of the material shall be a minimum of 0.15 inches for PVC or 0.115" for aluminum. Drainage holes flush with the horizontal leg shall be present on both the sides of the L-shaped edging. Nine (9") inch minimum length stakes shall be installed a minimum of every two (2') feet on center. The color of the edging shall be black.

Edging shall be Teco-Edg Specialty Edge Restraint manufactured by Oly Ola Edgings, Inc. in Villa Park, IL; GeoEdge Aluminum Green Building Edging manufactured by Permaloc Corporation in Holland, MI; or an approved equivalent edging. Submit product cut sheets as shop drawings for the Engineer's approval prior to ordering the product.

#### GI-2.06.3. DESCRIPTION.

Edging shall be installed to support and contain the stone strip bed in the bioinfiltration area where required, as shown on Contract Drawings and in accordance with the specifications and the directions of the Engineer.

## GI-2.06.4. CONSTRUCTION METHODS.

Edging shall be installed true to line and grade in accordance with the drawings and as directed by the Engineer. The foot of the "L" of the edging shall face towards the curb, and the top of the "L" shall be at the concrete apron inlet and outlet elevations and in line with top of curb between these locations and at the ends of the bioinfiltration area. The stone strip bed, under Item GI-2.05, shall then be placed on top of the edging as per the Contract Drawings and as directed by the Engineer.

#### GI-2.06.5. RELATED SPECIFICATIONS.

Section GI-2.05 - Stone Strip Bed

# SECTION GI-2.07 (NOT A SEPARATE PAY ITEM) OPEN GRADED STONE BASE

#### GI-2.07.1. INTENT.

This section describes the open graded stone base.

#### GI-2.07.2. KIND.

All materials for this work shall comply with the latest New York State Department of Transportation, Standard Specifications, Coarse Aggregate, **Section 703-02**. The material shall be #5 crushed stone (or larger) that is washed and sorted between 3" and 4".

## Gi-2.07.3. DESCRIPTION.

The thicknesses and locations of the "open-graded stone base" shall be as shown on the Contract drawings and Standards for Green Infrastructure or as determined by field conditions and ordered by the Engineer.

# GI-2.07.4. CONSTRUCTION METHODS.

- A. Prior to the placement of any stone base material, the Contractor shall submit a representative sample of the open graded stone base material to the Engineer for his written approval.
- B. Prior to backfilling with the Open Graded Stone Base material, the subgrade of the bioinfiltration area footprint shall be scarified to ensure no compaction of the subgrade and the sides of the bioinfiltration area excavation shall be prepared by removing any sharp objects which may tear or damage the geotextile fabric, under Item No. GI-2.09, around the sides and top of the open graded stone base as shown on the Contract Drawings and as directed by the Engineer. The Contractor shall be required to anchor the geotextile fabric in place around the sides of the excavation in a manner approved by the Engineer, until the fabric is supported by the open graded stone base. Then after the open graded stone base has been place to the elevation shown on the Contract Drawings, the geotextile shall be overlapped on top of the stone base by at least thirty-six (36") inches. If the geotextile is damaged during installation, the rupture shall be removed and the damaged area shall be covered with a patch of new fabric which will overlap the undamaged fabric at least six (6") inches in all directions. All repaired fabric surface costs will be deemed part of the price bid.
- C. The open graded stone base material shall be placed by gravity with no additional compaction, except for the application of water. Spreading from piles dumped on the roadway or sidewalk will not be permitted. No segregation of large or fine particles will be allowed, but the material, as spread, shall be well graded, with no pockets of fine material. Water shall then be added in such amounts as the Engineer may consider necessary to obtain satisfactory compaction.
- D. The Contractor shall assume full responsibility for any contamination and/or degradation of any part of this base during construction and shall, at his own expense, remove any and all portions of this base which do not conform to the requirements of these specifications and replace these portions with specified material.

# SECTION GI-2.09 (NOT A SEPARATE PAY ITEM) GEOTEXTILE FABRIC

## GI-2.09.1. INTENT.

This section describes geotextile fabric. The Contractor shall furnish and install non-woven geotextile - drainage fabric in accordance with the Standards for Green Infrastructure, and as directed by the Engineer.

#### GI-2.09.2. KIND.

Geotextile fabric shall comply with the requirements specified in **Subsections GI-2.09.4. and GI-2.09.5.**, below.

### GI-2.09.3. SUBMITTALS.

- A. All submittals shall be submitted for review and approval prior to purchase and shall be made in accordance with the requirements of the NYC Department of Transportation, Standard Highway Specifications, General Conditions, **Subsection 1.06.31**.
- B. Samples: The Contractor shall furnish two (2) labeled samples of the geotextiles intended for use in the work for approval and the Engineer's use. The label shall include the manufacturer's product name, the type of fabric, and the weight of grade of the material. Geotextiles used in the work shall conform to the approved samples.
- C. Certified laboratory test results meeting or exceeding the below criteria shall be supplied with the submittal information.

# GI-2.09.4. CHEMICAL AND PHYSICAL REQUIREMENTS.

- A. Drainage application is defined as a soil to geotextile system that allows for long-term, adequate liquid flow normal to the geotextile with limited soil loss across the plane of the geotextile.
- B. Fibers used in the manufacture of drainage geotextiles, and the threads used in joining geotextiles by sewing, shall consist of long-chain, synthetic polymers, composed of at least 95 percent by weight polyolefins, polyesters, or polyamides. They shall be formed into a stable network such that the filaments or yarns retain their dimensional stability relative to each other, including selvages. The geotextile shall have no tears or defects which adversely alter its physical properties. Geotextiles used in drainage applications shall conform to the following properties for Non-Woven Geotextile Drainage:

Property	ASTM Test	Requirements
Structure		Non-Woven
Elongation	ASTM D4595	≥ 50%
Grab	ASTM D4632	700N
Strength		(157 LBS)
(Min.)		
Tear Strength	ASTM D4533	250N
(Min.)		(56 LBS)
Puncture	ASTM D4833	250N
Strength		(56 LBS)
(Min.)	,	
Permittivity	ASTM D4491	0.21 / sec.
(Min.)		
Apparent	ASTM D4751	0.25 mm
Opening		(0.0098 inch)
Size (Max.)		Std. No. 60 sieve

#### GI-2.09.5. BRAND.

A. Geotextiles shall be as manufactured by Advanced Drainage Systems, Inc., Hillard, OH; by Carthage Mills, Cincinnati, OH; by Mirafi, Inc., Charlotte, NC; or other approved manufacturer.

#### GI-2.09.6. CONSTRUCTION METHODS.

- A. Each geotextile roll shall be wrapped with a material that will protect the geotextile, including the ends of the roll, from damage due to shipment, water, sunlight, and contaminants. The protective wrapping shall be maintained during periods of shipment and storage. During storage, geotextile rolls shall be elevated off the ground and adequately covered to protect them from the following: site construction damage, precipitation, extended ultraviolet radiation including sunlight, chemicals that are strong acids or strong bases, and any environmental condition that may damage the physical property values of the geotextile.
- B. Prior to installation of geotextile, the ground shall be prepared by removing stumps and other organic material, along with any large boulders and sharp objects which may tear or damage the fabric. Install geotextile at elevations and alignments as indicated on the drawings or as directed by the Engineer. The drainage geotextile shall be placed loosely with no wrinkles or folds. Care will be taken to place the geotextile in intimate contact with the soil so that no void spaces occur between the geotextile and trench or ground. Where the geotextile is to be installed in a trench, the geotextile shall be overlapped at the top of the trench, twelve (12) inches or the full width of the trench, whichever is less. If the geotextile is damaged during installation, the rupture shall be removed and the damaged area shall be covered with a patch of new fabric which will overlap the undamaged fabric at least six (6) inches in all directions. All repaired fabric surface costs will be deemed part of the price bid.

Overlaying material shall be place within a period of two (2) weeks whether the fabric is subject to damage from sunlight or not.

# SECTION GI-2.13 (NOT A SEPARATE PAY ITEM) ENGINEERED SOIL

## GI-2.13.1. INTENT.

This section describes an engineered soil to be used as the planting medium for the bioinfiltration area. The Contractor shall furnish, amend (if required), place and prepare the Engineered Soil for seeding and/or plant material as shown in the Contract Drawings and in accordance with the Standards For Green Infrastructure and/or as directed by the Engineer.

## GI- 2.13.2. KIND.

Engineered soil shall conform to the following standards:

- 1. Recommended Soil Testing Procedures for The Northeastern United States, 3<sup>rd</sup> Edition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware. Bulletin #493, Revised October 2009 or latest.
- USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0 November 2004.

## GI-2.13.3. SUBMITTALS.

- A. Prior to the procurement and delivery of the Engineered Soil to the site, the material shall be tested. A representative of the Department shall be present when sample are taken from the proposed engineered soil source frequency of testing is one for every 50 C.Y. delivered. The Contractor shall submit to the Engineer for review and approval the following for each source:
  - 1. Proposed material source and vendor.
  - 2. A sample of the proposed material, taken with a representative of the Department, indicating the method of sampling and location of the sample.
  - 3. The Contractor shall submit to the Engineer the name and location of the borrow (source) or stockpile site(s) and the estimated quantity of material available. The Contractor shall provide a notarized letter from the owner(s) of the proposed borrow site and/or stockpile site(s) indicating ownership of the proposed site(s) and a commitment to supply a specified minimum quantity of material for this project. Additionally, the supplier shall provide a certificate of clean fill and/or source materials for topsoil, signed by a NYS licensed PE/RLA or RA. To avoid delays in planting and seeding, the Contractor shall immediately begin to secure and test Engineered Soil at least one month in advance of the material actually being needed on site. This will allow sufficient time to blend the specified soil mix and make all the necessary adjustments in the mixing process.
  - 4. Results of the organic content analyses conducted in accordance with the above referenced standard, Recommended Soil Testing Procedures for The Northeastern United States, 3rdEdition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware. Bulletin #493, Revised October 2009 or latest.
  - 5. Results of the USDA soil texture gradation (sand, silt and clay) analyses and sand sieve analyses, with full reporting of all information in USDA sieve sizes, in accordance with the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0 November 2004.
  - Results of the pH tests conducted in accordance with the above referenced standard, USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0 November 2004.
  - 7. Results of the soluble salts test conducted in accordance with the above referenced standard, Recommended Soil Testing Procedures for The Northeastern United States, 3rdEdition, Northeast Regional Publication, Agricultural Experiment Station, University of

Delaware. Bulletin #493, Revised October 2009 or latest.

- 8. Results of the Nutrient analyses test conducted in accordance with the above referenced standard, Recommended Soil Testing Procedures for The Northeastern United States, 3rdEdition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware. Bulletin #493, Revised October 2009 or latest.
- 9. Results of the Inorganic nitrogen and total Kjedahl nitrogen tests conducted in accordance with the above referenced standard, USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0 November 2004.
- 10. Results of the acid-producing (iron sulfide) test conducted in accordance with the methodologies utilized by the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0 November 2004.

NOTE: Due to the agricultural nature of some of the Quality Control testing the Contractor is notified that both Rutgers University and Cornell University can perform nearly all agricultural testing required, one exception may be the acid-producing test. Turn around times for results may vary from standard soils testing. However, all agricultural testing procedures must be performed in accordance with the above referenced standards and the USDA Soil Survey Laboratory Methods Manual (No. 42, November 2004) and the Recommended Soil Testing Procedures for The Northeastern United States, 3rd Edition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware. Bulletin #493, Revised October 2009 or latest. If another lab is proposed, the Contractor can submit written certification from the proposed lab certifying that the lab will utilize the same methodologies for soil testing as outlined in these specifications.

- B. As delivery of Engineered Soil to the site progresses, the following additional testing shall be conducted by the Contractor on the Engineered Soil brought to the site. Frequency of testing is one for every 50 CY delivered. Results of tests shall be submitted to Engineer for review and approval.
  - (1) Organic Content Testing in accordance with the Recommended Soil Testing Procedures for The Northeastern United States, 3rdEdition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware. Bulletin #493, Revised October 2009 or latest).
  - (2) pH testing in accordance with the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0, November 2004.
  - (3) Soluble Salts testing in accordance with the Recommended Soil Testing Procedures for The Northeastern United States, 3rd Edition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware, Bulletin #493, Revised October 2009 or latest.
  - (4) Results of the Nutrient analyses test conducted in accordance with the Recommended Soil Testing Procedures for The Northeastern United States, 3rd Edition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware, Bulletin #493, Revised October 2009 or latest.
  - (5) Results of the Inorganic nitrogen and total Kjeldahl nitrogen tests conducted in accordance with the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0, November 2004.
  - (6) Results of the USDA soil texture gradation (sand, silt and clay) analyses and sand sieve analyses, with full reporting of all information in USDA sieve sizes, in accordance with the with the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0, November 2004.
  - (7) Results of the acid-producing (iron sulfide) test conducted in accordance with the methodologies utilized by the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0; November 2004.

- C. The Contractor shall submit to Engineer the materials and procedures for amending the engineered soil, if appropriate. Amendment of soil is only permitted to meet the nutrient and organic requirements of the specifications. Nutrient modifications are only permitted through the use of the approved contract specified organic fertilizer and the organic amendment permitted is leaf compost, no other organic amendment is permitted.
- D. The Contractor shall submit quantity records on a weekly basis to Engineer.
- E. Material failing the frequency testing shall not be incorporated into the work and shall be removed from the site at the Contractor's expense.

# GI-2.13.4. CHEMICAL AND PHYSICAL REQUIREMENTS.

- A. Engineered Soil is an integral part of the Green Infrastructure System; as such, certification of its material properties is subject to the testing protocols of the Contractor's Quality Control (QA) plan and quality assurance testing by DDC's Quality Assurance and Construction Safety (QACS) Bureau. The QC requirements relative to Engineered Soil are detailed below. The Contractor shall strictly comply with all requirements of its QA plan. Sufficient lead time is required to develop an appropriate plan for mixing methodologies and ratios that will provide reliable results to meet the parameters listed below.
- B. Engineered Soil shall be a loamy sand (70-85% sand) as classified by the U.S. Department of Agriculture (USDA). Based on test results, a determination will be made to ensure that the sand fraction analysis results are capable of supporting proposed vegetation. Engineered Soil shall be free of refuse, hard clods, woody vegetation, stiff clay, construction debris (of any kind), boulders, stones larger than 1-1/2 inches, chemicals, or other deleterious material toxic to any vegetation used on this project.
- C. Engineered Soil shall have a minimum organic content of 3.0 percent and a maximum of 6.0 percent. If the source soil requires amendment to meet the Engineered Soil organic content requirement, leaf compost will be the only approved admixture. No soil mixing shall be permitted during or after Engineered Soil placement. Engineered Soil shall be tested for compliance with Contract specifications and submitted for approval prior to delivery to the site.
- D. The organic content of soils shall be determined by a laboratory using the loss on ignition method as described in the Recommended Soil Testing Procedures for The Northeastern United States, 3rd Edition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware. Bulletin #493, Revised October 2009 or latest.
- E. The gradation of Engineered Soil shall be determined by a laboratory using the methods of the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0, November 2004. The gradation of the Engineered Soil as determined by USDA classifications shall be within the following ranges:

Ranges:

0-08% gravel 70-85% sand

of which:

55-75% very coarse to medium sand

10-25% fine to very fine sand

10-15% silt 5- 15% clay

Classification/sieve size:

gravel
sand
silt
clay

In addition to the above gradation the Contractor shall provide the percentage of particle sizes corresponding to U.S.D.A. classifications:

Very coarse sand (2.0 mm to 1.0 mm)
Coarse sand (1.0 to 0.5 mm)
Medium sand (0.5 mm to 0.25 mm)
Fine sand (0.25 to 0.1 mm)
Very fine sand (0.1 to 0.05 mm)
Silt (0.05 to 0.002 mm) Clay (<0.002 mm)

- F. The pH value of Engineered Soil shall be (5 7.0) as determined by an approved laboratory using soil pH (Water (1:1. V:V)) procedures as described in the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0, November 2004. Amendment of soil to lower pH to meet Contract requirements is not permitted.
- G. The soluble salt value of the Engineered Soil shall be (0-.4mmhos cm-1) as determined by an approved laboratory using the soluble salt (1:2(V:V)) procedures as described in the Recommended Soil Testing Procedures for The Northeastern United States, 3rd Edition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware, Bulletin #493, Revised October 2009 or latest.
- H. The value for Kjeldahl Nitrogen shall be as outlined below as determined by an approved laboratory using the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4, November 2004.

Kjeldahl N Acceptable range is 0.06% to 0.25% (with nitrate (NO-3) form of nitrogen not to exceed 20 ppm)

I. The value for Macro (P, K) and Micro Nutrients (Mg, Ca, Mn, Zn, Cu and B) shall be as outlined below as determined by an approved laboratory using the procedures as described in the Recommended Soil Testing Procedures for The Northeastern United States, 3rd Edition, Northeast Regional Publication, Agricultural Experiment Station, University of Delaware, Bulletin #493, Revised October 2009 or latest.

P	Acceptable range is 80 lbs/acre to 100 lbs/acre
K	Acceptable range is 100 lbs/acre to 300 lbs/acre
Ca	Acceptable range is 900 lbs/acre to 2,800 lbs/acre
Mg	Acceptable range is 300 lbs/acre to 600 lbs/acre
K+Ca+Mg	not greater than 3,700 lbs/acre*
Mn	Acceptable range is 2 ppm to 20 ppm
В	Acceptable range is 0.8 ppm to 3 ppm
Cu	Acceptable range is 0.1 ppm to 4.0 ppm
Z	Acceptable range is 1 ppm to 12 ppm
% Organic	3.0% to 6% (loss on ignition)

- J. An acid-producing soil test is required to determine the potential for decreases in soil pH after oxidation. The pH value of the solution shall be greater than 4.5 as determined by the USDA Soil Survey Laboratory Methods Manual, Soil Survey Investigations Report No. 42 Version 4.0, November 2004.
- K. Engineered Soil shall not contain any traces of hydrocarbons, petroleum products, chemically prohibited substances or any other elements considered to be toxic to any vegetation used on this Project. The Engineered Soil shall not smell of petroleum or give off other unnatural or toxic odors. Regardless of prior acceptance of sample material should the Engineered Soil delivered to the site seem suspicious in any way; the Engineer shall reject the

material. Should the Contractor strongly disagree with the Engineer's Determination, the Contractor may appeal.

L. SAND shall consist of sand, free of organic material, loam, debris, frozen soil or other deleterious material which may be compressible. The sand shall be of uniform quality, friable, free from hard clods, stiff clay, hard pan, partially disintegrated stone, stones, lime, cement, ashes, slag, concrete, tar residues, tarred paper, gasoline, motor oil, or other petroleum hydrocarbons, boards, brush, weeds, stalks, roots, sods, chips, sticks or any other undesirable material. Invasive, nonnative seed shall not be allowed in the clean sand material.

Clean sand should conform to the following gradation requirements:

U.S. Standard Sieve Size	Percent Passing by Weight
No. 8	100
No. 10	15-100
No. 40	0-70
No. 60	0-12

Uniformly graded sands, defined as having a uniformity coefficient (Cu = D60/D10) less than 6, are unacceptable.

Tests shall be required and shall serve as a representative analysis for every 200 cubic yards of material utilized.

Clean sand shall comply with the following requirements: No sand shall be delivered in a frozen or muddy condition.

1. <u>Invasive, Nonnative Plant Species</u>: Clean sand shall be free of invasive nonnative plant propagules or if present, sand shall be sterilized with documentation.

When clean sand otherwise complies with the requirements of the specifications but shows an organic matter deficiency of not more than one (1) percent, organic matter may be incorporated when and as permitted by the Engineer.

# GI-2.13.5. CONSTRUCTION METHODS.

- A. Prior to procurement of Engineered Soil and starting delivery of soil, all approvals for those items required in Subsection GI-2.13.3, above, entitled "SUBMITTALS" must have been given in writing to and accepted by the Engineer.
- B. Prior to the placement of Engineered Soil, the open graded stone base, under Item GI-2.07, must be in place to the satisfaction of the Engineer.
- C. Engineered Soil shall be evenly placed to the thickness and configuration as directed by the Engineer or as shown on the plans. Engineered Soil shall not be placed when the subgrade or Engineered Soil is frozen, excessively wet, extremely dry, or in a condition otherwise detrimental to the proposed seeding, planting or soil structure.
- D. The material delivered to the site shall be visually and continuously inspected by the Engineer during construction to ensure that it is consistently the same material previously approved and delivered to the site. If any foreign or off odors are detected, the Engineers reserves the right to refuse the material. If changes in material occur, soil delivery shall cease immediately, the Contractor shall not incorporate the new material into the work until the material meets these specifications. The Contractor shall test the new material as a new source and submit his results to the Engineer for his approval. If Engineer rejects the material, the Contractor shall immediately remove the material off the project site at no additional cost to the City. [See article "K" of Subsection GI-2.13.4., herein]
- E. Placement of Engineered Soil shall be performed only when it can be followed within five (5) days by planting or seeding. Engineered Soil shall be placed by gravity with no additional compaction. After Engineered Soil placement and final grading, no heavy equipment, pickup

- trucks, or other construction vehicles shall be permitted to travel on these completed areas. The Contractor shall, through mechanical raking and hand grading with rakes and shovels, grade all areas around fences, pipes and other structures in preparation for seeding or planting.
- F. The Contractor shall, as part of the Engineered Soil spreading operation, mechanically rake and clean all undesirable materials from the Engineered Soil prior to planting operations.
- G. The Contractor shall dispose of all undesirable materials raked from the Engineered Soil, in accordance with the NYC Department of Transportation Standard Highway Specifications, Specific Provisions, Article 1.06.23.(B).
- H. The Contractor shall pay all costs, fees, etc., to rectify any deficiencies in placement of the Engineered Soil layer to the acceptance of the Engineer.

# SECTION GI- 2.14 (NOT A SEPARATE PAY ITEM) MULCH

# GI-2.14.1. INTENT.

This section describes mulch. The Contractor shall furnish and place mulch in accordance with the Green Infrastructure Standards, specifications, and directions of the Engineer.

# GI-2.14.2. SUBMITTALS.

The Contractor shall furnish two (2) labeled samples of the Mulch (a.k.a. Jute Mesh) intended for use in the work for approval and the Engineer's use. The label shall include the manufacturer's product name and the type of material. The Engineer reserves the right to reject on or after delivery any materials which do not, in his opinion, meet these specifications.

#### GI-2.14.3. MATERIALS.

Mulch shall be Jute Mesh, be of a uniform open plain weave of undyed and unbleached single jute yarn averaging 190 pounds per spindle of 14,400 yards. This yarn shall be of a loosely twisted construction having an average twist of not less than 1.6 turns per inch and shall not vary in thickness by more than one-half its normal diameter. The width of the jute mesh shall be approximately forty five (45) inches or as specified or approved. Jute mesh shall be woven as follows:

Approximately 60 warp ends per yard of width;

Approximately 40 weft ends per lineal yard.

Weight of Jute Mesh shall average 1.44 pounds per square yard (plus or minus 5%)

Wood Pegs: Shall be wedge shaped, approximately one inch by two inches by six inches (1"  $\times$  2"  $\times$  6").

Smolder Resistance: The Jute Mesh shall be treated so as to be smolder resistant, meeting the following conditions:

The cloth shall be made resistant to smoldering and/or after-glow by treatment with non-leaching and non-toxic chemicals. The chemicals must be non-toxic to vegetation and the germination of seed. The chemicals used for this purpose must resist leaching based on the equivalent of two inches of rain. The cloth itself shall bear some identification mark to differentiate it from untreated jute cloth.

"Test Method" – When a lighted cigarette is placed on the upper or treated surface of the cloth, neither flame nor after-glow will proceed in any direction more than twelve inches (12") from the original position of the cigarette after it has burned out completely.

# GI-2.14.4. CONSTRUCTION METHODS.

Jute Mesh shall be applied as a ground cover to the surface of all Right-of-Way Bioswales (ROWB) and Stormwater Greenstreets (SGS) after the planting is completed. Jute Mesh shall be applied to a uniform depth and shall be so distributed as to create a smooth, level cover. Jute Mesh shall cut and placed within two (2) inches of tree and shrub stems. Plants shall not be covered.

Jute Mesh shall be placed on topsoil and seeded areas as shown on the plans or where directed by the Engineer within areas without stretching so that it lays loosely on the soil and in contact with the soil at all points. The upper end of each roll of jute mesh shall be turned and buried to a depth of six (6") inches, with the soil.

Jute Mesh shall be placed parallel to the slope and shall have a minimum lap of six (6") inches.

Jute mesh shall be held tightly to the soil by wood pegs driven firmly into the ground. Wood pegs shall be spaced not more than three (3') feet apart, along the sides of the jute mesh and not more than one (1') foot apart at roll ends or as determined by the Engineer.

MAINTENANCE: The Contractor shall maintain the areas of jute mesh installation until final acceptance of the contract. Maintenance shall consist of providing protection of jute mesh and the repair of areas damaged by equipment, erosion, fire, or other causes, to re-establish the grade and conditions of the area as specified.

# SECTION GI-2.17 (NOT A SEPARATE PAY ITEM) STONE GABION

# GI-2.17.1. INTENT.

This section describes stone gabions which shall be installed where required as shown on the Contract Drawings and in accordance with the Standards for Green Infrastructure and the specifications and directions of the Engineer.

# GI-2.17.2. DESCRIPTION.

A gabion is a PVC coated wire mesh container filled with stone at the project site to form a stable stone basket. The gabion shall have the shape and dimensions as shown on the Contract Drawings and as directed by the Engineer. Wire mesh openings shall be of the necessary size to contain the crushed stone.

# GI-2.17.3. MATERIALS.

- A. Gabions shall be produced from PVC coating double twisted wire, lacing wire, and stiffeners conforming to the requirements of ASTM A975, Style 3. Fasteners shall be of stainless steel wire.
- B. Fabrication: Gabions shall be supplied, as specified. The horizontal width shall not be less than three (3') feet. However, all gabions furnished by a manufacturer shall be of uniform width. Dimensions for height, lengths and widths are subject to a tolerance limit of ± 5% of manufacturer's stated sizes.

The wire mesh shall be non-raveling mesh made of twisting continuous pairs of wires to form hexagonal shaped openings which are interconnected to adjacent wires. The wire mesh shall be of sufficient strength to hold the open graded stone in place and rigid enough to hold the shape as shown on the contract drawings. The wire shall be overcoated with PVC and shall be free from any cracks or breaks after the fabrication of the mesh. Fasteners used to assemble and interconnect the individual units shall be made of stainless steel.

Gabions shall be fabricated in such a manner that the front, back, sides, ends, lid and diaphragms can be assembled at the construction site into a rectangular basket of the specified sizes. Gabions shall be of single-unit construction. The base, lid, ends, front, and back shall be either woven into a single unit or one edge of these members connected to the base section of the gabion in such a manner that strength and flexibility at the point of connection is at least equal to that of the mesh. Where the length of the gabion exceeds its horizontal width, the gabion shall be equally divided by diaphragms of the same mesh and gage as the body of the gabion, forming cells such that the length does not exceed the horizontal width.

- C. Stones for the gabion shall be between three (3") and four (4") inches in diameter. The stones shall meet the specifications of Section GI-2.07, Open Graded Stone, herein this Addendum. The Contractor shall stockpile the material. Where the City elects to conduct tests, a material will be rejected if it fails to meet the following criteria:
  - (1) Freeze-Thaw Test. A maximum 10 percent loss, by weight, after 25 cycles of freezing and thawing.
  - (2) Magnesium Sulfate Soundness Test. A maximum 10 percent loss, by weight, after 10 cycles of the magnesium sulfate soundness test.
- D. Geotextile fabric for wrapping the gabion as shown on the Contract Drawings shall meet the material requirements of **Section GI-2.09**, Geotextile Fabric, herein this Addendum.

# GI-2.17.4. CONSTRUCTION METHODS.

Gabions shall be furnished with the necessary diaphragms secured in proper position on the base in such a manner that no additional tying at this juncture will be necessary. All perimeter edges of the mesh forming the gabion shall be securely selvedged so that the joints formed by tying the selvedges have at least the same strength as the body of the mesh.

Gabions cages wrapped with geotextile fabric shall be set in place within the bioinfiltration area and filled on site with stones as per the Standards for Green Infrastructure drawings and as directed by the Engineer.

# SECTION GI-4.02 (NOT A SEPARATE PAY ITEM) EARTH EXCAVATION

# GI-4.02.1. DEFINITION, EARTH EXCAVATION.

- (A) Earth Excavation shall include the removal and disposal of all materials of whatever nature encountered in the prosecution of the work, unless otherwise specified. All materials of whatever nature encountered shall be defined as including, but not limited to, the following:
  - (1) soil;
  - (2) stones:
  - (3) soft weathered rock that can be excavated by mechanical means other than air hammer or drilling and blasting;
  - (4) miscellaneous fill and refuse, trees under four (4") inches caliper, stumps up to 6" diameter, anything thrown away or rejected as worthless or useless (both organic and inorganic material) that can be excavated by mechanical means other than air hammer or burning and cutting;
  - (5) sidewalk pavements (all types) and curbs (all types) within limits of trenches and excavations and cutbacks;
- (B) Earth Excavation shall not include the following:
  - (1) boulders in open cut as defined in **Subsection 4.03.1**;
  - (2) contaminated or hazardous materials that materially affect the cost of removal and disposal to the Contractor; and,
  - (3) existing man-made objects or structures that are <u>not</u> shown on the contract drawings or indicated in the specifications, that could <u>not</u> reasonably have been anticipated by the Contractor, were <u>not</u> anticipated by the City, and which materially affect the cost of removal and disposal to the Contractor, as determined by the Commissioner.
- (C) If the City anticipates that any of the items in paragraph (B) above need to be excavated and disposed of, a separate contract item will be included in this contract.

If a separate contract item is not included in the contract and the City determines: (1) that the Contractor could not have reasonably anticipated that such materials would need to be excavated and disposed of; and, (2) that such excavation and disposal would materially affect the Contractor's costs; then such excavation and disposal shall be paid for as Extra Work under Article 26 of the Standard Construction Contract.

# GI-4.02.2. RELATED SPECIFICATIONS.

SECTION 6.02 - Unclassified Excavation of NYCDOT Standard Highway Specifications

# GI-4.02.3. EXECUTION.

A. The Contractor shall excavate all materials to the established lines and grades for the construction of all facilities included in this Contract, or as shown and specified, in accordance with the requirements of the latest NYCDOT Standard Highway Specifications **Section 6.02**, except as otherwise specified herein. Excavation shall include removing boulders of size less

than one-half cubic yard. The limits of excavation shown on the drawings indicate the extent of work to be performed by the Contractor. The Contractor shall furnish and install any temporary side slope supports, bracing, and sheet piling required to perform the excavation to the depths and limits indicated.

- B. Water in Excavations Prior to starting the work, the Contractor shall submit to the Engineer for approval, a detailed description of the method he proposes to use to prevent the collection of water in excavation during construction, including a coordinated sequence of operation for the entire project. Such prevention shall include, but not be limited to, providing drainage and diversion of runoffs by means of sandbagging and/or removal by pumping. Approval by the Engineer will not relieve the Contractor of his responsibility for the safety of the work, existing structures and adjacent property.
- C. Protection of Underground Utilities Determine location of underground utilities and perform work in a way that shall avoid possible damage. Hand excavate as required. The Contractor assumes responsibility for damage to underground utilities when excavating and is required to call "One Call" @ 800-272-4480 a service that marks underground facilities on the surface, prior to excavation. Maintain grade stakes set by others until removal is approved by Engineer. However, the Contractor is advised that the provisions of 16 NYCRR Part 753 ("One Call") do not apply to City owned utilities. It shall be the Contractor's responsibility to determine the location of the City owned underground distribution systems. The Contractor shall make his own field observations and research the City's records to determine the location of such facilities before the commencement of excavation.
- D. Trees, Shrubs, and Grassed Areas: Trees, shrubs and grassed areas which are to remain shall be protected by fences, barricades, wrapping or other methods as shown, specified or approved by the Engineer and shall be replaced at no added cost to the City in the event they are destroyed or damaged as a result of excavation and or dewatering by the Contractor. Trees shall not be removed without approval of the Engineer unless shown on the Contract Drawings or specified herein. Dewatering shall be done as per Section GI-5.02, herein this Addendum.
- E. The vehicles used to transport excavated materials to disposal sites shall, when traveling, be watertight and of such a construction as to prevent spillage. All methods of transportation and disposal shall be subject to the approval of the Engineer.
- F. The Contractor shall provide a final Survey Data Report for each site which shall include, but not be limited to, the excavation area after all excavation work under this Section has been completed. This report shall include measurements of all final dimensions of the excavation area. The Contractor shall employ a tripod-supported auto-fire or auto-scan laser with built-in angle and distance measurements and software capabilities. No separate payment be made for this work, the cost of which shall be deemed included under this Item GI-4.02.

# SECTION GI-5.14 (NOT A SEPARATE PAY ITEM) TEMPORARY FENCING

#### GI-5.14.1. DESCRIPTION.

The Contractor shall completely enclose by temporary fences all excavations, steep embankments, open shops and storage areas and all other potentially hazardous locations as soon as such condition exists and as ordered by the Engineer. The fencing is in addition to any provisions that the Contractor would normally follow to safeguard the Contractor's work operations and in no way reduces the Contractor's obligations as provided in the contract.

#### GI-5.14.2. MATERIALS.

Fencing shall be five (5') foot high above the existing surface and shall be constructed in ten (10) linear foot removable sections to facilitate construction. Each section shall consist of three (3) horizontal rails of 2" x 8" lumber nailed at each end to 2" x 8" vertical posts. The lower rail shall be located not more than six (6") inches above ground or street surface. The posts shall be of sufficient height to be firmly anchored in a manner approved by the Engineer. The spaces between rails shall be covered with 1/12-inch (0.083") diameter, (No. 14 B.W.G.) iron wire (both directions) of an electrically welded rectangular mesh, with openings no greater than two (2") inches wide by four (4") inches high.

# GI-5.14.3. CONSTRUCTION METHODS.

A. The Contractor shall be solely responsible for the furnishing, erecting, relocating, maintenance and removal and replacement of all temporary fencing required under this contract.

The Contractor shall maintain all fencing in a satisfactory and safe condition. The Contractor shall replace, at no additional cost to the City, any and all fencing that the Engineer deems cannot be maintained and/or fails to meet the requirements of this section.

B. The Contractor shall be permitted to remove such portions of the fencing as are required for the purpose of performing the Contractor's construction operations during working hours, providing that the public is continuously safeguarded by other satisfactory means during these construction operations. In all such cases the sections of fencing removed shall be restored to their original locations at the end of each workday.

# SECTION GI-5.21 (NOT A SEPARATE PAY ITEM) SAWCUTTING PAVEMENT

#### GI-5.21.1. DESCRIPTION.

This section describes the sawcutting of both sidewalk and roadway pavements for the opening of pavements under other contract items.

# GI-5.21.2. MATERIALS. (Unspecified)

# GI-5.21.3. CONSTRUCTION METHODS.

# A. SAWCUTTING OF PAVEMENTS

- (1) The Contractor will be required to saw cut all asphaltic pavement; concrete pavement; asphaltic top course on concrete base pavement; and all other roadway pavements specified, or ordered as follows:
  - (a) full-depth saw cuts of pavement along the initial opening limits of all trenches and excavations;
  - (b) full-depth saw cuts of pavement along the edges of all trenches and excavations for cutbacks of trenches and excavations;
  - (c) full-depth saw cuts of asphaltic top course along the edges of all trenches and excavations for cutbacks of asphaltic top course;

NOTE: A "FULL-DEPTH SAW CUT" shall be defined as the cutting of pavement by the use of a dust controlling water lubricated rotary blade concrete and pavement saw cutting machine. (Vermeer type cutting machines will <u>not</u> be permitted for use in order to make full-depth saw cuts.)

- (2) The Contractor will be required to full-depth saw cut all sidewalks and curbs along the limits of all trenches and excavations or as directed by the Engineer.
- (3) All saw cutting shall be done with approved power tool equipment.

#### B. BREAKING EXISTING PAVEMENT

All pavements shall be initially opened as specified in **Subsection GI-5.21.2.** paragraphs (A)(1)(a) and (A)(2), above. Unless otherwise specified, the remainder of pavements between full depth saw cuts may be opened with hand-held "Jack" Hammers. The use of Hoe-Rams will not be permitted.

The area under construction shall be kept as clean and neat as possible and no material shall restrict water flow in gutter areas. These requirements shall be the responsibility of the Contractor.

# C. EXCAVATION OF PAVEMENTS

Excavation of roadway pavement will be paid for under Item 6.02 AAN, excavation of sidewalk pavement within the bioinfiltration area will be paid for under GI-4.02, and excavation of curbs will be deemed included in the unit price bid for the new curb construction.

All pavement removal shall be done in such a manner so as not to disturb the existing pavements outside the specified and ordered area of removal and restoration.

For the removal and restoration of brick or block pavements the edges of the pavement shall be toothed or racked back.

# SECTION GI-5.35 (NOT A SEPARATE PAY ITEM) SLEEVE FOR UTILITY CROSSINGS

# GI-5.35.1. DESCRIPTION.

The Contractor shall furnish and install HDPE (High-Density Polyethylene) split sleeve pipes to protect utilities crossing the bioinfiltration area. Each split sleeve pipe shall have a wire (not wire mesh) reinforced concrete collars on each side of the bioinfiltration area, as shown on the Standards for Green Infrastructure drawings.

# GI-5.35.2. MATERIALS.

- A. HDPE SPLIT SLEEVE PIPE shall be of the diameter and length required as shown on the Contract Drawings or as directed by the Engineer.
- B. SEALING GASKET shall be as recommended by the manufacturer of the sleeve.
- C. CONCRETE shall Type B-32 comply with the requirements of Sections 3.05 and 4.06 in the NYCDOT Standard Highway Specifications.
- D. WIRE REINFORCEMENT shall comply with the requirements of Sections 4.14 in NYCDOT Standard Highway Specifications. Size and spacing shall vary in accordance with the cross sectional area of the utility and as directed by the Engineer.
- E. MORTAR, if required for end capping, shall comply with the requirements of **Section 3.07** in the NYCDOT Standard Highway Specifications, Type 1, Mortar, except that the proportions shall be one (1) part of cement to one and one-half (1-1/2) parts of sand and that the ingredients may be mixed by hand.
- F. SAND fill bedding the utilities in the split sleeve pipe shall be meet the requirements of **Section 2.21** in the NYCDOT Standard Highway Specifications.

# GI-5.35.3. METHODS.

- A. Duct spacers shall be used to hold utilities in position to maintain a two (2") separation between the concrete utility duct and the HDPE sleeves when encasing utilities within the split sleeve pipe.
- B. The space between the utility and the sleeve shall be filled with sand as directed by the Engineer.
- C. Immediately after the Engineer has inspected and approved the encasement, the HDPE Split Sleeve pipe shall be backfilled as per the appropriate items.
- D. Concreting shall comply with the requirements of Section 4.06 of NYCDOT Standard Highway Specifications.

# GI-5.35.4. DAMAGE TO THE UTILITY CROSSINGS.

Any damage cause to the utility crossings during the construction or any cause whatsoever, whether in or out of the trench, shall be made good at the sole expense of the Contractor.

# SECTION HW-914 ALLOWANCE FOR (WAYFINDING) TOTEMS

#### HW-914.1. DESCRIPTION.

Under this item, the Contractor shall be required to pay to the TOTEM sign contractor for them to furnish and install new (WAYFINDING) TOTEMS.

**HW-914.2. MATERIALS.** (Not applicable)

HW-914.3. CONSTRUCTION DETAILS.

(WAYFINDING) TOTEMS signs shall only be installed once the foundations have been installed by the Contractor under other contract items.

# HW-914.4. MEASUREMENT.

The fixed price lump sum shown in the Bid Schedule for this item shall be included in the total bid price; however, actual payment to the Contractor will be based on the actual invoices submitted by the TOTEM sign contractor to the Contractor for payment. The fixed sum is not to be altered in any manner by the bidder.

It is agreed that all work shall be based on the actual number of TOTEM SIGNS that are installed to the satisfaction of the Engineer.

# HW-914.5. PRICE TO COVER.

The Contract price for this item shall be the total price for the work performed by the TOTEM sign contractor under this item. Payment shall be equal to the sum total of all vouchers submitted to the Contractor by TOTEM sign contractor, as approved by the Engineer, for payments made by the Contractor to TOTEM sign contractor for the cost of furnishing and installing new (WAYFINDING) TOTEMS.

Payment under this item shall be made by the City on a reimbursement basis only, for payments made by the Contractor to the TOTEM sign contractor for providing the materials and services required to furnish and install TOTEM, as required. Said payments shall be equal the total amount of invoices submitted by the TOTEM sign contractor to the Contractor during the period for which a requisition is submitted. The Contactor shall be required to submit to the Engineer satisfactory evidence of payment to TOTEM sign contractor. No retainage will be withheld by the Department on such payments made under this section.

The total estimated cost of this item is the "fixed sum" amount shown for this item in the Bid Schedule. No guarantee is given that the actual lump sum cost for this item will in fact be the "fixed sum" amount. The "fixed sum" amount is included in the total bid solely to insure that sufficient monies will be available to pay the Contractor for the work performed under this item.

The Contractor shall maintain separate books of accounts and shall not charge any portion of the cost for furnishing and installing TOTEM SIGNS to another part of the work. Payment and partial payments under this item shall be treated separately from the rest of the contract items.

The voucher for payment shall be submitted to the Engineer on a monthly basis.

The "fixed sum" is for bidding purposes only and shall not be varied in the bid. The Contractor will be paid for the actual amount regardless of the fixed sum, which may be more or less than the fixed amount.

Payment will be made under:

Item No. Item Pay Unit

HW-914 ALLOWANCE FOR (WAYFINDING) TOTEMS F.S.

# SECTION PK-12C Water Tap, 1-1/2" Diameter

# PK-12C.1. DESCRIPTION.

Under this section, the Contractor shall obtain permits from the New York City Department of Environmental Protection, and install water tap(s) of the size(s) specified at existing New York City water mains where shown on the Contract Drawings.

# PK-12C.2. PERMIT.

The Contractor shall employ a licensed Certified Master Plumber to obtain a permit from the New York City Department of Environmental Protection, Bureau of Water Supply and Wastewater Collection, Tapping Division, hereinafter referred to as D.E.P.

# PK-12C.3. MATERIALS AND METHODS.

The Contractor shall notify the Engineer and the D.E.P. three (3) days prior to intended date of work. All sawcutting, excavation, installation of water tap, and restoration of street pavement (where applicable) shall be performed in accordance with D.E.P. and New York City Department of Transportation requirements.

All materials necessary for the installation of the tap(s) will be furnished by the D.E.P. and shall be paid for by the Contractor.

# PK-12C.4. MEASUREMENT.

The quantity to be measured for payment shall be the number of Water Taps installed to the satisfaction of the Engineer.

# PK-12C.5. PRICE TO COVER.

The contract price bid per each Water Tap shall cover the cost of all labor, materials, equipment, insurance, and necessary incidentals, including, but not limited to, the cost of permits and the amounts paid to the D.E.P. necessary to complete the work in accordance with the Contract Drawings, the specifications and directions of the Engineer.

The cost for Excavation, Sawcutting, and Restoration of Street Pavement (where applicable) will be paid separately under the appropriately scheduled items.

Payment will be made under:

Item No. Item Pay Unit

PK-12C WATER TAP, 1-1/2" DIAMETER EACH

# SECTION PK-13 Type K Copper Tubing

# PK-13.1. DESCRIPTION.

Under this section, the Contractor shall furnish, install and connect the water service pipe of the size shown in accordance with the Contract Drawings, the specifications and directions of the Engineer.

# PK-13.2. SUBMITTALS.

The Contractor shall submit Shop Drawings in accordance with the requirements of the NYC Department of Transportation, Standard Highway Specifications, **Section 1.06.13** for Engineer's approval.

# PK-13.3. MATERIALS.

#### A. PIPE

The water service pipe shall be rigid hard temper type 'K' copper tubing in straight lengths meeting the specification for ASTM designation No. B 88.

#### B. FITTINGS

Fittings shall be approved wrought copper and bronze solder - joint pressure fittings (ANSI B 16.22), Di-Electric fittings as required.

#### C. JOINTS

Joints shall be made by soldering, using 95-5 tin antimony solder. From the curb valve to the water tap, joints shall be of the "flared" type.

# D. INSULATION

Insulation shall be 1" thick cellular glass insulation complying with ASTM C 552, as manufactured by Pittsburgh Corning Corporation, FOAMGLAS insulation; or approved equivalent.

Jacketing shall be flexible waterproof membrane complying with ASTM E 96 for 0.002 perm inch, as manufactured by Pittsburgh Corning Corporation, ITTWRAP jacketing; or approved equivalent.

# PK-13.4. METHODS.

# A. INSTALLATION

- (a) The pipe shall be laid true to line and grade with a cover as indicated on the Contract Drawings or as directed by the Engineer.
- (b) Where cover is less than four (4') feet, pipe shall be insulated per the approved manufacturer's recommendations.
- (c) When the foundation is good firm earth, the earth shall be pared or molded to give a full support and if necessary a layer of fine sand or other suitable material should be placed. The same means of securing firm foundation shall be adopted in case the excavation has been made deeper than necessary, in which case the Contractor shall furnish the gravel at his own expense.
- (d) Where the bottom of the trench is in rock, fresh fill, soil of low bearing power or other situations where special foundations are required, the Contractor shall provide such foundation in accordance with the written order of the Engineer. The work shall be paid for at the unit prices bid for the materials used in the work.

# B. TESTING

- (a) The Contractor shall not backfill over any pipe until ordered by the Engineer.
- (b) The pipe system shall be tight and show no leaks when filled with water, sealed and subjected to an internal hydrostatic pressure of 100 psi for thirty minutes.
- (c) Temporary caps shall be placed where required to permit making the tests where valves are not available.
- (d) The tests shall be made in the presence of the Engineer or his representative.

# PK-13.5. MEASUREMENT.

The quantity of Type K Copper Tubing to be paid for under this item shall be the number of linear feet (laying length) of each size tubing incorporated in the work to the satisfaction of the Engineer, measured along the centerline of the tubing.

# PK-13.6. PRICE TO COVER.

The contract price per linear foot for each size Type K Copper Tubing shall include the cost of all labor, materials, equipment, insurance, and incidental expenses necessary to complete the work including, but not limited to, excavation and backfilling to grade, furnishing and installing tubing, fittings, insulation where applicable, and fine gravel; all in accordance with the Contract Drawings, the specifications and the directions of the Engineer.

The cost for Water Tap will be paid separately under Item PK-12C.

Payment will be made under:

Item No.ItemPay UnitPK-13ETYPE K COPPER TUBING, 1-1/2" DIAMETERL.F.

# SECTION PK-14C Curb Gate Valve, 1-1/2" Dia.

# PK-14C.1. DESCRIPTION.

Under this section, the Contractor shall furnish and install Curb Gate Valves of the size specified, in strict accordance with the Contract Drawings, the specifications and directions of the Engineer.

# PK-14C.2. SUBMITTALS.

The Contractor shall submit Shop Drawings in accordance with the requirements of the NYC Department of Transportation, Standard Highway Specifications, **Section 1.06.13** for Engineer's approval.

#### PK-14C.3. MATERIALS.

# (A) VALVES

Valves shall be Stockham No. B-130 with bronze body, bronze bonnet, inside screw, non-rising stem, solid wedge disk, and threaded ends, or approved equivalent.

# (B) OPERATING KEY

An approved operating key of proper size for each valve shall be furnished by the Contractor. However, the Contractor need not furnish more than two (2) keys for each type of valve, regardless of the quantity of valves called for in the Contract. For valves 2" diameter, the operating key shall be Stockham No. 1V437, or approved equivalent.

#### PK-14C.4. METHODS.

All plumbing work shall be done by a New York City Master Licensed Plumber. The Contractor shall comply with all rules, regulations and requirements of all regulatory agencies having jurisdiction.

# PK-14C.5. MEASUREMENT.

The quantity of Curb Gate Valve to be paid for under this item shall be the number of valves of each size, furnished and installed to the satisfaction of the Engineer.

# PK-14C.6. PRICE TO COVER.

The contract price bid per each Curb Gate Valve shall include the cost of all labor, materials, equipment, insurance, and other incidentals necessary to complete the work; all in accordance with the Contract Drawings, the specifications and directions of the Engineer.

Payment will be made under:

Item No. Item Pay Unit

PK-14C CURB GATE VALVE, 1-1/2" DIAMETER EACH

# SECTION PK-17 Cast Iron Valve Box, 5-1/4" Diameter

# PK-17.1. DESCRIPTION.

Under this section, the Contractor shall furnish and install Cast Iron Valve Box, 5-1/4" Diameter in accordance with the Contract Drawings, the specifications, and directions of the Engineer.

#### PK-17.2. SUBMITTALS.

The Contractor shall submit Shop Drawings of the valve box, in accordance with the requirements of NYC Department of Transportation, Standard Highway Specifications, **Section 1.06.13** for Engineer's approval.

# PK-17.3. MATERIALS.

- (A) BOX
  - 5-1/4" diameter valve boxes shall be Bingham & Taylor Fig. No. 4908 with a Fig No. 4904-L locking cover, or approved type manufactured by Star Pipe Products, Houston, TX; Tyler Utilities Division, Tyler, TX; or approved equivalent.
- (B) COVER

The cover shall have the designation "WATER" cast thereon.

(C) BRICK

The brick shall be made from clay or shale, well burned, of a quality approved by the Engineer.

(D) MORTAR

The mortar shall be composed of one part Portland Cement and two parts sand.

(E) BROKEN STONE

The broken stone shall be clean broken traprock, or other approved stone, all of which shall pass a one-inch square opening screen and retained on a 5/8 inch square opening screen.

# PK-17.4. METHODS.

- (A) INSTALLATION
  - (a) Setting: The valve boxes shall be set plumb, as shown on the plans, on a footing of brick laid in cement mortar, supported on a foundation of broken stone.
  - (b) The box shall extend within the limits called for on the plans.

# PK-17.5. MEASUREMENT.

The quantity to be measured for payment shall be the number of Cast Iron Valve Boxes, 5-1/4" Diameter, installed on site to the satisfaction of the Engineer.

#### PK-17.6. PRICE TO COVER.

The contract price bid per each Cast Iron Valve Box shall include the cost of all labor, materials, equipment, insurance, and incidentals necessary to complete the work including, but not limited to, excavation and restoration, and furnishing and placing brick and broken stone setting bed; all in accordance with the Contract Drawings, the specifications and the directions of the Engineer.

Payment will be made under:

Item No. Item Pay Unit

PK-17 CAST IRON VALVE BOX, 5-1/4" DIAMETER EACH

# SECTION PK-162A DOUBLE CHECK VALVE & WATER METER W/ REMOTE & STRUCTURE - 1-1/2" DIA.

# PK-162A.1. DESCRIPTION.

Under these Items, the Contractor shall provide all labor, materials and equipment necessary or required to furnish and install DOUBLE CHECK VALVE & WATER METER W/ REMOTE & STRUCTURE of the size indicated, including all piping, fittings, valves, test tee, and test tee valve, if required and other incidentals necessary to complete plumbing work and connection to water service and water feed lines in accordance with the plans, specifications, and directions of the Engineer. Water Meter W/ Remote Reader shall include Water Meter, Water Meter Strainer and Automatic Reading & Billing System (also known as Remote Reading Device). All factory plumbing work is to be done by a Licensed Plumber. All on-site plumbing work is to be done by a New York City Master Licensed Plumber. The Contractor shall comply with all rules, regulations, and requirements of all regulatory agencies having jurisdiction.

# PK-162A.2. SUBMITTALS.

The Contractor shall submit Shop Drawings in accordance with the requirements of the NYC Department of Transportation, Standard Highway Specifications, **Section 1.06.13** for Engineer's approval. A shop drawing is required showing installation of the complete RPZ assembly, water meter, piping, pipe supports, and the precast concrete structures.

The Contractor shall submit Catalog Cuts of the water meter, meter reading system, control valve, water meter vault, water meter vault cover, double check valve and all connected piping for approval prior to installation.

#### PK-162A.3. MATERIALS.

Unless otherwise provided for herein, all materials and methods of construction shall conform to the requirements of the New York Department of Parks & Recreation (NYCDPR) Section B, "Materials and Methods of Construction". Entire unit shall be fabricated and installed in accordance with this specification.

#### Vault:

Enclosure structures for the double check valve and water meter shall be as manufactured by Hobbel Quazite Round Enclosure PR3944BA48 or approved equal.

#### Reinforcement:

Steel reinforcement shall conform to the provisions of the NYCDPR standard items for "Steel Bar Reinforcement" and "Steel Fabric Reinforcement". Reinforcement shall be placed as shown on the drawings.

#### Ladder Rungs:

Ladder rungs for each water meter structure shall be constructed of copolymer polypropylene plastic, as manufactured by M.A. Industries, Peachtree City, Ga., or approved equal.

# Water Meter Cover and Frames:

Water Meter Cover and Frames shall be Hubbel Quazite Round Enclosure Cover PR3900HA00 or approved equal.

# Broken Stone:

Broken Stone shall consist solely of crushed ledge rock. Stone shall be No. 3 size and shall be of approved size and quality as specified in Section B, "Materials and Methods of Construction".

# Water Piping:

Shall be hard temper type 'K' copper tubing meeting the Department of General Services; Division of Municipal Supplies, Dept. of Purchase, Specification No. 32-T-1.64 and ASTM designation B 88. Fittings shall be approved flared type as required, conforming to AWWA C800 requirements.

# Meter Outlet Control Valve (MOCV):

The MOCV shall be a Class 125, all bronze gate valve, with non-rising stem and solid disc, with screwed bonnet and threaded ends, such as Stockham Figure B-103, or approved equal. The MOCV shall be capped for testing.

# **Electrical Grounding:**

For continuity of Electrical Grounding (during RPZ Maintenance) the Contractor is to furnish and install one (1) #2 tinned copper ground conductor and copper alloy ground connectors as per O.Z. Gedney, Type ABG for 1" & 1-1/2" dia. and CG for 2" dia. pipe or approval equal. Ground work is to be done prior to any painting or insulation if needed.

# Water Meter:

Water Meter shall be Neptune T-10, as manufactured by Schlumberger Industries Water Division, or ABB's C-700 as manufactured by ABB Water Meter, Inc., Oak, Florida, or approved equal. All water meters furnished shall conform to the "Standard Specifications for Cold Water Meters", AWWA Standard C700 latest revision.

Water meters shall consist of a bronze maincase with the serial number stamped on the maincase. Only displacement meters of the flat nutating disc type will be accepted for improved operation. The size, capacity and meter lengths shall be as specified in AWWA Standard C700, latest revision. The maximum number of disc nutations is not to exceed those specified in AWWA C700 latest revision to minimize premature wear.

# Meter Maincase:

All one (1") inch meter maincase shall be the removable bottom cap type with the bottom cap secured by six (6) bolts. Bottom caps shall be interchangeable, size for size, between frost-protected synthetic polymer or cast iron and non-frost protected (bronze) models. No meters utilizing frost plugs will be accepted. Non-frost protected meters shall have bronze or synthetic polymer bottom caps. The cross section of the bottom shall break clean when subjected to freezing pressure of 600-850 psi. All maincase bolts shall be of 300 series stainless steel to prevent corrosion. Bottom cap bolt lugs shall be enclosed in the maincase and shall not have externally exposed, threaded through holes. All one and one-half (1-1/2") inch and two (2") inch meters shall have a split design secured by bronze or stainless steel bolts.

#### Register:

The register shall be of the straight reading sealed magnetic drive type and shall contain six (6) numeral wheels. Registers must be sealed and dry. All direct reading register lenses shall be flat, of high strength, and impact resistant glass to prevent breakage. The dial shall be of the center sweep pointer type and shall contain 100 equally divided graduations at its periphery. The register must contain a low flow indicator with a 1:1 disc nutating ratio to provide leak detection. Register boxes shall be bronze.

All meters must be adaptable to digital encoder register without interruption of the customer's service for the purpose of pit, remote, or central meter reading. The registers shall be secured to the maincase by means of a plastic tamperproof seal pin to allow for in-line service replacement. Seal screws are not acceptable.

Register retainer rings shall have an impact resistant design which absorbs register glass lens impact. All registers shall have the size, model, and date of manufacture stamped on the dial plate.

# Measuring Chamber:

The measuring chamber shall be a nutating disc type, the flat nutating disc shall be molded of a non-hydrolyzing hard rubber or synthetic polymer and shall contain a type 316 stainless steel spindle. The

nutating disc shall be equipped with a synthetic polymer thrust roller with a stainless steel shaft located within the disc slot. The roller head shall roll on the buttressed track provided by the diaphragm in the measuring chamber. The measuring chamber shall be of a 2-piece snap-joint type. The measuring chamber shall be made of non-hydrolyzing synthetic polymer, shall be smoothly and accurately machined and shall contain a removable molded diaphragm of the same material as that of the chamber. No screws shall be used to secure the chamber together. The control block shall be the same material as the measuring chamber and be mounted on the chamber top to provide sand ring protection. The control block assembly shall be removable to facilitate repairing. Control block assemblies shall be designed to allow no magnetic slippage which would result in a loss of revenue. The measuring chamber outlet port shall be sealed to the maincase outlet port by means of an "O" Ring gasket to eliminate chamber leak paths.

#### Guarantee:

Registers must be guaranteed for at least ten years. All meters will be guaranteed for one year on material and workmanship. To ensure accuracy, each meter must be accompanied by a factory test tag certifying the accuracy at the flows required by AWWA C700 (low, intermediate, and full flow). All meters shall be guaranteed adaptable to the Neptune ARB Encoder Electronic Meter Reading Systems.

#### Strainer:

All meters shall contain removable polypropylene plastic strainer screens. The strainer shall be located near the inlet maincase port, before the measuring chamber and control block assembly.

# Remote Reader:

The Remote Reader shall be Neptune Proread ARB System ® as manufactured by Schlumberger Industries Water Division or Remote Meter Read (RMR) System® as manufactured by ABB, or approved equal. The Remote Reader shall be a self-contained encoder register metering system designed to obtain remote simultaneous water meter registration directly from the register odometer. The metering information shall be obtained through a remotely located receptacle using a compatible data capture system. The system shall consist of the Encoder Meter Register and Remotely Mounted Receptacle.

# **Encoder Meter Register:**

Shall be direct mounted with encoded odometer wheels and digital data stream. Batteries or pulses are not allowed.

# Registration:

The register shall provide a six digit visual registration at the meter. The unit shall, in a digital format, simultaneously encode the four or six most significant digits of the meter reading for transmission through the remotely located receptacle. (The most significant meter registration digits are defined as those digits on the register number wheels that denote the highest recorded values of water consumption.) A quick indexing mechanism shall be employed which shall prevent ambiguous reading. The register shall have a full test sweephand or dial divided into gradients of down to 1/100th of the units of registration. Register test rings shall be available for shop testing. The units of registration shall be in U.S. gallons. These units shall be clearly designated on the face of the register. The month and year of manufacture and other identification information shall appear on the face of the register. The register shall employ a leak detection indicator on the dial face. Registers using pulse generation or conversion of pulses to digital output is not permitted. Batteries shall not be required.

#### Mechanical Construction:

Materials used in the construction of the register shall be compatible with the normal water meter environment and with each other. The unit shall possess a copper bottom and incorporate a rubber O-ring seal. Where indicated, pit set registers must be provided with moisture protection for all internal components when operating under flooded pit conditions. The register and mounting base shall be integral components and should not allow for disassembly. The register shall be attached to the meter case by a bayonet attachment. Fastening screws or nuts shall not be required. A tamperproof plastic seal pin shall be used to secure the register to the main case. No special tools shall be required to remove the register. The register head must swivel 360 degrees without removing the seal pin to facilitate visual reading and ease of wiring. The register shall be removable from the meter without disassembling the

meter body and shall permit field installation and/or removal without taking the meter out of service. Provision shall be made in the register for the use of seal wires to further secure the register. Terminal screws must be accessible on the register for transmission wire connection to the remote receptacle or future connections to a telephone system.

# **Electrical Construction:**

The materials employed for contacts and connectors shall inhibit corrosion and shall suffer minimal effect from environmental conditions to which they are exposed. The number wheels used in the register assembly shall be provided with spring-type bifurcated metal contacts to insure a high probability of information transmission.

Connection shall be made to the register by three screw-type terminals, sonically inserted into the register top. Access to the terminals shall be available to all models of register. A port cover shall be provided to cover the terminals after they have been wired. Digitally formatted data transmitted from the register shall incorporate a check sum character to verify correct information transmission and integrity. Data errors shall be indicated by the reading equipment.

# Meter Reading Information:

The encoder register shall provide up to six digits of information to the reading equipment. A ten digit identification number shall also be provided with each reading. The utility shall have the option to reprogram the internal register identification number an unlimited number of times. The encoder register must have the capability to provide additional custom information to the reader. This information shall be programmed (and reprogrammed at any time) by the utility. Information on programming the register, equipment needed, and encoder meter reading output shall be provided with each proposal.

# Remote Mounted Receptacle:

Remote receptacle shall provide a communication link for the transmission of information from the register.

#### Mechanical Construction:

Where indicated, a remote receptacle must be provided for attachment to a pit meter lid with another unit also designed for attachment by wall mounting. The materials employed shall be corrosion resistant, resist ultraviolet degradation, unaffected by rain or condensation, and compatible with rugged service and long life. The pit mounted receptacle shall be mounted to the water meter access door of the meter concrete structure using two screws to be provided by the utility. The hole size to be drilled in the access door shall not exceed 3/8" each. The pit mounted receptacle shall be provided with a minimum length of ten feet of wire connected and sealed at the receptacle without terminal exposure.

# **Electrical Construction:**

The receptacle construction shall incorporate the function of a cable clamp or strain relief. Design of the unit shall be such that it provides for mechanical and electrical connection between the receptacle and interrogation equipment.

# Cable:

The connecting cable shall be of the two-wire conductor type in a sheath which shall be abrasion and moisture resistant. Each conductor shall be color coded.

# PK-162A.4. METHODS.

# Excavation:

The Contractor shall excavate to the lines as shown in the drawings. Temporary sheeting is required in excavation for the precast concrete structure. This work is detailed in the separate specification "Temporary Sheeting".

# Setting of Water Meter Structure:

The precast concrete water meter structure shall be set on an eight (8) inch thickness of broken stone.

The Contractor shall install supports for the water meter at the height shown on the Contract Drawings. The meter shall be set so that the dial faces upward and is horizontal. The encoder register shall be installed on meter as per manufacturer's instructions. The remote reader receptacle shall be installed in the pit cover as per the manufacturer's directions and recommendations, allowing reading of the meter from above ground level. The Contractor to allow sufficient Water Meter Remote Reader cable slack for manhole cover removal. The double check valve shall be installed as shown on the Contract Drawings and per manufacturer's instructions.

# Connections:

The Contractor shall connect the water piping as shown on the Contract Drawings for complete and satisfactory operating unit to the satisfaction of the Engineer. Connections shall be made to The Water Meter by coupling union or flange union on both inlet and outlet ends of the meter and bored for sealing with holes not less that one-eight (1/8) of an inch in diameter - solder connections are not permitted. Connections to the double check valve shall be as shown on the Contract Drawings and per manufacturer's instructions.

#### Certifications:

The Contractor shall be responsible for obtaining all certifications necessary to comply with the NYC Bureau of Water Supply & Wastewater Collection, Cross Connection Control Unit & the NYS Dept. of Health regulations. Certification of Master Plumber responsible for the R.P.Z. installation, and a Professional Engineer's or Registered Architect's Certification that the installation is in accordance with the approved Plans.

# PK-162A.5. MEASUREMENT.

For the furnishing and installation of EACH size of the DOUBLE CHECK VALVE & WATER METER W/REMOTE AND STRUCTURE indicated, including installation of all plumbing work, certifications, etc., in accordance with the plans, specifications, and directions of the Engineer, the Contractor shall receive the unit price bid.

# PK-162A.6. PRICE TO COVER.

The price bid shall be a unit price for EACH size Double Check Valve and Water Meter w/ Remote and Structure and shall include the cost of all labor, materials, equipment, and any incidental expenses necessary, including certifications, all plumbing work within the structure, connection to the water service at the structure; and vault, including reinforcing steel, rungs, broken stone and vault cover, all in accordance with the plans and specifications, to the satisfaction of the Engineer.

"Excavation", for base shall be paid for under separate contract Items. Copper tubing and all water service beyond the exterior face of the concrete structure shall be paid for separately.

Payment will be made under:

Item No. Item

Pay Unit

PK-162A

DOUBLE CHECK VALVE & WATER METER WITH

REMOTE & STRUCTURE 1-1/2" DIA.

**EACH** 

# **SECTION PK-186 – Drinking Fountain Type "E"**

# PK-186.1. DESCRIPTION.

Under this Section the Contractor shall furnish all labor, materials and equipment necessary or required to furnish and install cast iron accessible DRINKING FOUNTAIN, TYPE "E", in compliance with all A.D.A. and A.N.S.I. standards, including all internal plumbing, precast concrete foundation, crushed stone base, miscellaneous iron and steel, all external plumbing work, and connection to water service and drain within five (5) feet of the edge of the foundation walls, all in accordance with the standard New York Department of Parks & Recreation (NYCDPR) details (without NYCDPR logo or raised lettering), plans, and directions of the Engineer. Drinking Fountain design and installation shall comply with Americans with Disabilities Act (ADA) provisions as described in ANSI A117.1 –1998 (or most recent edition).

# PK-186.2. MATERIALS.

- A. <u>PRECAST CONCRETE FOUNDATION:</u> The concrete foundation (also referred to as Concrete Plumbing Pit) shall be precast, manufactured by Key Cast Stone Company, Inc., Long Island City, NY., Pro Concrete Precast, Jamaica, NY, Coastal Pipeline Products, Calverton, NY or approved equal.
  - 1. <u>Cement:</u> Air entrained Portland cement shall comply with the requirements of the ASTM Designation C150. It shall be Type IIA, moderate sulfate resistant.

Cast stone shall have a compressive strength of not less than forty-five hundred (4,500) pounds per square inch when tested as 2" x 2" x 2" cubes at an age of not more than twenty-eight (28) days and shall have an absorption rate not to exceed seven (7%) percent of the dry weight after being dried to constant weight at 150 degrees Fahrenheit. No chipped, broken, or checked stone showing fine hair cracks or checks on the surface will be accepted.

- 2. Aggregate: Natural Sand and gravel shall conform to the requirements of ASTM C33.
- 3. Calcium Chloride: Do not use calcium chloride in precast concrete.
- 4. Reinforcing bars: ASTM A 615, Grade 40 or Grade 60 as necessary. Bars are to be used to handle transportation and handling stresses.
- 5. Welded Wire Fabric: Shall meet ASTM A 185.
- 6. <u>Supports for Reinforcement:</u> Provide supports for reinforcement including bolster, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing.
- 7. <u>Miscellaneous Iron and Steel:</u> Access into the concrete plumbing pit shall be via a twenty-seven (27") inch outside diameter ductile cast iron frame and a twenty-two (22") inch cast iron manhole cover with 3/8" high raised slip-resistant block pattern surface treatment, as shown on the standard details, or approved equal.
- 8. <u>Crushed Stone Base:</u> Shall consist solely of crushed ledge rock. Stone shall be no. 3 size and shall be of approved size and quality as specified in NYC DOT Standard Highway Specifications, Division II, Basic Materials of Construction, Section 2.02 Aggregate Coarse (Broken Stone and Gravel)
- B. <u>CAST IRON DRINKING FOUNTAIN:</u> The Drinking Fountain shall be delivered as a preassembled cast iron body, with brass bubbler, stainless steel bowl with strainer, push-button, and all internal plumbing as manufactured by Canterbury International, Los Angeles, Ca., Urban Accessories, Tacoma, WA, Allen Architectural Metals, NY, NY or approved equal, as per the standard details.

- 1. <u>Ductile Iron:</u> Five (5) patterns will be necessary as follows: The fountain body, two (2) removable access panels, and two (2) base covers shall be galvanized cast ductile iron. Tensile strength shall meet a minimum of 65,000 psi, in accordance with ASTM A536-84, Grade 65-45-12.
- 2. <u>Galvanizing:</u> All ductile iron castings shall be hot-dipped galvanized prior to painting. Galvanizing shall withstand a minimum of five (5) one-minute dips by the Preece test.
- 3. <u>Painting:</u> After galvanizing, the precast ductile iron fountain body, access panels and base covers shall receive three (3) coats of paint. Immediately prior to painting, all surfaces shall be thoroughly cleaned. All galvanized surfaces shall be sanded with a 100 grit aluminum oxide sandpaper or treated with Cardinal's W-303A surface preparation to improve adhesion.

After a final SP-1 solvent cleaning and drying, paint shall be applied. Cleaning shall be performed with a solvent such as mineral spirits, xylol, or turpentine to remove all dust, grease, and other contaminants. After all parts have been cleaned and prepared, they shall be shop painted as follows:

- 4. <u>First Coat:</u> Cardinal Paint Co., El Monte, CA, 7063 epoxy primer, or approved equal. Primer is a two-component high build modified polyamide cured epoxy coating having a dry film thickness of 6 mils. Paint requires twelve (12) hours drying time before recoating. Color shall be gray.
- 5. <u>Second Coat:</u> Cardinal 6400 polyurethane top coating, or approved equal. Topcoat is a two-component high solids polyurethane coating having a dry film thickness of 4 mils. Color shall be high gloss black unless otherwise noted on the drawings.
  - All coats shall be shop painted prior to assembly. All paints shall be apportioned, mixed, and applied in strict accordance with manufacturer's instructions.
- 6. <u>Paint Substitution:</u> A written request for any paint substitution must be submitted to NYC DDC. The Contractor shall submit paint manufacturer's data sheets for approval of any equal product two weeks prior to application of paint.
- 7. <u>Hardware:</u> All hardware shall be 18-8 stainless steel type 304 in accordance with ASTM F593. All heads shall be vandal resistant.
- 8. <u>Water Piping:</u> Water Piping shall be 1 1/4" rigid hard temper type "K" copper tubing as shown on the plans meeting the specification for ASTM designation No. B88. Fittings shall be approved wrought copper and bronze solder-joint pressure fitting (A.N.S.I. B16.22).

Pipes through foundation wall shall be protected with a sleeve caulked watertight with a silicone sealant. All appurtenances such as 1 1/4" Gate Valve, 3/4" drain cock, reducer coupling and 3/8" pressure regulator valve shall be installed as per plans, and as directed by the Engineer. Pressure regulator piping to be 3/8" soft temper copper tubing with cast brass compression fittings.

- 9. <u>Pressure Regulators:</u> Water pressure regulators shall be similar and equal to Cash Acme Type A-31 all bronze with wing nut setting screw. Pressure to be from 60 PSI to 5 PSI.
- 10. <u>Gate Valves:</u> The 1-1/4" gate valve shall be similar and equal to Jenkins Brother #370 all bronze screwed gate valve.
- 11. <u>Pipe Supports:</u> Pipe clamps shall be made up of 1" x 3/8" strap iron galvanized and shall be constructed to rigidly hold the pipes firmly in place. Clamps shall be held in place with anchor bolts set in fountain shaft or base.

- 12. <u>Bubbler Head:</u> Shall be polished chrome plated cast brass, single projection anti-squirt angle stream integral basin shank with lock nut for a 3/8" copper tubing connection manufactured by Haws, Sparks, NV, Model #5706, or approved equal.
- 13. Push Button (Handicapped Accessible): Shall be polished chrome plated brass valve body with a 1 ½" diameter feather touch vandal resistant push button. Push button shall be activated by a maximum five (5) pounds of pressure. Push button shall be manufactured by Haws, Sparks, NV, Model # PBA2, or approved equal.
- 14. <u>Stainless Steel Bowls:</u> Shall be cast stainless steel with an antique finish fastened with tamper-proof screws.
- 15. <u>Waste Strainer:</u> Shall be satin chrome plated brass waste strain with a 1-1/4" O.D. tailpiece, as manufactured by Haws, Sparks, NV, Model #6460, or approved equal.

# PK-186.3. METHODS.

A. <u>PLUMBING</u>: Brass bubblers, stainless steel bowls, bronze strainers, push-buttons, and all internal plumbing shall be preassembled by the Drinking Fountain manufacturer and shall meet the requirements of the plumbing section of this specification and the contract drawings. The Fountain Manufacturer shall have all factory installed plumbing components pre-tested installed before delivery to site. All factory connections to be made by a licensed plumber.

The fountain is to be handled at lifting locations designated by the manufacturer; no chipped, cracked, or otherwise defective fountains will be acceptable. All parts and installation shall meet applicable requirements of N.Y.C. Codes.

The Contractor shall furnish and install all pipe, fittings, valves, and other foundries to complete the plumbing for the Drinking Fountain connections and concrete pit. The Drinking Fountain drain pipe shall be extended five (5') feet beyond the foundation and connected to the drain lines, as shown on the plans. The one and one-quarter (1-1/4") inch cold water line shall be extended five (5') feet beyond the foundation and connected to the water supply pipe, as shown on the plans.

Connection to water supply shall be made with a threaded, extra heavy fitting. The Contractor shall provide dielectric fitting at appropriate locations, as shown on plan.

B. <u>FIELD INSTALLATION:</u> The precast concrete foundation shall be set level on a bed of compacted crushed stone installed to the dimensions as shown on the drawings. The fountain is to be handled at lifting locations designated by the manufacturer, no clipped, cracked, or otherwise defective fountains will be acceptable. All field connections to be made by a licensed plumber. The factory installed portion of the cold water supply and waste water lines shall be extended from the Fountain Base at lengths indicated on the drawings.

Field Connections required to complete the installation include gate valve, pressure regulating valve, waste, and supply connections within the plumbing pit, and any other miscellaneous work required to complete the work. All parts to be installed in such a manner as to facilitate removal for purposes of replacement. Drain cock shall be oriented on the pipe at an angle which will allow easier access, per the direction of the Engineer.

C. <u>Winterization:</u> Drinking Fountain shall be winterized by shutting off water supply and opening bleeder valve (outside of fountain). The fountain shall be designed to allow internal water to drain by gravity.

Water and Drain lines shall be pitched away from the Drinking Fountain. Pockets in rigid piping that cannot be drained by gravity will be rejected. The plumber will be required to reinstall piping until gravity drain is achieved.

# PK-186.4. SUBMITTALS.

All submittals shall be submitted as per NYC DOT Standard Highway Specifications under Division 1 Contract Requirements, Section 1.06.13.G. Submission of Shop and Working Drawings.

- A. <u>Catalogue Cuts:</u> The Contractor shall submit Catalogue Cuts of the hardware, manhole frame and cover, brass bubblers, stainless steel bowls, strainer, push buttons, and all other plumbing parts for approval twelve (12) weeks prior to proposed installation.
- B. <u>Shop Drawings:</u> The Contractor shall submit a complete dimensional shop drawing, for approval twelve (12) weeks prior to proposed installation, showing details of construction, reinforcement, plumbing, etc., including gauges of metal and thickness of wall construction.
- C. <u>Foundry Certificates</u>: A foundry certificate verifying authenticity of ductile iron supplied on this item shall be submitted. The certificate shall be on foundry letterhead, dated and signed by an officer of the company with the contract name and number, Contractor name, and class of ductile iron provided.
- D. <u>Galvanizing Certificate:</u> A certificate and paid receipts certifying galvanizing by the hot-dip process must be submitted to the Engineer.

#### PK-186.5. EXTRA MATERIALS.

The Contractor shall furnish (supply and deliver only; not install) extra materials and deliver to the Myrtle Avenue Business Improvement District (BID) at 60-82 Myrtle Avenue, Ridgewood, NY11385 (T: 718.381.7974, E: myrtlebid@gmail.com) as follows:

For each drinking fountain installed under this item, Contractor shall supply:

- 1 (One) Bubbler Assembly. Haws Model #5705.
- 1 (One) Push Button. Haws Model # PBA2.
- 1 (One) Push Button, Central Brass Model # 0361.
- or approved equals.

# PK-186.6. MEASUREMENT.

The quantity to be measured for payment shall be the number of DRINKING FOUNTAIN, TYPE "E" actually installed to the satisfaction of the Engineer

# PK-186.7. PRICE TO COVER.

The price bid shall be a unit price for EACH drinking fountain, and shall include the cost of all labor, materials, equipment, insurance, and incidentals necessary to complete the work including, but not limited to, excavation, furnishing and installing crushed stone, precast concrete foundation, miscellaneous iron and steel, manhole cover, locking bolts, and all plumbing work, and connections to water and drain service within five (5') feet from the edges of the foundation; all in accordance with the plans, the specifications, and the directions of the Engineer.

In addition, the Contractor shall deliver EXTRA MATERIALS as outlined above to the Myrtle Avenue Business Improvement District (BID) at 60-82 Myrtle Avenue, Ridgewood, NY 11385 (T: 718.381.7974, E: myrtlebid@gmail.com). No additional payment shall be made for extra materials. The Contractor shall include the cost in the bid price. The City shall take a credit of \$200.00 for each drinking fountain installed where extra materials were not supplied.

Payment will be made under:

item No.	Item	Unit
PK-186	DRINKING FOUNTAIN - TYPE E	EACH

# SECTION PK-482 B REMOVING AND REINSTALLING EXISTING PLAQUES

# PK-482B.1. DESCRIPTION.

Under this item the Contractor shall remove and reinstall one (1) Plaque with Metal Posts where directed in accordance with the plans, the specifications, and the directions of the Engineer.

# PK-482B.2. SUBMITTALS.

Shop Drawing: The Contractor shall submit a shop drawing indicating the proposed concrete foundation for the Engineer's approval.

Metal Post Touch-up Paint: The Contractor shall submit a physical sample and associated product information for Touch-up Paint to match existing post protective coating for the Engineer's approval.

# PK-482B.3. MATERIALS.

Existing Plaque with Mounting Posts: Existing metal plaque with surface applied graphic and two (2) existing tubular steel mounting posts to be salvaged for reinstallation.

Concrete Footings: Concrete for footings shall be Class B-32, Type IIA; cement - Type II Portland; sand - Type 1A; coarse aggregate Type 1, Grade B, or Type 2, Size No. 57; and an approved air-entraining agent shall be added at the time that concrete is mixed. Concrete, cement and aggregate shall comply with the requirements of NYC DOT Section 3.05

Setting Bed: Latex modified mortar, Type M (ASTMC-270). Admix shall be Laticrete 8510, manufactured by Laticrete International, Inc., Bethany CT., or approved equal.

Expansion Joint: The expansion joint material shall be a pre-molded bituminous fiber joint filler".

Joint Sealant: Prepared expansion joints shall be coated with a primer, followed by installation of a bond breaker and a self-leveling two-component polyurethane-based elastomeric sealant. The Contractor shall apply Sikaflex 429 primer with Sikaflex 2C, SL sealant, Sonneborn 733 primer with Sonolastic SL2 sealant, or approved equal. Color of sealant shall match surrounding pavement. Asphalt cement will not be approved as a sealant.

Sikaflex products are manufactured by Sika Corp., Lyndhurst, NJ. Sonolastic products are manufactured by BASF Construction Chemicals, LLC, Shakopee, MN.

# PK-482B.4. METHODS.

Remove existing plaque and metal posts using such means as to not damage either. Remove excess materials, including but not limited to concrete foundation material, as necessary to leave no visual remnants of excess materials upon reinstallation in new location. Touch-up metal posts with surface applied exterior grade paint as necessary to restore a continuous protective coating and achieve a uniform appearance.

Prior to placement of concrete foundation when reinstalling existing plaque and metal posts, subgrade shall be compacted. The plaque shall be installed completely level at a height equal to the existing installation. Work shall be coordinated with installation of Concrete Pavements and Dolomitic Limestone Curbs.

After the plaque is set, the space between individual posts and the surrounding pavement shall be filled with poured joint sealant. Thoroughly clean joints of dirt, loose particles, asphalt, tar, paint, wax,

waterproofing, and curing compounds. Cover adjacent sides of joints with masking tape to prevent spillage onto pavement.

Joint Sealant: Fully mix the two components sealant and pour into joint slots in one direction and allow to flow and level out as necessary. Fill joints from bottom to prevent air voids. Tool lightly to smooth out ripples and maximize adhesion to the sides of joints. If bubbles form, wait 5-10 minutes before tooling to break the bubbles. Remove excess sealant promptly as the work progresses and clean adjacent surfaces. Remove masking tape.

Install sealant in accordance with manufacturer's instructions, including allowable minimum temperature of 40 degrees Fahrenheit.

# PK-482B.5. MEASUREMENT.

The quantities to be measured for payment shall be the number of PLAQUES actually installed at the site, to the satisfaction of the Engineer.

#### PK-482B.6. PRICE TO COVER.

The price bid shall be a unit price for removing and reinstalling EACH existing plaque and shall include the cost of all labor, material, equipment, insurance, and incidentals necessary to complete the work in accordance with the plans, the specifications, and the directions of the Engineer. The work under this item shall also include the cost of all excavation, removal and disposal of debris of the existing foundation, furnishing and installing new concrete foundation, stainless steel dowels, fasteners, cleaning, polishing and storing and all incidental work thereto.

Payment will be made under:

Item No.	Item	Unit
PK-482B	REMOVING AND REINSTALLING EXISTING PLAQUES	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 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. <u>SPECIFIC TRAFFIC STIPULATIONS</u>. 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. HOLIDAY CONSTRUCTION EMBARGO. 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: http://www.nyc.gov/html/dot/downloads/pdf/holidayembapp.pdf

<sup>\*</sup> Please note that this embargo only applies to NYCDOT construction permits.

<sup>\*</sup> 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>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.
- 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>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.

G. <u>ACCELERATED PROJECT SCHEDULE AND COMBINATION OF STAGES</u>. 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.

- H. 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.
- I. 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 it's hardware requires adjustment.
- J. <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.
- K. 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 its operations, to the satisfaction of the Engineer, with sod. The Contractor shall also, as directed by the Engineer, make safe adjacent areas to its 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.

L. THE CONTRACTOR IS NOTIFIED that wherever the Item No. "6.52" and words "flagger" and "flagperson" are used in the Contract Documents and Drawings it shall mean the Item No. "6.52 CG" and the words "Crossing Guard".

The Contractor is advised that until the Comptroller of the City of New York sets a prevailing wage rate for crossing guards, there are no prevailing wage rates for crossing guards.

- M. THE CONTRACTOR IS NOTIFIED that for use of City water under this project the Contractor shall be required to obtain all necessary permits from the Department of Environmental Protection, at no cost to the Contractor in accordance with the NYC Department of Environmental Protection, Standard Sewer and Water Main Specifications, dated July 1, 2014, Section 12.04 "TEMPORARY USE OF CITY WATER ON CONSTRUCTION PROJECTS".
- N. THE CONTRACTOR IS NOTIFIED that the fuel cost per gallon used in the formula under Sub-Article 26.2.8 of the Standard Construction Contract for Extra Work will be derived from the fuel price index for the United States East Coast published weekly by the United States Energy Information Administration ("USEIA"), and available on its website at http://www.eia.gov/petroleum/gasdiesel/. The USEIA-published cost per gallon for the applicable fuel on the East Coast for the week in which the first day of each calendar quarter during the contract term occurs (i.e., January 1st, April 1st, July 1st and September 1st) will be used in the reimbursement formula for all Extra Work invoiced that was performed during that calendar quarter. Should the USEIA stop publishing this fuel price index, the fuel cost per gallon will be determined by reference to a substitute index to be agreed upon by the Contractor and the City.
- O. START OF CONTRACT WORK. The Contractor is notified that a Notice To Proceed (NTP) date will be issued for work to commence within 21 to 30 Days of Contract Registration.
- P. <u>PRICES TO INCLUDE</u>. 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**

November 14, 2013

OCMC FILE NO: CONTRACT NO: QEC 13-494 HWPLZ009Q

PROJECT:

RECONSTRUCTION OF 71ST AVENUE PLAZA

LOCATION(S):

**VARIOUS LOCATIONS** 

PERMISSION IS HEREBY GRANTED TO THE CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION 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:

#### A. SPECIAL STIPULATIONS

- 1. <u>EMBARGOES</u> A CONSTRUCTION EMBARGO WILL APPLY TO THOSE LOCATIONS BELOW WHICH FALL WITHIN THE <u>HOLIDAY EMBARGO</u> OR ANY OTHER SPECIAL EVENT EMBARGOES SUCH 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.
- 6. <u>AUTHORIZED PARKING</u> 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.
- 7. 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.

#### B. ENHANCED MITIGATIONS

- 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.

#### B. MAINTENANCE AND PROTECTION OF TRAFFIC

#### 1. MYRTLE AVENUE BETWEEN CENTRE STREET AND NORMAN STREET

- Work hours shall be as follows: 9:00 AM to 4:00 PM, Monday thru Friday
- The contractor shall maintain two 11 foot lanes, one lane in each direction during and after working hours.
- The contractor shall maintain 5-foot clear sidewalk for pedestrians at all times.

#### 2. 71ST AVENUE BETWEEN MYRTLE AVENUE AND 60TH STREET

- Work hours shall be as follows: 7:00 AM to 6:00 PM, Monday thru Friday
- The contractor shall maintain one 12 foot lane for local and emergency traffic during and after working hours.
- The contractor shall maintain 5-foot clear sidewalk for pedestrians at all times.

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

November 14, 2013 Page 2 of 2

OCMC FILE NO: CONTRACT NO: QEC 13-494 HWPLZ009Q

PROJECT:

RECONSTRUCTION OF 715T AVENUE PLAZA

# 3. INTERSECTION OF MYRTLE AVENUE AND 71st AVENUE/STEPHEN STREET

- Work hours shall be as follows: 9:00 AM to 4:00 PM, Monday thru Friday
- The contractor shall maintain on Myrtle Avenue two 12 fool lanes, one lane in each direction and one 12 fool lane for local and emergency traffic on 71st Avenue/Stephen Street during working hours.
- The contractor shall restore full width of the roadway after working hours.
- The contractor shall maintain 5-foot clear sidewalk for pedestrians at all times.

#### C. GENERAL NOTES

- 1. THIS 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 PERFORMED.
- 2. ALL RELOCATION WORK BY THE UTILITIES SUCH AS: CON EDISON, TELEPHONE, GAS AND GABLE 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 STIPULATION. IN WHICH EVENT, THE CONTRACTOR MAY REQUIRE MODIFICATIONS BY THE OCMC-STREETS.
- 4. THE PERMITTEE IS NOT AUTHORIZED TO ENTER, OCCUPY OR USE ANY PUBLICLY-OWNED OR PRIVATELY OWNED, NON-PAVED, LANDSCAPE OR NON-LANDSCAPED LOCATION WITHOUT SPECIFIC WRITTEN PERMISSION. WHEN THE LOCATION IS WITHIN THE RIGHT-OF-WAY OF A LIMITED-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 RECREATION 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 NYCDOT BUREAU 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 ARTERIAL HIGHWAY RIGHT OF WAY.
- 6. NO DEVIATION OR DEPARTURE FROM THESE STIPULATIONS WILL BE PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL FROM THE OCMC-STREETS. REQUEST FOR SUCH MODIFICATIONS SHALL BE SUBMITTED TO THE OFFICE OF THE OCMC-STREETS, NEW YORK CITY DEPARTMENT 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 "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," THE TYPICAL SCHEMES INCLUDED IN THIS SPECIFICATION; 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. THE OCMC-STREETS RESERVES THE RIGHT TO VOID OR MODIFY THESE STIPULATIONS SHOULD CONSTRUCTION FAIL TO COMMENCE WITHIN TWO (2) YEARS OF THE SIGNED DATE OF THESE STIPULATIONS.

10. THE CONTRACTOR MUST COMPLY WITH ALL CONSTRUCTION EMBARGOS ISSUED BY THE NYCDOT INCLUDING THE HOUDAY EMBARGO.

JOSEPH P. NOTO Executive Director

OCMC/STREET

XIOMARÁ AGUILERA

PROJECT MANAGER
OCMC-STREETS

JPN/db



# Department of Transportation

POLLY TROTTENBERG, Commissioner

# OCMC TRAFFIC STIPULATIONS - AMENDMENT # 1

**AUGUST 13, 2014** 

OCMC FILE NO: CONTRACT NO: QEC 13-494 HWPLZ009Q

PROJECT:

RECONSTRUCTION OF 7151 AVENUE PLAZA

LOCATION(S):

71ST AVENUE BETWEEN MYRTLE AVENUE AND 60TH STREET

STIPULATIONS ORIGINALLY DATED **NOVEMBER 14, 2013** GRANTING PERMISSION TO THE **CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION** 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, IS HEREBY AMENDED AS FOLLOWS:

# AMENDED TO REFLECT FULL ROADWAY CLOSURE DURING THE CONSTRUCTION OF ROADWAY PAVEMENT ONLY

# A. MAINTENANCE AND PROTECTION OF TRAFFIC

#### 7157 AVENUE BETWEEN MYRTLE AVENUE AND 60TH STREET

- Work hours shall be as follows: 7:00 AM to 6:00 PM, Monday thru Friday
- The contractor shall place barricades and post signs meeting "Federal Manual of Uniform Traffic Contral
  Devises (MUTCD") Standards stating "Road Closed to Through Traffic" while providing a detour for traffic
  (as per sheet number 28 of the MPT) during working hours. And after working hours the contractor must
  maintain one 12 foot lane for local and emergency traffic.
- The contractor shall maintain 5-foot clear sidewalk for pedestrians at all times.

#### SPECIAL NOTE:

The contractor must notify in writing by letter Police, Fire, EMS, community Boards and all property owners
on the affected street segment a minimum of 7 calendar days prior to closure.

#### B. GENERAL NOTES

- THIS 1S 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 PERFORMED.
- 2. ALL OTHER STIPULATIONS UNDER ORIGINAL NYCDOT STIPULATIONS SHEET QEC13-494 DATED NOVEMBER 14, 2013 WHICH HAVE NOT BEEN CHANGED BY THIS AMENDMENT REMAIN IN EFFECT.
- 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.
- 4. THE CONTRACTOR IS ADVISED THAT OTHER CONTRACTORS MAY BE WORKING IN THE GENERAL AREA DURING THE TERM OF THIS STIPULATION. IN WHICH EVENT, THE CONTRACTOR MAY REQUIRE MODIFICATIONS BY THE OCMC-STREETS,
- 5. THE PERMITTEE IS NOT AUTHORIZED TO ENTER, OCCUPY OR USE ANY PUBLICLY-OWNED OR PRIVATELY OWNED, NON-PAVED, LANDSCAPE OR NON-LANDSCAPED LOCATION WITHOUT SPECIFIC WRITTEN PERMISSION. WHEN THE LOCATION IS WITHIN THE RIGHT-OF-WAY OF A LIMITED-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 RECREATION 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.
- 6. THE PERMITTEE SHALL ADHERE TO THE NYCDOT BUREAU 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 ARTERIAL HIGHWAY RIGHT - OF - WAY.
- 7. NO DEVIATION OR DEPARTURE FROM THESE STIPULATIONS WILL BE PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL FROM THE OCMC-STREETS. REQUEST FOR SUCH MODIFICATIONS SHALL BE SUBMITTED TO THE OFFICE OF THE OCMC-STREETS, NEW YORK CITY DEPARTMENT OF TRANSPORTATION, A MINIMUM OF TWENTY (20) DAYS IN ADVANCE FOR CONSIDERATION.

# **NYC Department of Transportation**

**Bureau of Permit Management and Construction Control** 

55 Water Street - 7th Floor, New York, NY 10041

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www.nyc.gov/dot

#### **AMENDMENT #1**

OCMC FILE NO:

QEC 13-494

CONTRACT NO: PROJECT:

HWPLZ009Q

RECONSTRUCTION OF 71ST AVENUE PLAZA

August 13, 2014 Page 2 of 2

- 8. 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 "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," THE TYPICAL SCHEMES INCLUDED IN THIS SPECIFICATION; AND AS ORDERED BY THE ENGINEER-INCHARGE AND THE OCMC-STREETS.
- 9. 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.
- 10. 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 NYCDOT PLANNING AND OBTAIN THEIR APPROVAL BEFORE APPLYING FOR PERMITS, IN COMPLIANCE WITH THE PROVISIONS OF LOCAL LAW 24 STREET CLOSURE LAW.
- 11. THE OCMC-Streets reserves the right to void or modify these stipulations should construction fail to commence within two (2) years of the signed date of these stipulations.

12. THE CONTRACTOR MUST COMPANYITH ALL CONSTRUCTION PMBARGOS ISSUED BY THE NYCDOT INCLUDING THE HOLIDAY EMBARGO.

JOSEPH P. MOTO

EXECUTIVE DIRECTO

OCMC-STREETS

XIOMARA AGUILERA

PROJECT MANAGER
OCMC-STREETS



# 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 venovation 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.

# 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.





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 has awarded a construction contract to	(Contractor)	(the "Agency")
(the "Contractor") for work to	be performed at	(Contract
a. This Agency has approved the follow Contractor for the temporary storage, process construction materials (the "Stockpiling Loc construction site or intended for the construc-	ssing and/or stockpilications") excavated fi	ng of
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- b. The terms of the contract require the Contractor to clean up and restore the Stockpiling Locations, whether on or off the contract site, at or before the completion of the contract work.
- 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

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.

#### ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: HWPLZ009Q

**RECONSTRUCTION OF** 

71ST AVENUE PLAZA
(BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto BOROUGH OF QUEENS

ADDENDUM NO. 2

DATED: February 20, 2015

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 And Water Main Specifications of the Department of Environmental Protection (dated July 1, 2014), Sewer Design Standards of the Department of Environmental Protection (dated (September 2007) Revised January 2009), Water Main Standard Drawings of the Department of Environmental Protection (latest revisions), Specifications For Trunk Main Work of the Department of Environmental Protection (dated July 2014) 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 AND WATER MAIN SPECIFICATIONS
- D. AMENDMENTS TO THE SPECIFICATIONS FOR TRUNK MAIN WORK

#### PROJECT ID.: HWPLZ009Q

#### A. NOTICE TO BIDDERS

(1) (A) The Contractor is advised that copies of the Standard Sewer And Water Main Specifications (dated July 1, 2014), Sewer Design Standards (dated (September 2007) Revised January 2009), Specifications For Trunk Main Work (dated July 2014) 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 a Notice To Proceed (NTP) date will be issued for work to commence within twenty-one (21) to thirty (30) days of Contract 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 Sewer And Water Main Specifications of the Department of Environmental Protection (dated July 1, 2014), the Water Main Standard Drawings of the Department of Environmental Protection (latest revisions), the Specifications For Trunk Main Work (dated July 2014), and the contract drawings, shall be replaced with Bolted Split-Sleeve Restrained Coupling.
- (8) The Contractor is notified that wherever the Item No. "6.52" and words "flagger", "flagperson" and "flagman" are used in the contract documents and drawings it shall mean the Item No. "6.52 CG" and the words "Crossing Guard", respectively.

(9) The Contractor is notified that the fuel cost per gallon used in the formula under **Sub-Article 26.2.8** of the Standard Construction Contract for **Extra Work** will be derived from the fuel price index for the United States East Coast published weekly by the United States Energy Information Administration ("USEIA"), and available on its website at <a href="http://www.eia.gov/petroleum/gasdiesel/">http://www.eia.gov/petroleum/gasdiesel/</a>. The USEIA published cost per gallon for the applicable fuel on the East Coast for the week in which the first day of each calendar quarter during the contract term occurs (i.e., January 1st, April 1st, July 1st and September 1st) will be used in the reimbursement formula for all **Extra Work** invoiced that was performed during that calendar quarter. Should the USEIA stop publishing this fuel price index, the fuel cost per gallon will be determined by reference to a substitute index to be agreed upon by the Contractor and the City.

(10)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.

(11)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. ADDENDUM NO. 2 PROJECT ID.: HWPLZ009Q

## **B. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS**

(NO TEXT)

ADDENDUM NO. 2 PROJECT ID.: HWPLZ009Q

#### C. AMENDMENTS TO THE STANDARD SEWER AND WATER MAIN SPECIFICATIONS

- (1) Refer to Subsection 10.15 Notice To Utility Companies, Etc., To Remove Structures Occupying Place Of Sewers, Water Mains Or Appurtenances, Page I-11:

  Add the following to Subsection 10.15:
  - (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 Ms. Theresa Kong at (212) 460-4834.

#### (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. Joseph Maresca at (718) 977-8135.

(3) TIME WARNER CABLE OF NEW YORK CITY

There are TIME WARNER CABLE facilities in the area of construction. The Contractor shall notify TIME WARNER CABLE at least seventy-two (72) hours prior to the start of construction by contacting Mr. John Piazza at (718) 888-4261.

(4) NATIONAL GRID

There are NATIONAL GRID facilities in the area of construction. The Contractor shall notify NATIONAL GRID at least seventy-two (72) hours prior to the start of construction by contacting Mr. Neville Jacobs Jr. at (718) 963-5612.

- (2) <u>Refer</u> to Subsection 10.21 Contractor To Notify City Departments, Page I-13: <u>Add</u> the following to Subsection 10.21:
  - (1) N.Y.C. D.E.P., BUREAU OF WATER AND SEWERS OPERATIONS

The Contractor shall notify Mr. James Garin, P.E., Director, 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. Ed Durkin at (718) 624-4194 or (718) 624-3752.

(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. Jimmy Mui at (718) 393-7240.

(5) N.Y.C. TRANSIT AUTHORITY

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.

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

- (3) Refer to Subsection 10.30 Contractor To Provide For Traffic, Page I-15: Add the following to Subsection 10.30:
  - (1) Traffic Stipulations:

The Contractor shall refer to Traffic Stipulations identified in the maintenance of traffic requirements under Highway Contract No. HWPLZ009Q.

- (4) Refer to Subsection 71.41.4 Specific Pavement Restoration Provisions, Page VII-67: Add the following to Subsection 71.41.4:
  - (E) Specific Pavement Restoration Provisions:
    - (1) Highway and roadway reconstruction shall be accomplished and paid for in accordance with Highway Construction Plans, Details and Specifications for Highway Project ID. HWPLZ009Q.
    - (2) In street areas requiring sewer and water main work outside the limits of highway reconstruction (along portions of 71<sup>st</sup> Avenue and Myrtle Avenue) the restoration shall be as follows:
      - (A) In Streets requiring overlay:
        - (a) The permanent restoration over the trench width and cutbacks only shall consist of a top course of one and one-half (1-1/2) inches of binder mixture on a base course of a minimum of four and one-half (4-1/2) inches of binder mixture, or 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 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.
      - (B) In Streets Not Requiring Overlay:
        - (a) The permanent restoration over the trench width and cutbacks only shall consist of a top course of one and one-half (1-1/2) inches of asphaltic concrete wearing course on a base course of a minimum of four and one-half (4-1/2) inches of binder mixture, or a top course of one and one-half (1-1/2) inches of asphaltic concrete wearing course on a minimum of one and one-

half (1-1/2) inches of binder mixture on a base course of a minimum of six (6) inches of concrete, to match the existing pavement as directed by the Engineer.

- (3) The following requirements apply to subsection (2) above only:
  - (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 71.21 Pavement Excavation** of the Standard Sewer And Water Main Specifications.
  - (c) At locations requiring the installation of a concrete base course, a reflective cracking membrane shall be installed over joints prior to restoration, the cost of which shall be deemed included in the prices bid for all pavement restoration items. 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 Proctor analyses, in-place soil density tests, tack coating, eradication of temporary roadway markings, stripping or milling of pavement keys and adjustment of city-owned castings for all roadway work 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 placement of permanent 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).
  - (i) Payment for pavement restoration shall be made under the following items:

<u>Item No.</u> 4.02 AF-R	Item Asphaltic Concrete Wearing Course, 2" Thick	Payment Description  (For 2" asphaltic concrete wearing course overlay from curb to curb or edge to edge.)
4.02 AG	Asphaltic Concrete Wearing Course, 3" Thick	(For asphaltic concrete wearing course top course when <u>no</u> overlay is required.)
4.02 CB	Asphaltic Concrete (Binder) Mixture	(For binder mixture base course over trenches and cutbacks; binder mixture top filler course under asphaltic concrete wearing course when <u>no</u> overlay is required; 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

#### **ADDENDUM NO. 2**

**PROJECT ID.: HWPLZ009Q** 

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.)

#### D. AMENDMENTS TO THE SPECIFICATIONS FOR TRUNK MAIN WORK

1) Refer to Part 1 – Furnishing And Delivering Steel Pipes And Appurtenances 30 Inches In Diameter And Larger, Paragraph 13. Special Fittings:, Page 5; Add the following to Paragraph 13:

The steel reducer shall have a length of seven (7) feet for every twelve (12) inches reduction in diameter.

END OF ADDENDUM NO. 2
This Addendum consists of nine (9) pages.

**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: HWPLZ009Q

RECONSTRUCTION OF

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

**Together With All Work Incidental Thereto** 

BOROUGH OF QUEENS 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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#### 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 includes bid items, specifications and estimated quantities designed to fully compensate him/her for the incremental costs of supporting, protecting, providing accommodations and, avoiding 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, <u>except</u> 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:

These items 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.

#### 6. 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.

#### 2. 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.

#### 2. 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:

04/23/15

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, 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 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 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 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.

#### 2. 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.

#### 6. 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 as allowable by OSHA, maximum up to five (5) feet 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 measured from existing street surface to the bottom of the trench excavation 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 directed by 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

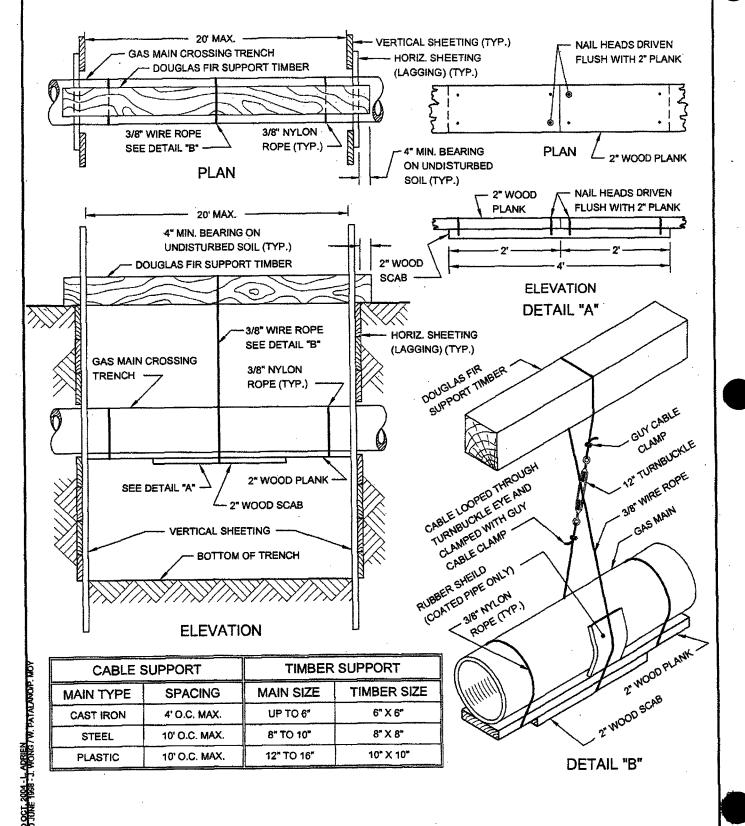
- \$524.00 per Service/and Visit

## IV - STANDARD SKETCHES; GAS COST SHARING WORK

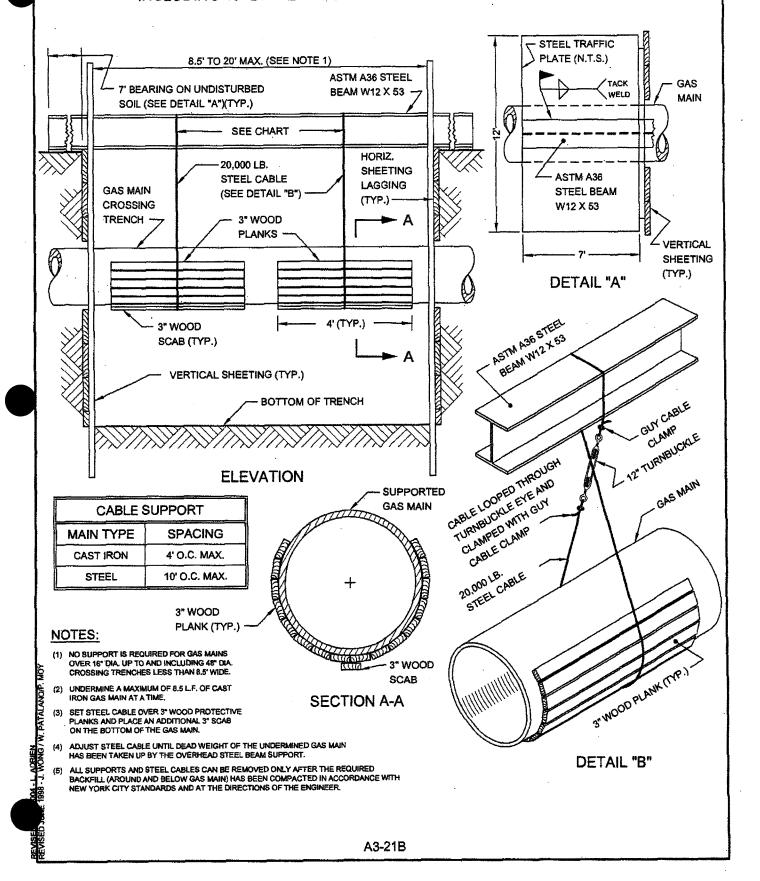
Hereinafter attached are the following Standard Sketches for Gas Cost Sharing Work:

- 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

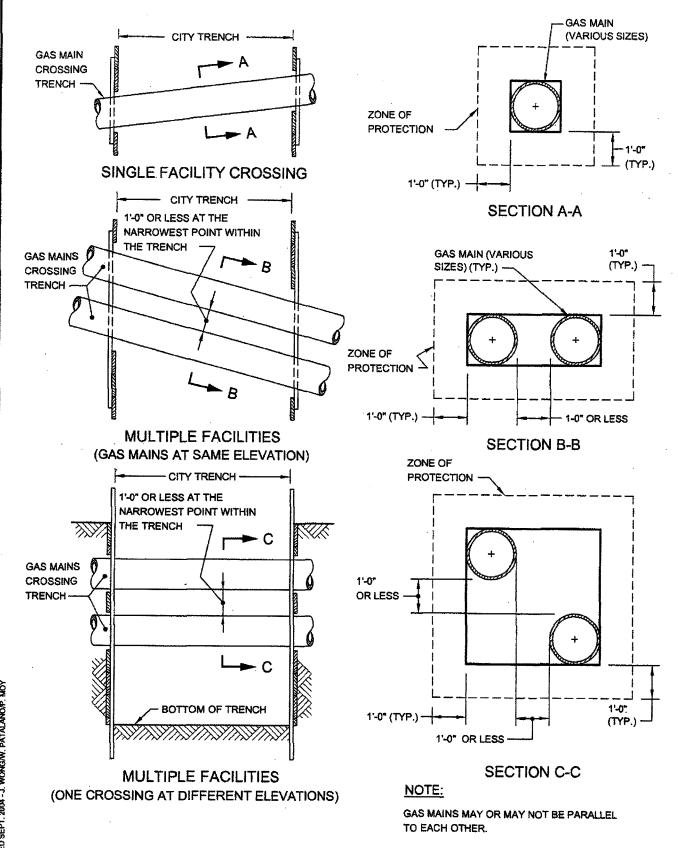
# GAS COST SHARING WORK (SKETCH NO. 1) SUPPORT REQUIREMENTS FOR GAS MAINS AND SERVICES CROSSING EXCAVATION GREATER THAN 4'-0" WIDE AT ANY ANGLE



# 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

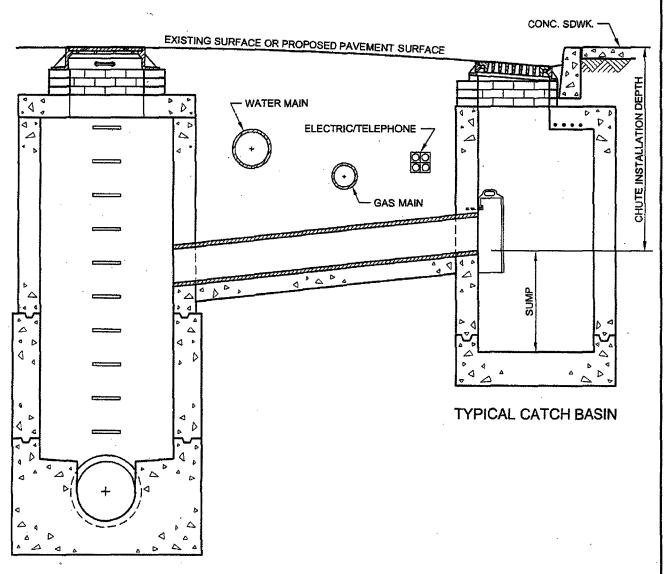


# GAS COST SHARING WORK (SKETCH NO. 2) TYPICAL METHODS OF MEASUREMENT FOR GAS CROSSINGS



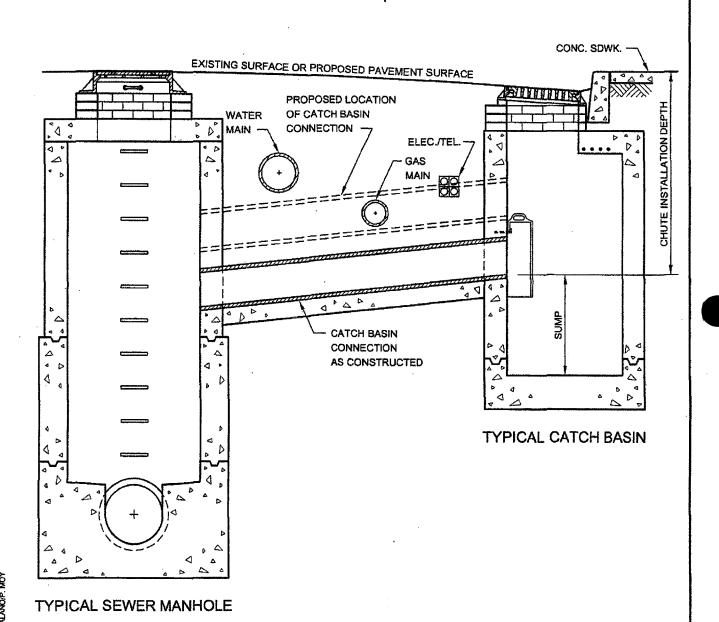
#### GAS COST SHARING WORK (SKETCH NO. 3)

UTILITY CROSSINGS DURING CATCH BASIN CHUTE CONNECTION PIPE INSTALLATION



TYPICAL SEWER MANHOLE

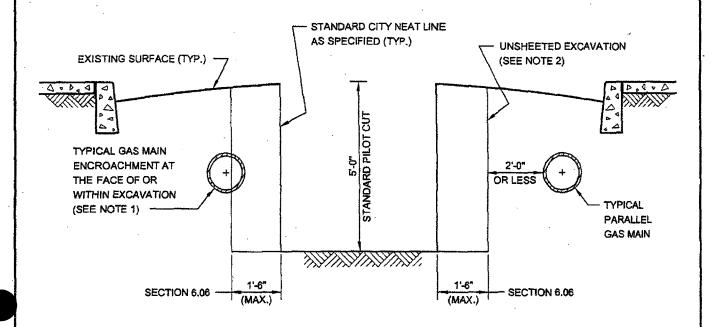
# GAS COST SHARING WORK (SKETCH NO. 4) UTILITY CROSSINGS DURING CATCH BASIN CHUTE CONNECTION PIPE INSTALLATION (EXTRA DEPTH)



A3-21E

#### 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:

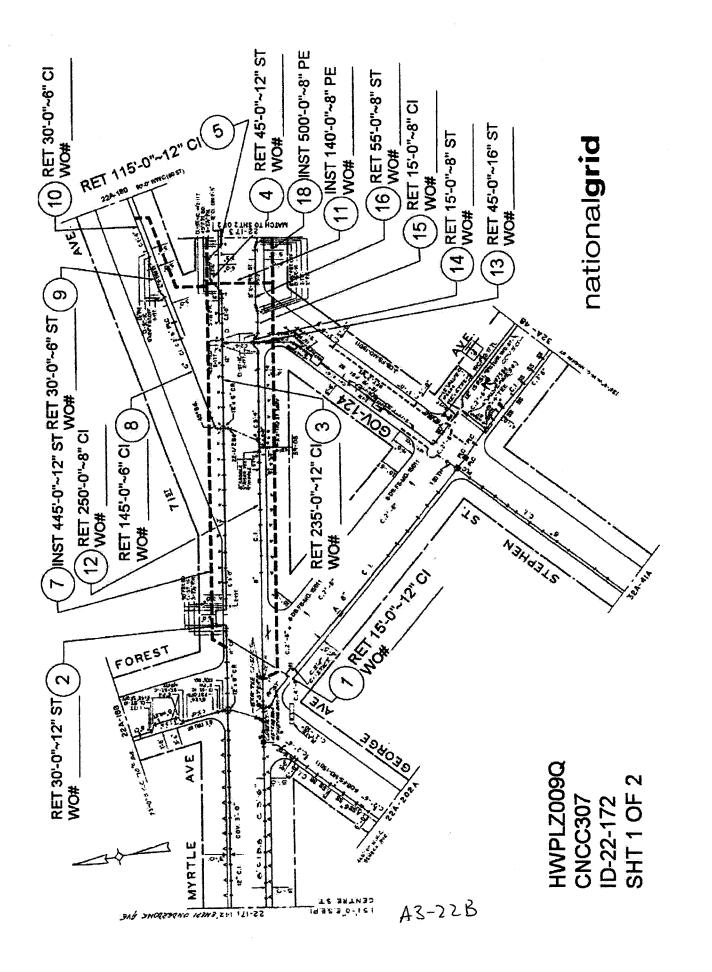
- ALL RELOCATION WORK SHOWN IN THIS ADDENDUM IS TO BE PERFORMED BY FACILITY OPERATOR.
- ALL SUPPORT AND PROTECTION WORK TO BE PERFORMED BY CITY CONTRACTOR
- IF ADDITIONAL INFORMATION IS NEEDED REGARDING THE FACILITY OPERATOR RELOCATION WORK, THE CONTRACTOR IS ADVISED TO CONTACT THE GAS COMPANY REPRESENTATIVE:

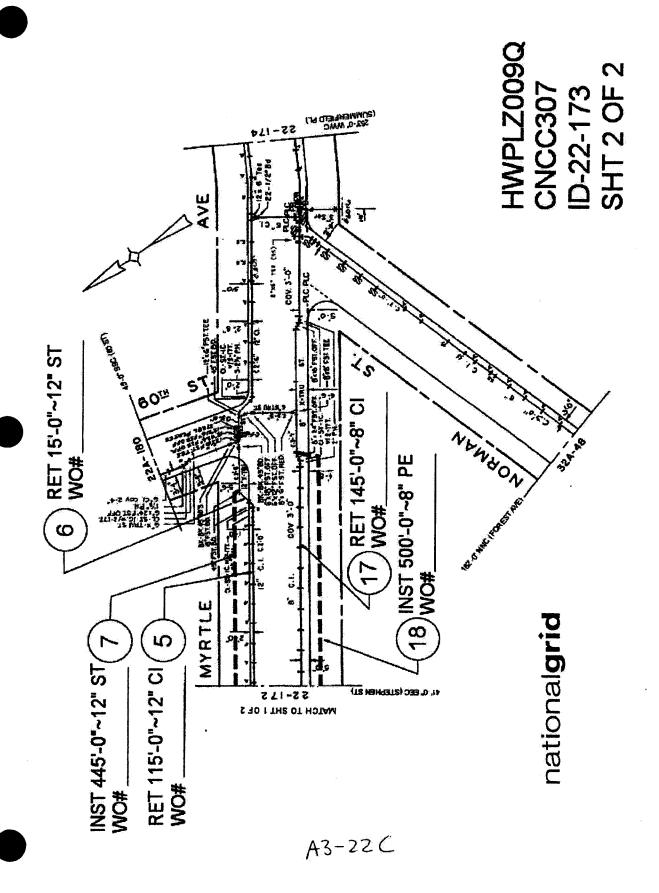
NATIONAL GRID 287 MASPETH AVENUE BROOKLYN, NY 11211 TEL.: 718-963-5506

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# <u>VI - LISTING OF APPROXIMATE LOCATIONS OF EP-7 BID ITEMS QUANTITIES</u>

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#### SCOPE OF WORK SUPPORT AND PROTECTION FOR CONTRACT NUMBER HWPLZ009Q

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 Myrtle Ave. @ 71 Ave.

6.01.9 - Support & Protect Gas Main Crossing Water Main Up To 20" In Diameter (Ea.)

1 in Myrtle Ave. @ 71 Ave.

2 in Myrtle Ave. @ Stephen St...

6.03 - Removal Of Abandoned Gas Facilities. All Sizes (L.F.)

800 in Various Locations As Required

6.03.1 - Removal Of Abandoned Gas Facilities With Possible Coal Tar Wrap. All Sizes. (For National Grid Work Only) (L.F.)

300 in Various Locations As Required

6.04 - Adjust Hardware To Grade Using Spacer Rings / Adaptor (Street Repaving) (Ea.)

5 in Various Locations As Required

6.05 - Adjust Hardware To Grade By Resetting (Road Reconstruction) (Ea.)

5 in Various Locations As Required

6.06 - Special Care Excavation & Backfilling (C.Y.)

200 CY 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.)

10 in Various Locations As Required.

END OF ADDENDUM NO. 3

This addendum consists of thirty-three (33) pages.

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. 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, ¶3, 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.
- C. Section U, ¶13, 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; and/or Articles 10.15 through 10.18 of the Standard Sewer and Water Main Specifications of the New York City Department of Environmental Protection, Dated July 1, 2014; as applicable, are amended and will be implemented as follows:

#### 1. Means and methods for City work:

- a) The Contractor is hereby notified that the utility interferences 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 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 electric operators in order to avoid damaging the insulation or shielding of these lines and also to prevent knocking them down.

#### 2. 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 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.

#### 3. 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, and at known locations of City contract work, 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.

#### 4. Interference Agreement:

1. 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 for Types of Interferences encountered on this Contract in accordance to the Private Utilities reference document for SECTION U called "CET SPECIFICATIONS AND SKETCHES", dated November 2010, copy of which is available on demand.

2. The Contractor shall notify the City upon concluding an Interference Agreement with each of the Companies.

#### 5. 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 shall issue a written "48 Hours notice to Public Corporation" as prescribed by the City of New York Administrative Code", commonly referred to as "Order-Outs" and 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. 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 9.
- 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 or delay claims against the City. 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 9.
- 4. The contractor will notify the Resident Engineer when 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 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).

#### 6. 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 4, provides for the scope of work encountered.
- 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 5, 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.

#### 7. Means and Methods for utility work:

Upon receipt of the Company's determination pursuant to paragraphs 6.2, or 6.4, 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.

#### 8. Disputed utility work covered by a utility agreement:

The City Work will continue as described in paragraph 5 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 9. 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.

#### 9. 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 8.
- (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.
- (1) 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.

#### 10. 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.

#### 11. 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.

#### 12. 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 or any delays cost cause by such 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.

#### 13. 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.

Section U March 9, 2015

#### 14. 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.

#### 15. Facility operators:

The insurance requirements in Paragraph 11 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
Sincerely,
By: Authorized Company Representative
Title
NOTARY PUBLIC
CERTIFIED AS TO FORM AND LEGAL AUTHORITY:
By:

#### SCHEDULE U-1

#### HWPLZ009Q

#### MYRTLE AVENUE AND 71st AVENUE PLAZA

SCHEDULE U-1	LISTING OF COMPANIES NAMED FOR THIS CONTRACT
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COMPANY NAME	CONTACT NAME	CONTACT TELEPHONE
CON EDISON	THERESA KONG	212-460-4834
VERIZON	AUBREY MAKHANLALL	718-977-8165
TIME WARNER	JOHN PIAZZA	718-888-4261

### **SECTION U-3**

(NO TEXT IN THIS SECTION)

PROJECT ID: HWPLZ009Q

END OF ADDENDUM No. 4
This Addendum consists of Sixteen (16) pages



# INFRASTRUCTURE DIVISION BUREAU OF DESIGN

#### VOLUME 3 OF 3

PROJECT ID: HWPLZ0090

RECONSTRUCTION OF

71ST AVENUE PLAZA (BETWEEN MYRTLE AVENUE AND 71 ST AVENUE)

INCLUDING WATER MAIN, SEWER, CURB, SIDEWALK, PLAZA LANDSCAPING, STREET LIGHTING AND TRAFFIC WORK

Together With All Work Incidental Thereto

BOROUGH OF QUEENS CITY OF NEW YORK

	Contractor.
Dated	. 20