

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

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

VOLUME 1 OF 3

LAW

BID BOOKLET

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

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

FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PREPARED BY IN-HOUSE DESIGN

June 24, 2015



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Bid Tab

Description	INSTALLATION OF AND APPURTENAN ASTORIA AREA-BO	NCES IN LONG ISL	AND CITY AND
Bid Date	9/16/2015	FMS ID	QED1005
Estimated Cost	\$37,319,874.00	Client Agency	DEP
Bid Security	Not less than 2% of Total Bid Price	PLA	No
Time Allowed	545 CCD	Contract Manager	Giovanni Matos
Addendum	6	Project Manager	Rawal, Aniruddh
PIN	8502015WM0029C	E-PIN	85015B0185
Selective Bidding	□Yes ⊠No	Consultant	In-House
Bid Rank	Vendor	Bid Amou	nt Security Type
1 TULLY C	ONSTRUCTION CO.	INC. \$30,735,29	9.60 Bond
2 P&TII (CONTRACTING COR	P. \$31,248,49	93.29 Bond
3 MASPET	H SUPPLY CO, LLC	\$33,180,01	11.75 Bond
4 LAWS CO	ONSTRUCTION COR	P. \$34,828,00	00.00 Bond
5 C.A.C. IN	DUSTRIES, INC.	\$37,821,0	73.41 Bond
6 RESTAN	I CONSTRUCTION C	ORP. \$40,999,4	69.00 Bond
7 EIC ASS	OCIATES, INC.	\$42,202,2	55.00 Bond
8 E.E. CRU	JZ & COMPANY, INC	s47,744,2	70.50 Bond
9 BEDFOR CONSTR	RD/CARP RUCTION INC.	\$48,448,4	48.48 Bond
10 TRIUMI CORP.	PH CONSTRUCTION	\$50,495,0	96.08 Bond
Pacarder: Brend	a Barriero ext. 1041	Approver:	mine Jun

Recorder: Brenda Barriero ext. 1041

Bid Tab

Pin: 8502015WM0029C



Dr. Feniosky Peña-Mora Commissioner

Charlette Hamamgian, Esq. Agency Chief Contracting Officer Lorraine Holley Deputy ACCO Competitive Sealed Bid Contracts

April 15, 2016

CERTIFIED MAIL - RETURN RECEIPT REQUEST TULLY CONSTRUCTION CO. INC. 127-50 NORTHERN BLVD. FLUSHING, NY 11368

RE:

FMS ID: QED1005

E-PIN: 85015B0185001

DDC PIN: 8502015WM0029C

INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREA-BOROUGH

OF QUEENS

NOTICE OF AWARD

ear Contractor:

You are hereby awarded the above referenced contract based upon your bid in the amount of \$30,735,299.60 submitted at the bid opening on September 16, 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, 1st 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.



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

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

Sincerely,

Lorraine Holley



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,

710-201-2601

Lorraine Holley

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: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

Together With All Work Incidental Thereto BOROUGH OF QUEENS

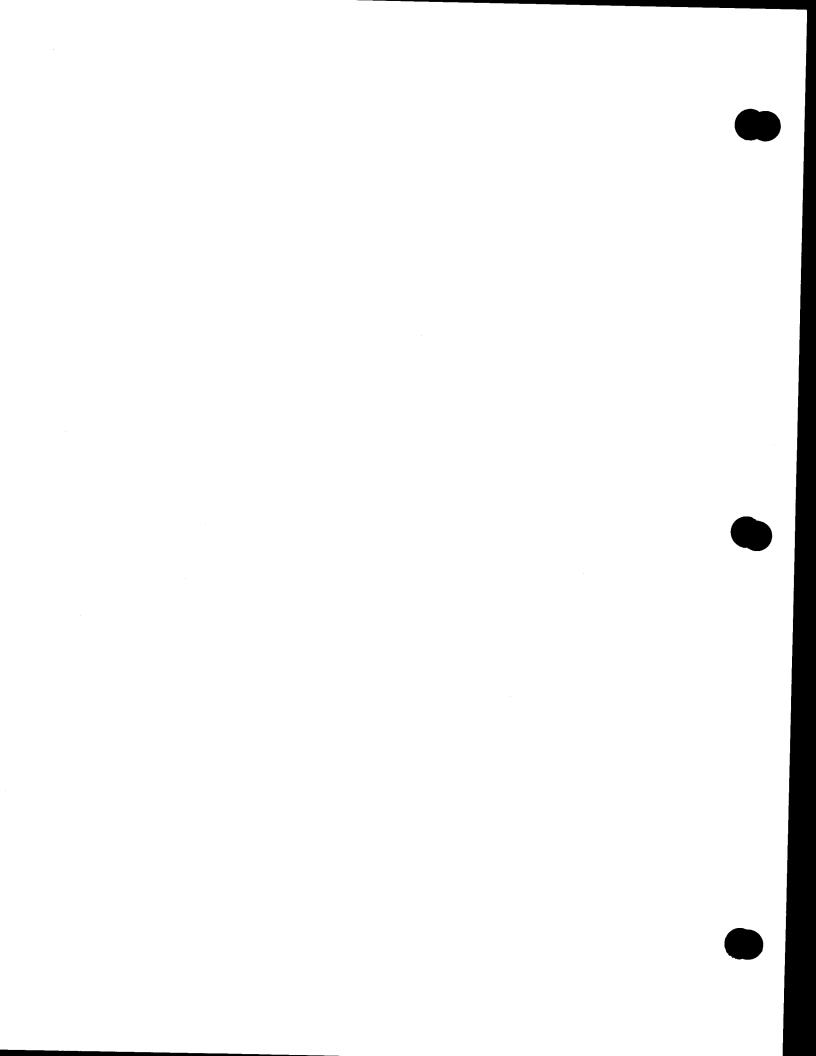
boxocon of the control of the contro
Name of Bidder: Tully Construction to Inc
Date of Bid Opening: September 16, 2015
Bidder is: (Check one, whichever applies) Individual () Partnership () Corporation
Place of Business of Bidder: 12750 Northern Blvd. + 105hing 11 11 1568
Bidder's Telephone Number: (718) 446-7600 Fax Number: (718) 446-60 72
Bidder's E-Mail Address: ptuly construction. com
Residence of Bidder (If Individual):
If Bidder is a Partnership, fill in the following blanks:
Names of Partners Residence of Partners
If Bidder is a Corporation, fill in the following blanks:
Organized under the laws of the State of New YORK
Name and Home Address of President: Peter K Tully
374 Frost Ureek Drive, Lating word 129
Name and Home Address of Secretary: Kenneth W TULY
7536 West Shore Rd. Fort Washington, Ny 11000
Name and Home Address of Treasurer: James M. July 11 791
28 Shady Lane, Lance 1 to 110 W, 19 1 BID BOOKLET DECEMBER 2013
DEPARTMENT OF DESIGN AND CONSTRUCTION

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 the bid).



Compliance Report 6.

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.

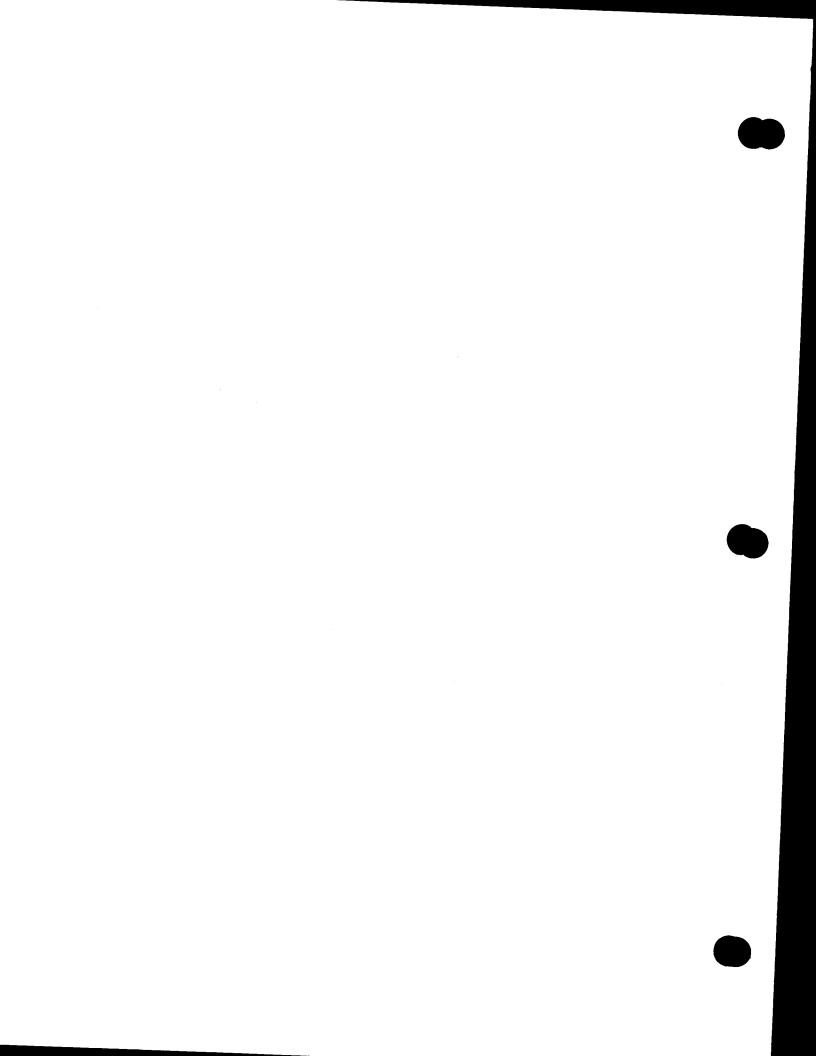
The bidder, as an individual, or as a member, partner, director, or officer of the bidder, if the same be a firm, partnership, or corporation, executes this document expressly warranting that he will comply with: (1) the provision of the contract on providing records, Chapter 8.

- 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.
- 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.
- 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:
- M/WBE UTILIZATION PLAN: 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.

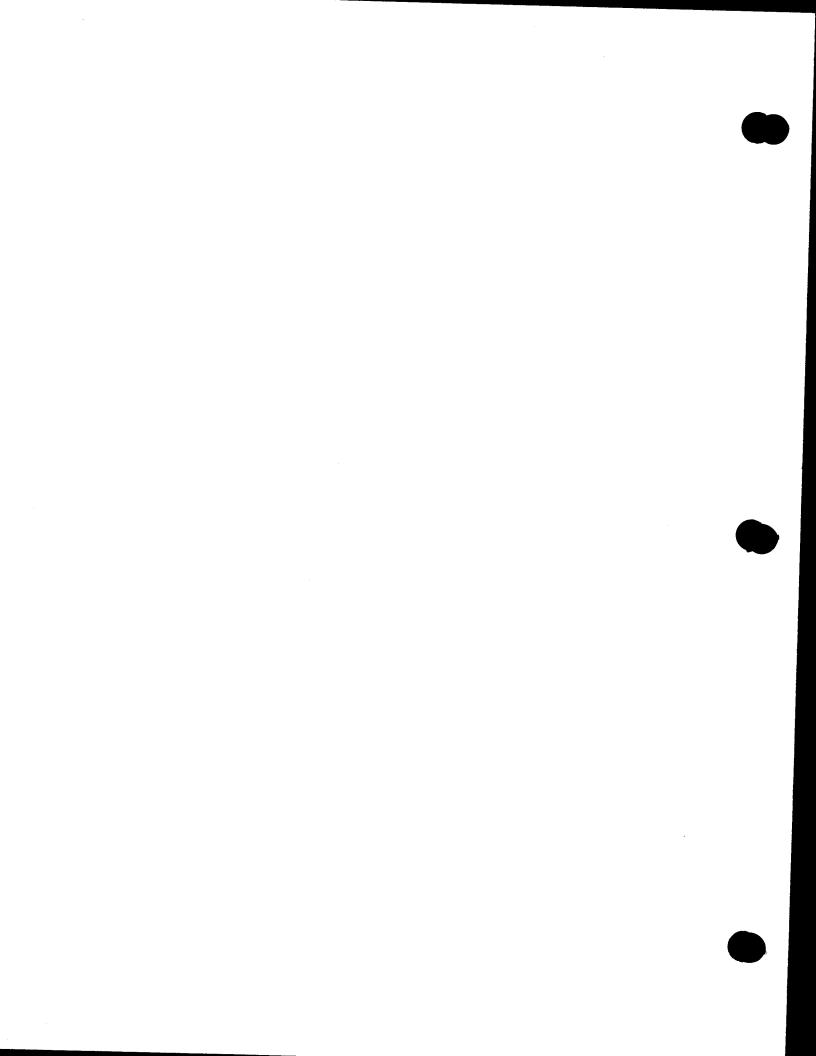
Section V: Vendor Certification and Required Affirmations:

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
- 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.



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BID FORM

PROJECT ID: QED1005

<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) \$30,735,299.60 BB 9/16/15

BIDDER'S SIGNATURE AND AFFIDAVIT

Bidder: Tully Construction Co. Inc.

By: Signature of Partner or corporate officer) Peter K. Tully-President Kenneth W. July-Secretary

Attest: (Corporate Seal)

Corporate Seal)

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

TATE OF NEW YORK, COUNTY OF	being duly sworn says:
am the person described in and who executed the fo	oregoing bid, and the several matters therein stated are in all
espects true.	
•	
	(Signature of the person who signed the Bid)
ubscribed and sworn to before me this	% - 7
day of	
Notary Public	
	A DESCRIPTION OF THE PROPERTY
AFFIDAVIT WHER	RE BIDDER IS A PARTNERSHIP
	ss:
STATE OF NEW YORK, COUNTY OF	being duly sworn says:
	the firm described in and which executed the forego
I am a member of	ehalf of the firm, and the several matters therein stated are in a
bid. I subscribed the name of the first discrete	
respects true.	
	(Signature of Partner who signed the Bid)
	(Signature of Farance wife angular
Subscribed and sworn to before me this	
day of,	
Notary Public	
1100m J = 000 m	
, , , , , , , , , , , , , , , , , , ,	RE BIDDER IS A CORPORATION
STATE OF NEW YORK, COUNTY OF QUE	0.0.05
STATE OF NEW YORK, COUNTY OF	being duly sworn says
of the	e above named corporation whose name is subscribed to and v
Tam the Voes total	Tract Licopy Dr. 10. Latting Town 1 PM
executed the foregoing	ested and they are in all respects true.
I have knowledge of the several matters dictorial	aled, and mey are my
executed the foregoing bid. I reside at 3+11 F I have knowledge of the several matters therein sta	tated, and they are may be
I have knowledge of the several matters under the	
I have knowledge of the several district	(Signature of Partner who signed the Bid)
Subscribed and sworn to before me this	(Signature of Partner who signed the Bid)
I have knowledge of the several district	(Signature of Partner who signed the Bid)
Subscribed and sworn to before me this	(Signature of Partner who signed the Bid) DESPINA PHILIPS Notary Public, State of New York
Subscribed and sworn to before me this A day of September, 2015	(Stgradure of Partner who signed the Bid) DESPINA PHILIPS Notary Public, State of New York No. 01PH5003152 Outliffed in Queens County 2
Subscribed and sworn to before me this	(Signature of Partner who signed the Bid) DESPINA PHILIPS Notary Public, State of New York
Subscribed and sworn to before me this	OESPINA PHILIPS Notary Public, State of New York No. 01PH5003152 Qualified in Queens County Commission Expires Oct. 19, 20
Subscribed and sworn to before me this A day of September , 2015	(Stgradure of Partner who signed the Bid) DESPINA PHILIPS Notary Public, State of New York No. 01PH5003152 Outliffed in Queens County 2

AFFIRMATION

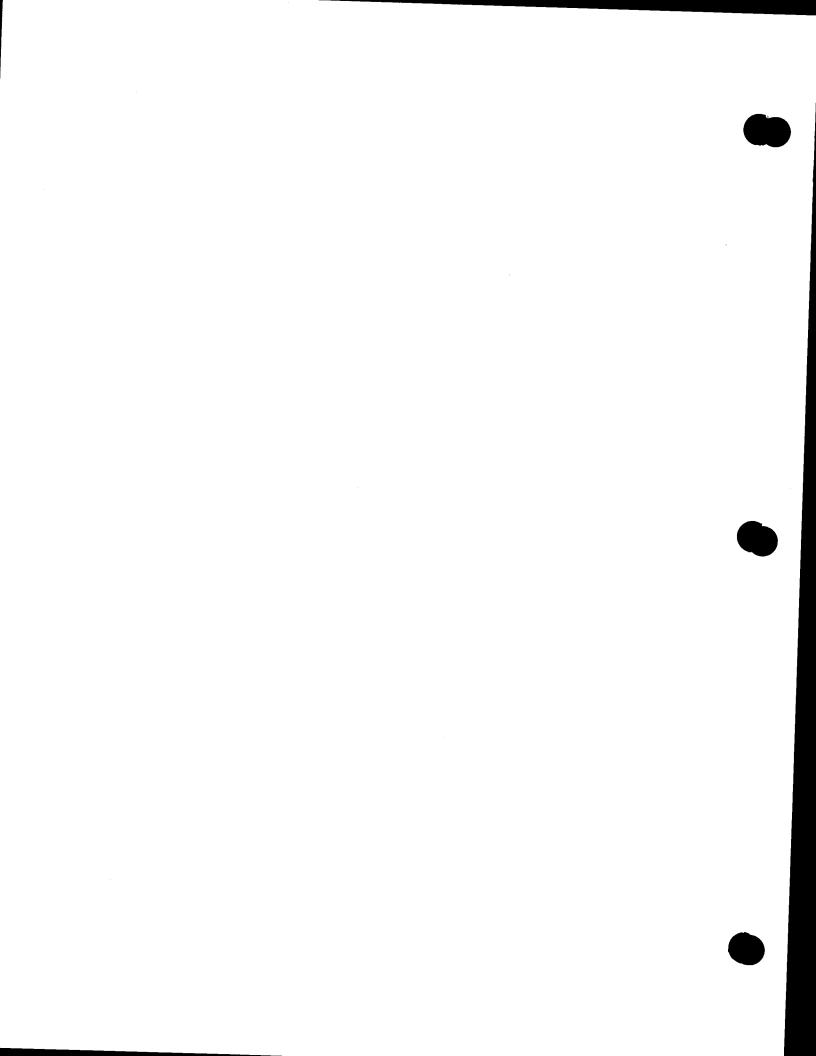
PROJECT ID: QED1005

contract or tax	ed bidder affirms and declares that said bidder is not in arrears to the City of New York upon debt es and is not a defaulter, as surety or otherwise, upon obligation to the City of New York, and has red not responsible, or disqualified, by any agency of the City of New York, nor is there any adding relating to the responsibility or qualification of the bidder to receive public contracts except
proceeding per	
***************************************	Mone
(If none, the b	idder shall insert the word "None" in the space provided above.)
Full Name of	
Address:	Zip Code 11 368
City Flue	ning (
CHECK ON	BOX AND INCLUDE APPROPRIATE NUMBER:
<u>/_</u> / A-	Individual or Sole Proprietorship* SOCIAL SECURITY NUMBER
В-	Partnership, Joint Venture or other unincorporated organization EMPLOYER IDENTIFICATION NUMBER
C-	Corporation EMPLOYER IDENTIFICATION NUMBER
×	11-3453724
.	18/1:
By:S	ignature / Stage Tully
Title:	President
	cornoration, place seal here

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 SCHEDULE

NOTICE TO BIDDERS

Items listed in this Bid Schedule which have one (1) digit followed by a decimal (e.g. 4.02 AG), excluding items beginning with the number "8.01", shall comply with the requirements of the corresponding numerical Sections of the NYCDOT Standard Highway Specifications as amended by Addendum No. 1 and Addendum No. 2, herein Volume 3 of 3.

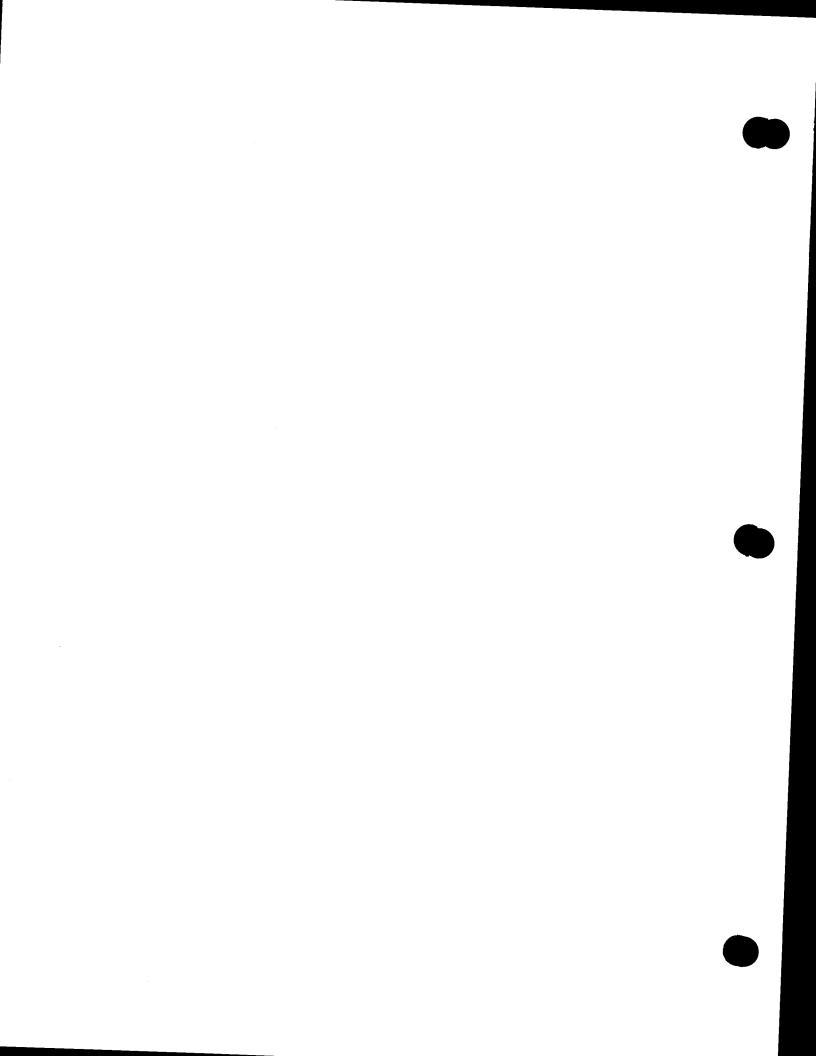
Items listed in this Bid Schedule which have two (2) digits beginning with the number "5" followed by a decimal (e.g. 50.31CC15) shall comply with the requirements of the New York City Department of Environmental Protection (NYCDEP) Standard Sewer and Water Main Specifications dated July 1, 2014, as amended by Addendum No. 2, herein Volume 3 of 3.

Items listed in this Bid Schedule which have two (2) digits beginning with the number "6" followed by a decimal (e.g. 60.11R612) 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.

Items listed in this Bid Schedule which have two (2) digits beginning with the number "7" followed by a decimal (e.g. 70.31FN) 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.

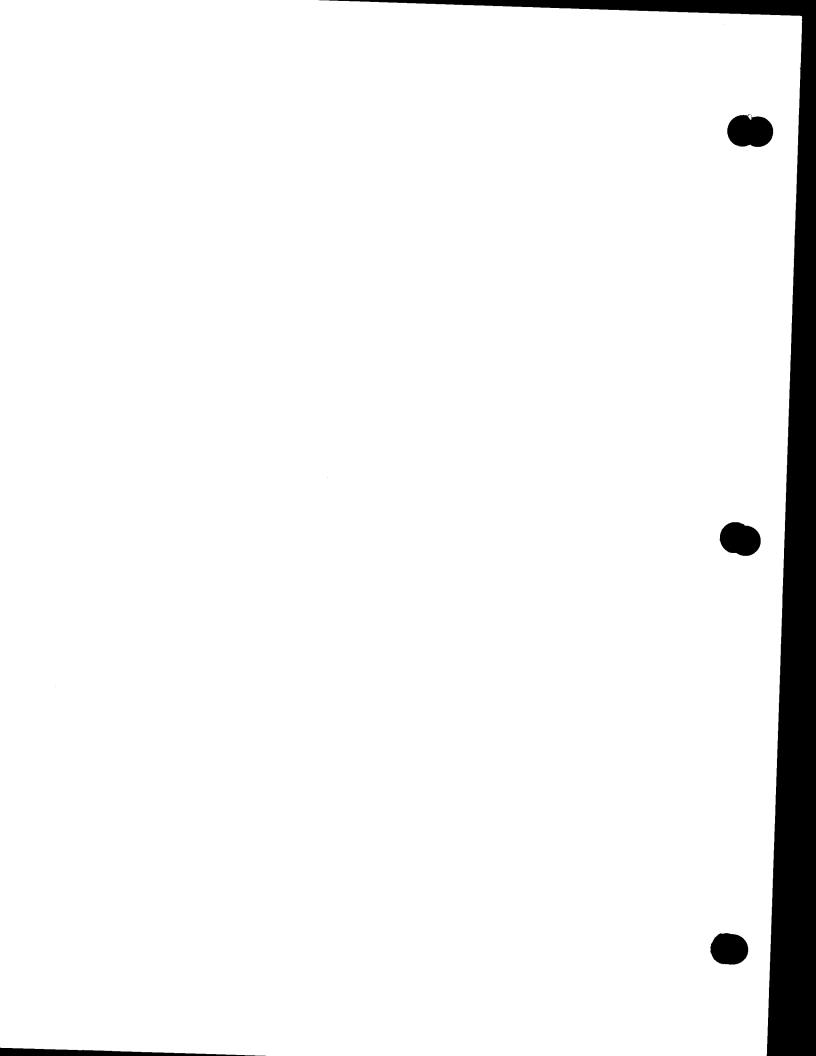
Items listed in this Bid Schedule beginning with the prefix "T-" (e.g. T-2.15) are Traffic Items which shall be done in accordance with the requirements of Sub-Section 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications.

Items listed in this Bid Schedule beginning with the prefix "UTL-" (e.g. UTL-6.01.8) are for Gas Cost Sharing (EP-7) work and shall comply with the requirements of Addendum No. 3, herein Volume 3 of 3.



Project ID: QED1005

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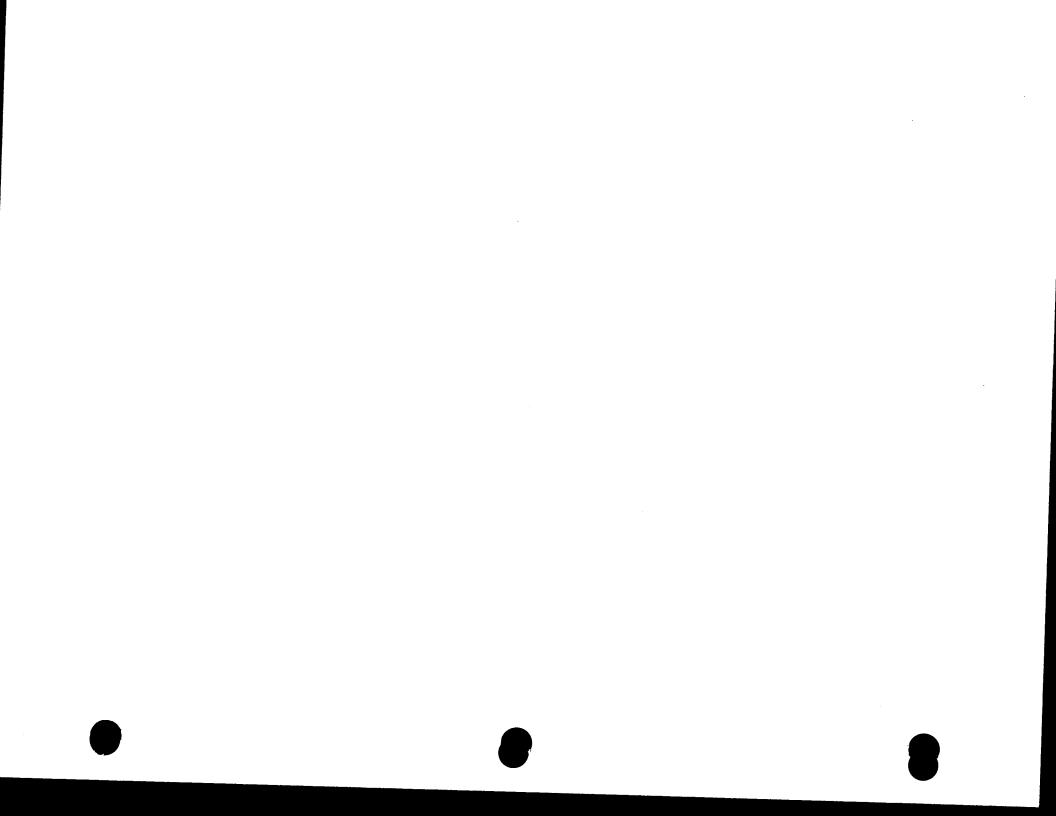
CONTRACT PIN: 8502015WM0029C

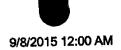
PROJECT ID: QED1005

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 [REVISION # 1] Through B - 30 [REVISION # 1]

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: QED1005

CONTRACT PIN: 8502015WM0029C

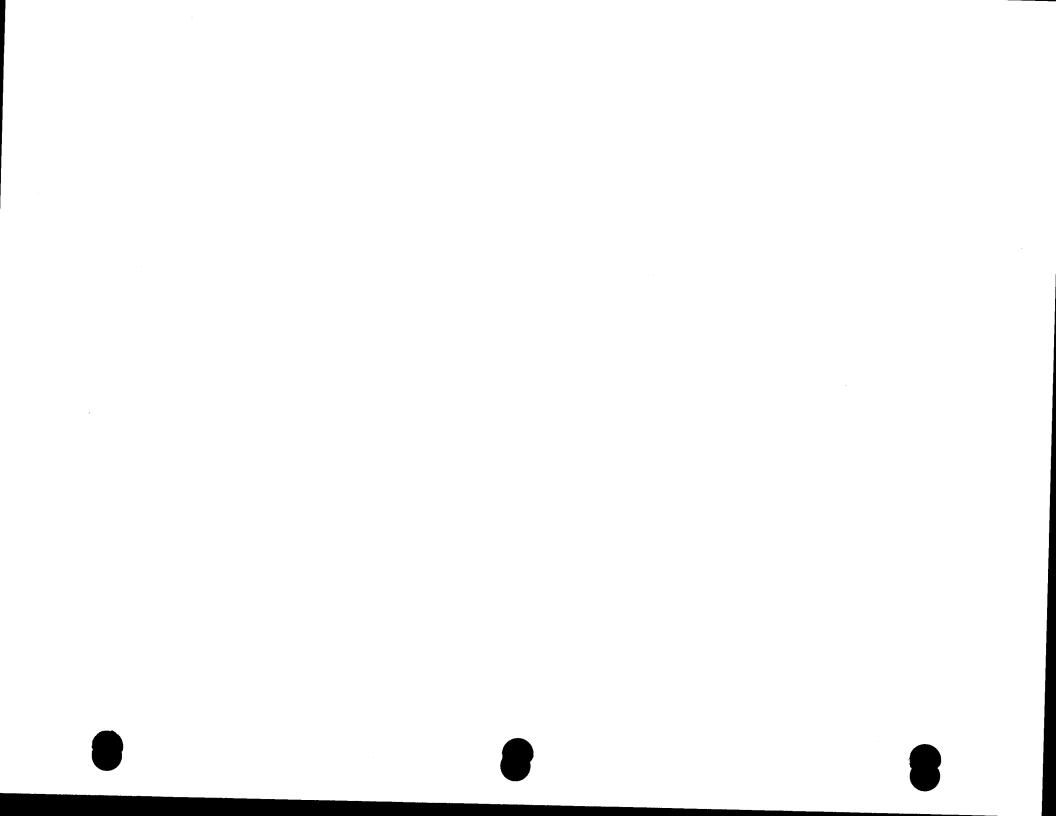
COL. 1	COL 2	COL 3 ENGINEER'S ESTIMATE	COL. 4	COL 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT		CTS	DOLLARS	CTS
001	4.02 AB-R ASPHALTIC CONCRETE WEARING COURSE, 1-1/2" THICK	25,500.00	s.y,	15	00	382,500	00
002	4.02 AF-R ASPHALTIC CONCRETE WEARING COURSE, 2" THICK	30,000.00	S.Y.	17	೮೦	510,000	00
003	4.02 CA BINDER MIXTURE	8,500.00	TONS	180	00	1,530,000	0°
004	4.04 B CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, CLASS B-32	5,000.00	C.Y.	160	00	800,000	00
005	4.08 AA CONCRETE CURB (18" DEEP)	1,000.00	L.F.	35	00	35,000	00
006	4.09 ÁD STRAIGHT STEEL FACED CONCRETE CURB (18" DEEP)	300.00	L.F.	32	00	9,600	00



PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

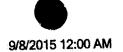
COL.1	COL.2	COL 3 ENGINEER'S ESTIMATE	COL. 4	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
EQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DOLLARS	CTS	DOLLARS	стѕ
007	4.09 AE STRAIGHT STEEL FACED CONCRETE CURB (21" DEEP)	200.00	L.F.	47	00	9,400	00
800	4.09 CD CORNER STEEL FACED CONCRETE CURB (18" DEEP)	300.00	L.F.	80	00	24,000	00
009	4.13 AAS 4" CONCRETE SIDEWALK (UNPIGMENTED)	25,000.00	S.F.	5	00	125,000	00
010	4.13 BAS 7" CONCRETE SIDEWALK (UNPIGMENTED)	4,100.00	S.F.	7	00	28,700	00
011	4.13 DE EMBEDDED PREFORMED DETECTABLE WARNING UNITS	200.00	S.F.	15	٥0	3,000	00
012	4.16 AA TREES REMOVED (4" TO UNDER 12" CALIPER)	10.00	EACH	275	00	2,750	00





PROJECT ID: QED1005
CONTRACT PIN: 8502015WM0029C

COL 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE	COL.4	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS		COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
EQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITY	UNIT				
013	4.16 AB TREES REMOVED (12" TO UNDER 18" CALIPER)	10.00	EACH	475	00	4,750	00
014	4.16 AC TREES REMOVED (18" TO UNDER 24" CALIPER)	5.00	EACH	675	00	3,375	00
015	4.16 AD TREES REMOVED (24" CALIPER AND OVER)	5.00	EACH	950	00	4,750	00
016	4.16 BA405 TREES PLANTED, 2-1/2" TO 3" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS	150.00	EACH	800	00	120,000	00
017	4.18 A MAINTENANCE TREE PRUNING (UNDER 12" CAL.)	100.00	EACH	175	00	17,500	0
018	4.18 B MAINTENANCE TREE PRUNING (12" TO UNDER 18" CAL.)	75.00	EACH	300	0(22,500	00



PROJECT ID: QED1005

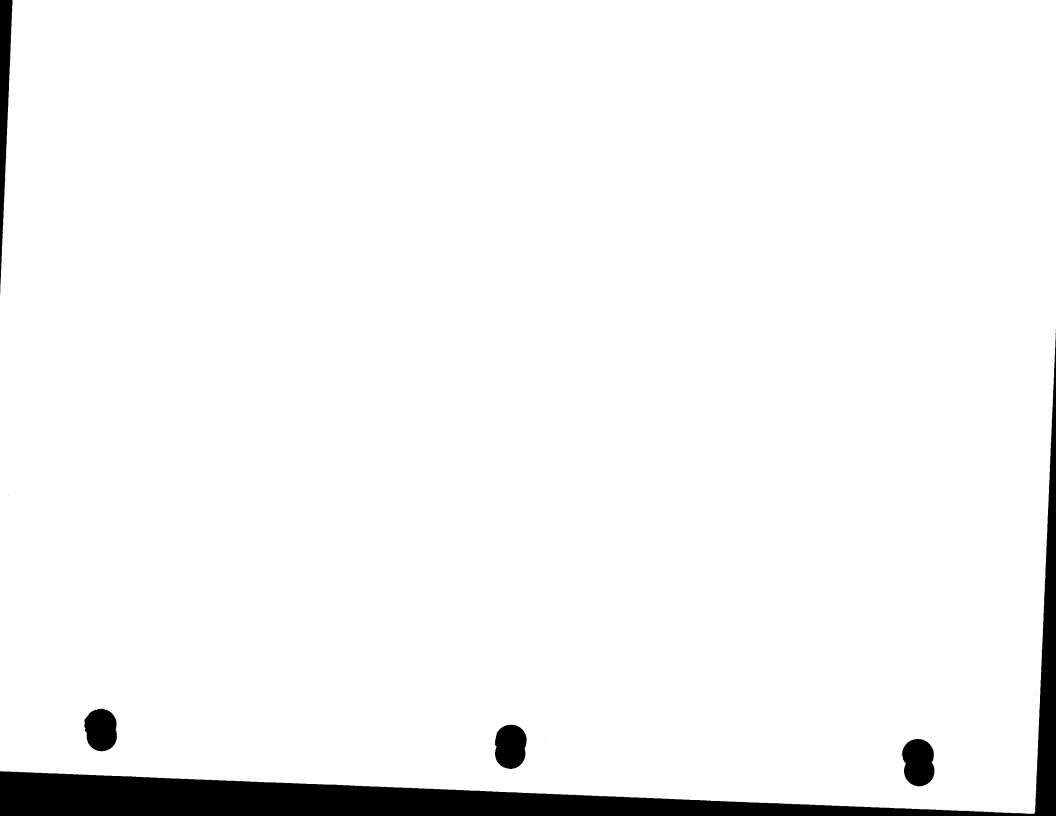
CONTRACT PIN: 8502015WM0029C

COL. 1	COL. 2	COL.3 ENGINEER'S	COL. 4	COL. 5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT		CTS	DOLLARS	CTS
019	4.18 C MAINTENANCE TREE PRUNING (18" TO UNDER 24" CAL.)	25.00	EACH	415	00	10,375	<i>0</i> 0
020	4.18 D MAINTENANCE TREE PRUNING (24" CAL. AND OVER)	25.00	EACH	950	00	23,750	00
021	4.21 TREE CONSULTANT	2,500.00	P/HR	60	00	150,000	00
022	6.02 AAN UNCLASSIFIED EXCAVATION	5,400.00	C.Y.	160	00	972,000	00
023	6.02 XHEC INCREMENTAL COST FOR MODIFYING WORK METHODS NEAR (WITHIN 3 FEET OF) TRANSIT FACILITIES AND BUILDING VAULTS	1,500.00	C.Y.	34	00	51,000	00
024	6.02 XSCW INCREMENTAL COST FOR USING SPECIAL CARE WORK METHODS NEAR (FROM 3 FEET TO 50 FEET) TRANSIT FACILITIES	1,500.00	C.Y.	17	00	25,500	00



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL. 1	COL 2	COL. 3 ENGINEER'S ESTIMATE	COL 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	стѕ
EQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY 250.00	S.Y.				i i
025	6.06 AB GRANITE BLOCK SIDEWALK (GROUTED JOINTS) (FURNISH BLOCK)	250.00		200	00	50,000	00
026	6.25 RS TEMPORARY SIGNS	2,000.00	S.F.	12	ပပ	24,000	00
027	6.26 TIMBER CURB	5,000.00	L.F.	0	50	2,500	00
028	6.28 AA LIGHTED TIMBER BARRICADES	1,500.00	L.F.	12	00	18,000	00
029	6.40 D ENGINEER'S FIELD OFFICE (TYPE D)	24.00	MONTH	7,000	00	168,000	00
030	6.44 THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (4" WIL	3,500.00	L.F.	0	90	3,150	0





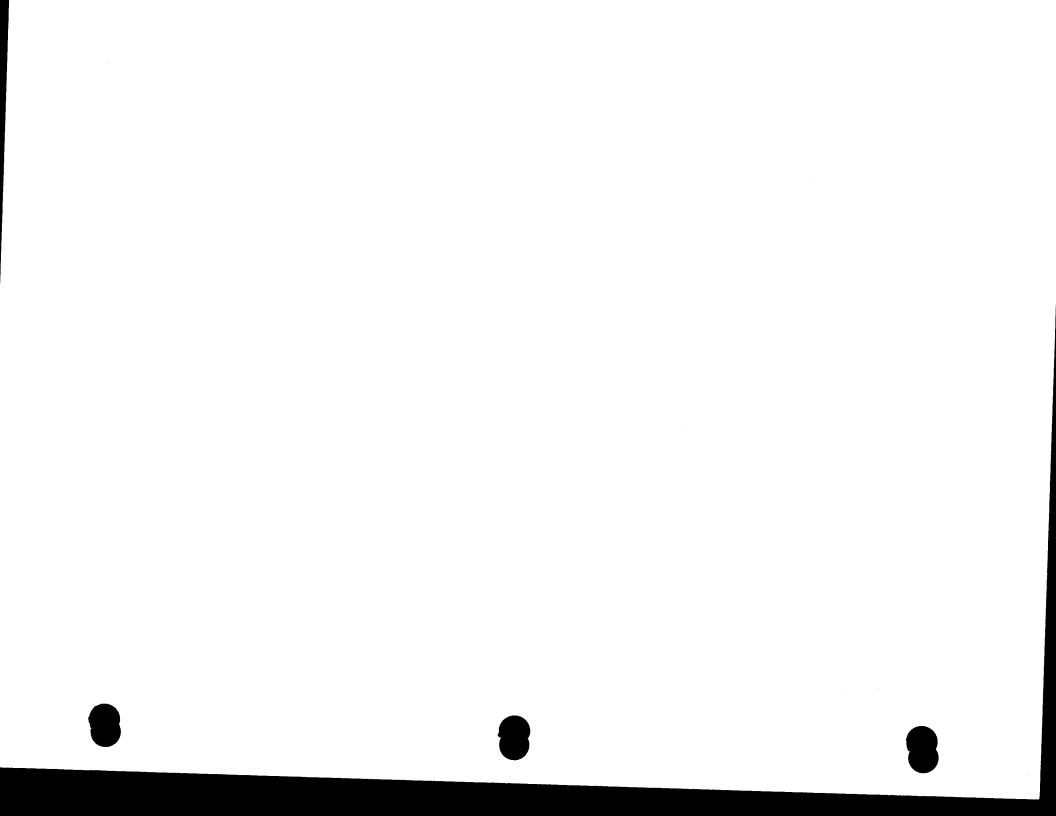
PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL.1	GOL. 2	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
EQ. NO 031	6.49 TEMPORARY PAVEMENT MARKINGS (4" WIDE)	2,500.00	L.F.	٥	50	1,250	00
032	6.52 CG CROSSING GUARD	3,000.00	P/HR	25	٥٥	75,000	00
033	6.53 REMOVE EXISTING LANE MARKINGS (4" WIDE)	2,500.00	L.F.	0	40	1,000	06
034	6.84 B LOLLIPOP TYPE BUS STOP SIGNS PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 7,500.00	1.00	F.S.	7,500	00	7,500	00
035	6.87 PLASTIC BARRELS	15,000.00	EACH	চ	00	75,000	α



PROJECT ID: QED1005
CONTRACT PIN: 8502015WM0029C

COL.1	COL. 2	COL: 3 ENGINEER'S ESTIMATE OF QUANTITY	COL.4	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	ств	COL. 8 EXTENDED AMOUNT (IN FIGURES) DOLLARS	ств
036	FURNISHING AND DELIVERING 20-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 55)	7,555.00	L.F.	190	00	1,435,450	00
037	60.11R606 FURNISHING AND DELIVERING 6-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	2,970.00	L.F.	45	00	133,650	<i>∞</i>
038	60.11R608 FURNISHING AND DELIVERING 8-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	58,650.00	L.F.	60	00	3,519,000	oc
039	60.11R612 FURNISHING AND DELIVERING 12-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	17,900.00	L.F.	97	00	1,736,300	00
040	60.12D06 LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS	3,000.00	L.F.	127	00	381,000	0
041	60.12D08 LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS	61,600.00	L.F.	67	00	4,127,20	0 0

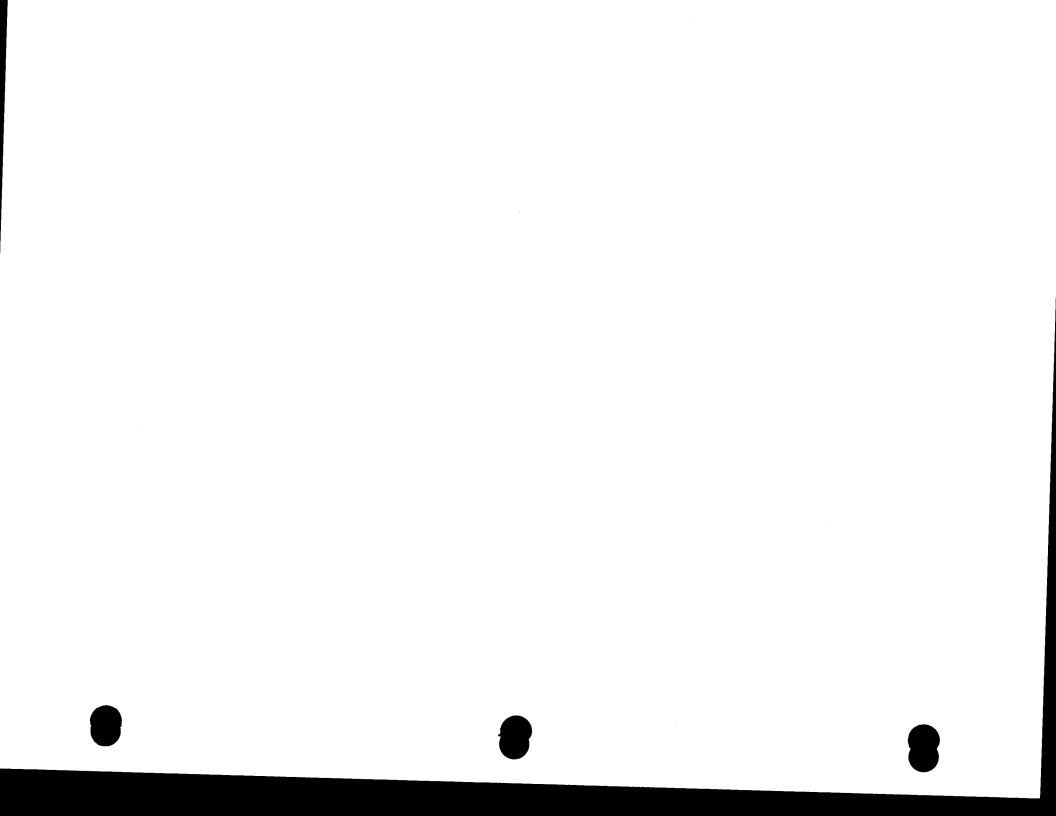


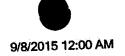


PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL. 1	COL. 2	COL 3 ENGINEER'S ESTIMATE	COL.4	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	676
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITTY	UNIT	DOLLARS	CTS	DOLLARS	CTS
042	60.12D12 LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS	19,500.00	L.F.	ලි0	00	1,580,000	00
043	60.12D20 LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS	8,000.00	L.F.	110	00	880,000	00
044	60.13M0A24 FURNISHING AND DELIVERING DUCTILE IRON MECHANICAL JOINT 24-INCH DIAMETER AND SMALLER FITTINGS, INCLUDING WEDGE TYPE RETAINER GLANDS	155.00	TONS	8000	00	1,240,000	00
045	60.21SP3T24 FURNISHING, DELIVERING AND LAYING 24-INCH STRAIGHT STEEL PIPE, 3/8-INCH WALL THICKNESS	30.00	L.F.	1,100	00	33,000	00
046	60.41CPL12 RECONSTRUCTION OF EXISTING 12-INCH DIAMETER WATER MAIN, USING D.E.P. APPROVED CIPP LINING METHOD	260.00	L.F.	42.0	00	109,200	00

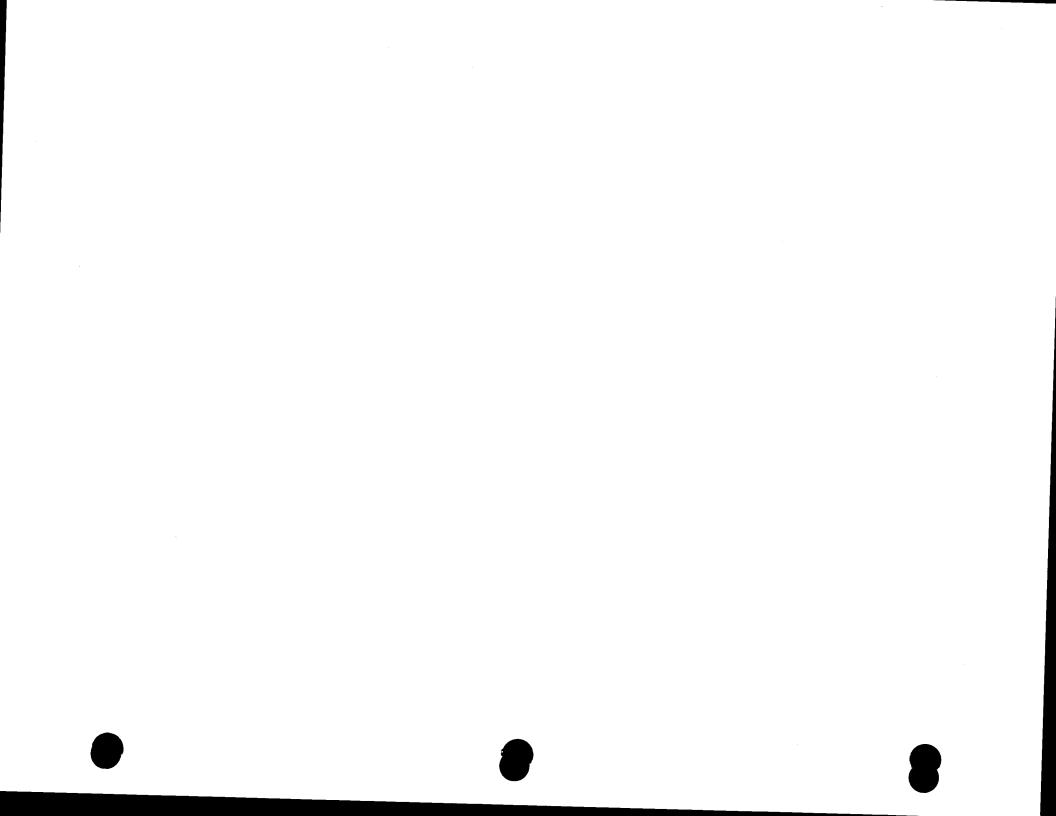




PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL. 1	COL. 2	COL 3 ENGINEER'S	COL 4	COL 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
	ITEM NUMBER and DESCRIPTION	ESTIMATE OF QUANTITIY	UNIT		CTS	DOLLARS	CTS
047	61.11DMM06 FURNISHING AND DELIVERING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	260.00	EACH	1,100	00	286,000	00
048	61.11DMM08 FURNISHING AND DELIVERING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	230.00	EACH	1,650	00	379,500	00
049	61.11DMM12 FURNISHING AND DELIVERING 12-INCH MECHANICAL JOINT DUCTIL IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	95.00	EACH	3,300	00	313,500	00
050	61.11DMM20 FURNISHING AND DELIVERING 20-INCH MECHANICAL JOINT DUCTION GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	30.00	EACH	17,000	OV	510,000	OC
051	61.11TWC03 FURNISHING AND DELIVERING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	200.00	EACH	800	OC	160,000	0



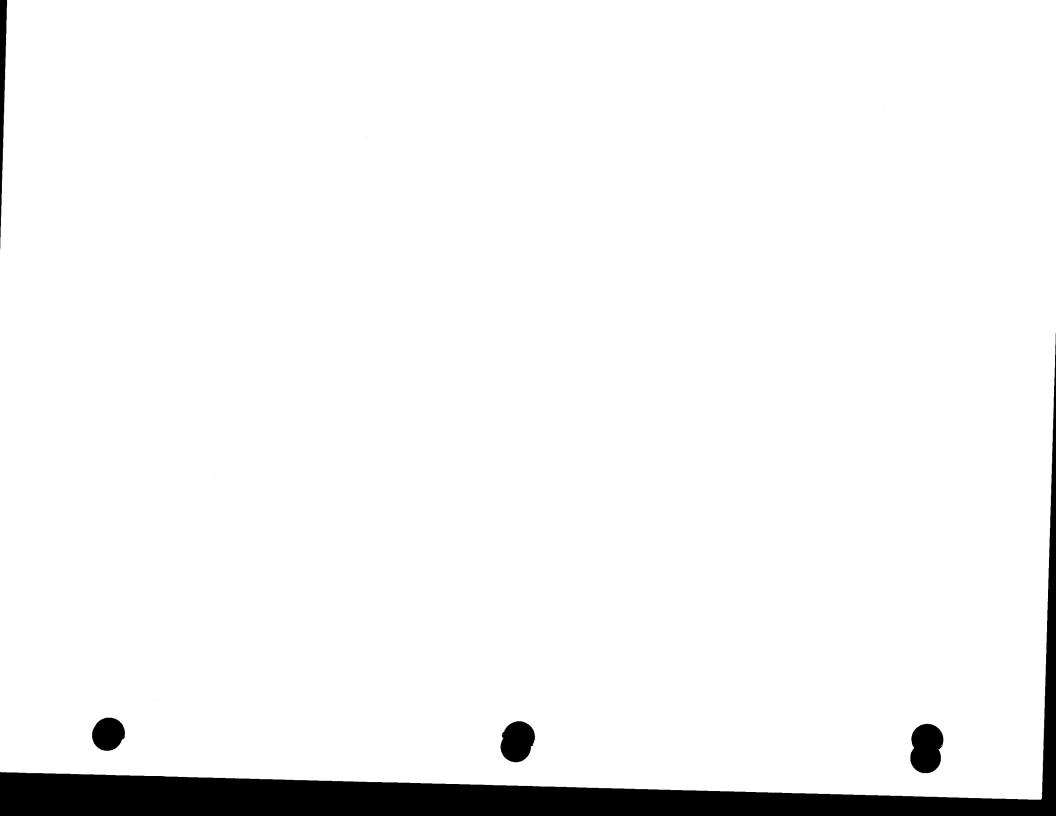




PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL 1	COL. 2	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
66. NO 052	61.11TWC04 FURNISHING AND DELIVERING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	21.00	EACH	800	00	16,800	00
053	61.11TWC06 FURNISHING AND DELIVERING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	2.00	EACH	1,100	00	2,200	00
054	61.11TWC08 FURNISHING AND DELIVERING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	1.00	EACH	1,550	00	1,550	00
055	61.11TWC12 FURNISHING AND DELIVERING 12-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	1.00	EACH	3,300	00	3,300	OC
056	61.12DMM06 SETTING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	260.00	EACH	280	∞	72,800	α
057	61.12DMM08 SETTING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	230.00	EACH	280	OC	64,400	00





PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL.1	COL. 2	COL 3 ENGINEER'S ESTIMATE	COL.4	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	ote
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DOLLARS	CTS	DOLLARS	CTS
058	61.12DMM12 SETTING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	95,00	EACH	420	<i>0</i> 0	39,900	00
059	61.12DMM20 SETTING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	30.00	EACH	530	00	15,900	00
060	61.12TWC03 SETTING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	200.00	EACH	280	00	56,000	00
061	61.12TWC04 SETTING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS.	21.00	EACH	280	00	5,880	00
062	61.12TWC06 SETTING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	2.00	EACH	280	α	560	00
063	61.12TWC08 SETTING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	1.00	EACH	320	oc	320	00



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

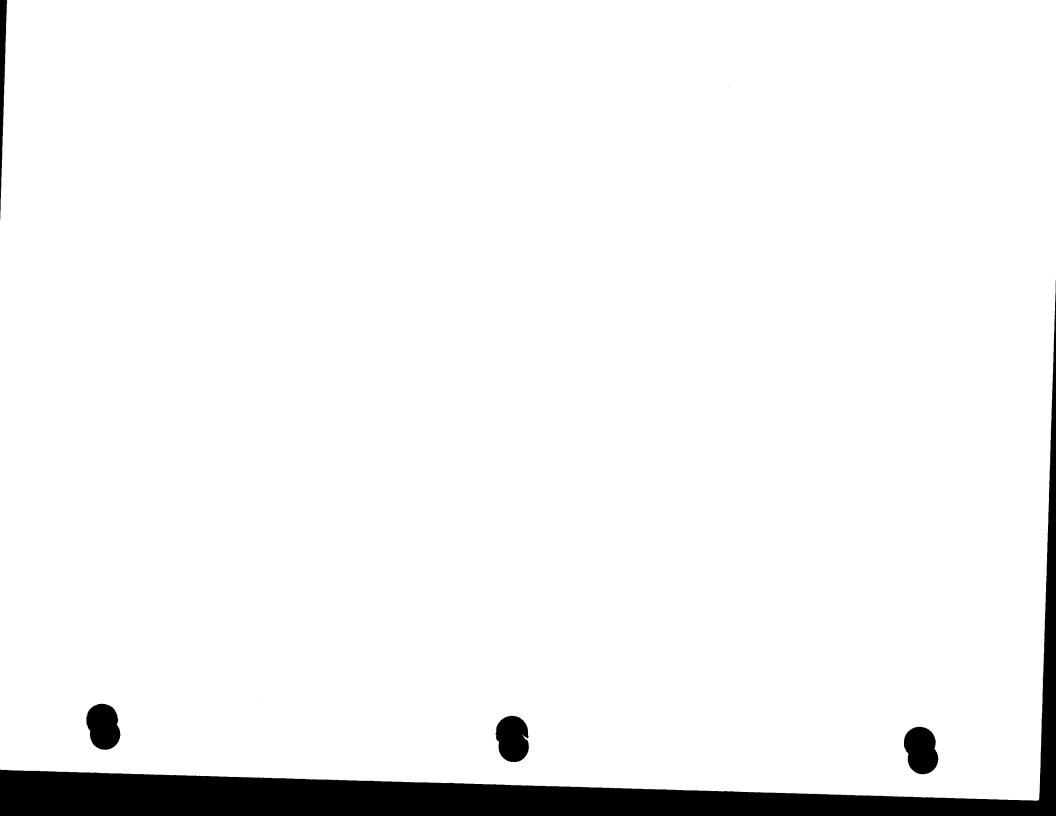
COL. 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE	COL 4	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	CTS
	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DOLLARS	CTS	DOLLARS	0.0
EQ: NO:	61.12TWC12 SETTING 12-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	1.00	EACH	320	00	320	00
065	62.11SD FURNISHING AND DELIVERING HYDRANTS	260.00	EACH	3,100	00	<u> </u>	00
066	62.12SG SETTING HYDRANTS COMPLETE WITH WEDGE TYPE RETAINER GLANDS	260.00	EACH	1,000	00	260,000	00
067	62.13RH REMOVING HYDRANTS	230.00	EACH	650	00	149,500	00
068	62.14FS FURNISHING, DELIVERING AND INSTALLING HYDRANT FENDERS	600.00	EACH	350	00	210,000	00
069	63.11VC FURNISHING AND DELIVERING VARIOUS CASTINGS	220.00	TONS	2,000	0	440,000	0



PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL.1	COL. 2	COL.3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
SEQ. NO	ITEM NUMBER and DESCRIPTION	600.00	EACH				
070	64.11EL WITHDRAWING AND REPLACING HOUSE SERVICES USING 1-1/2- INCH OR LARGER SCREW TAPS	600,000	<u> </u>	870	00	522,000	00
		1,400.00	EACH				; ; !
071	64.11ST WITHDRAWING AND REPLACING HOUSE SERVICES USING SMALLER THAN 1-1/2-INCH SCREW TAPS			610	00	854,000	00
		500.00	L.F.				•
072	64.12COEG CUTTING AND OFFSETTING HOUSE SERVICE WATER CONNECTIONS (EQUAL TO OR GREATER THAN 3-INCH DIAMETER)		<u> </u>	100	00	50,000	00
		1,200.00	L.F.		1		
073	64.12COLT CUTTING AND OFFSETTING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3-INCH DIAMETER)	· ·		105	00	126,000	α
		1,500.00	L.F.				
074	64.12ESEG EXTENDING HOUSE SERVICE WATER CONNECTIONS (EQUAL TO O GREATER THAN 3-INCH DIAMETER)	1		105	00	159,500	00
		3,000.00	L.F.				E i t
075	64.12ESLT EXTENDING HOUSE SERVICE WATER CONNECTIONS (LESS THAN INCH DIAMETER)		bost *	105	00	315,000	0





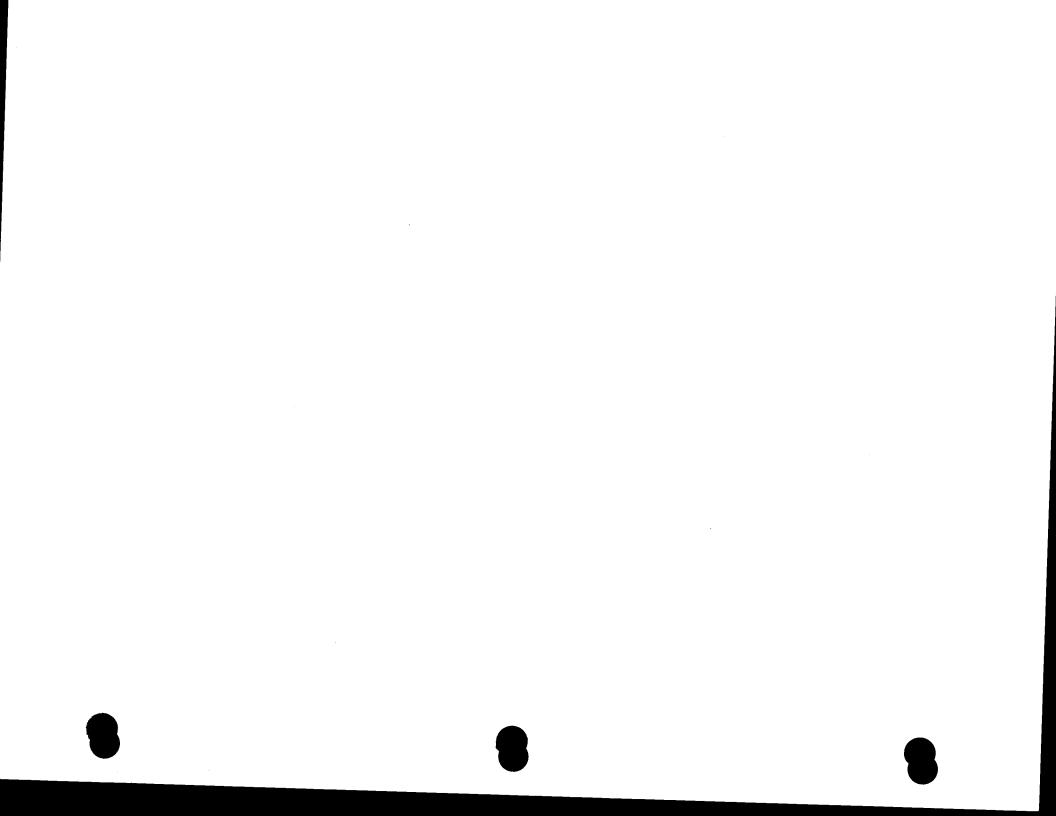
PROJECT ID: QED1005
CONTRACT PIN: 8502015WM0029C

COL, 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE	COL 4	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT		CTS	DOLLARS	CTS
076	64.13WC08 FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 8-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	180.00	EACH	1,750	00	315,000	00
077	64.13WC12 FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 12-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	30.00	EACH	2,100	00	63,000	00
078	64.13WC20 FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 20-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	15.00	EACH	4,400	00	66,000	00
079	65.11BR FURNISHING, DELIVERING AND INSTALLING BANDS, RODS, WASHERS, ETC., COMPLETE, FOR RESTRAINING JOINTS	4,340.00	LBS.	6	50	28,210	oC
080	65.21PS FURNISHING AND PLACING POLYETHYLENE SLEEVE Unit price bid shall not be less than: \$ 0.50	43,400.00	L.F.	0	57	21,700	00
081	65.31FF FURNISHING, DELIVERING AND PLACING FILTER FABRIC Unit price bid shall not be less than: \$ 0.10	682,670.00	S.F.	0	10	68, 267	0(



PROJECT ID: QED1005
CONTRACT PIN: 8502015WM0029C

COL.1	COL. 2	COL: 3 ENGINEER'S ESTIMATE	COL.4	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DULLARS	0.0		! !
082	65.71SG FURNISHING, DELIVERING AND PLACING SCREENED GRAVEL OR SCREENED BROKEN STONE BEDDING	2,805.00	C.Y.	46	00	129,030	00
083	7.13 B MAINTENANCE OF SITE Unit price bid shall not be less than: \$8,000.00	18.00	MONTH	8,000	00	144,000	00
084	7.36 PEDESTRIAN STEEL BARRICADES	86,800.00	L.F.	2	00	173,600	00
085	7.88 AA RODENT INFESTATION SURVEY AND MONITORING Unit price bid shall not be less than: \$ 50,000.00	1.00	L.S.	50,000	00	50,000	00
086	7.88 AB RODENT BAIT STATIONS Unit price bid shall not be less than: \$60.00	8,000.00	EACH	60	00	480,000	0
087	7.88 AC BAITING OF RODENT BAIT STATIONS Unit price bid shall not be less than: \$ 9.50	8,000.00	EACH	9	ঠা	76,000	0







PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

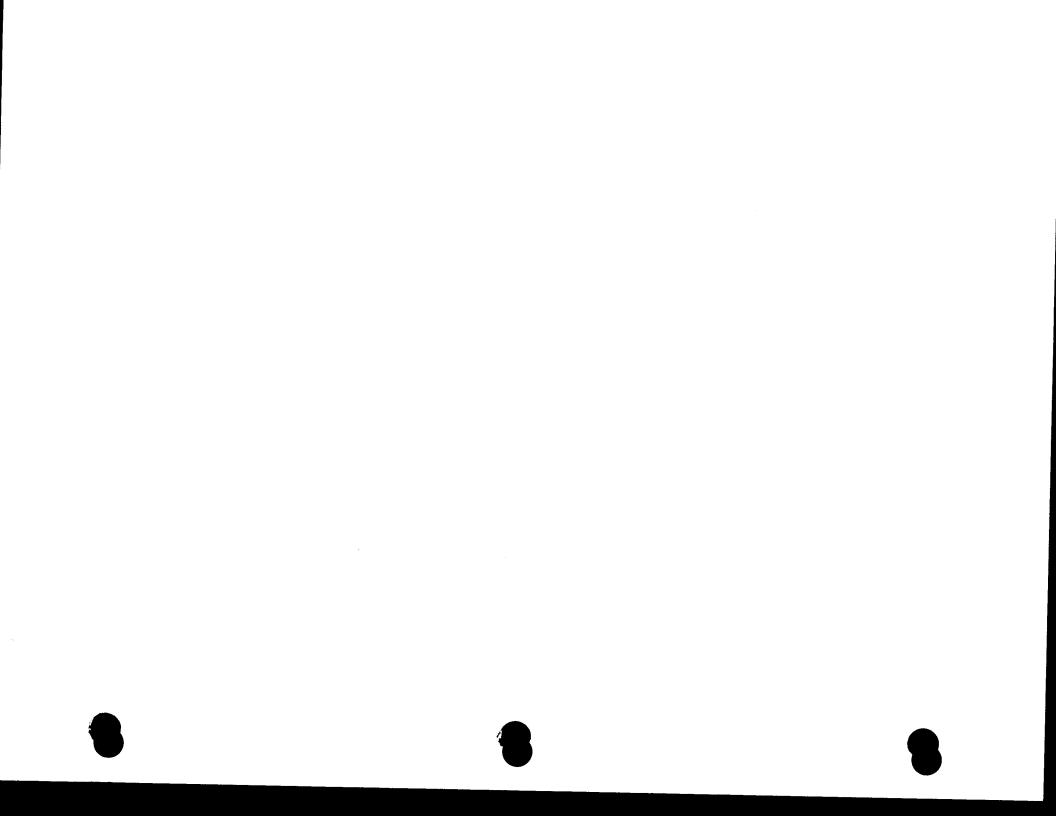
COL 1	COL 2	COL 3 COL 4 ENGINEER'S ESTIMATE		COL 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY 2,400.00	BLOCK	DOLLARS	CTS	DOLLARS	CTS
088	7.88 AD WATERBUG BAIT APPLICATIONS Unit price bid shall not be less than: \$65.00	2,400.00	BLOCK	65	00	156,000	00
089	70.31FN FENCING Unit price bid shall not be less than: \$ 2.00	173,600.00	L.F.	2	00	347,200	00
090	70.51EO EXCAVATION OF BOULDERS IN OPEN CUT Unit price bid shall not be less than: \$75.00	5.00	C.Y.	75	60	375	00
091	70.61RE ROCK EXCAVATION	5.00	C.Y.	750	00	3,750	00
092	70.81CB CLEAN BACKFILL Unit price bid shall not be less than: \$ 15.00	11,500.00	C.Y.	15	00	172,500	00
093	70.91SW12 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 12-INCH IN DIAMETER AND LESS	88,000.00	S.F.	0	10	8,800	00

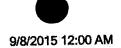


PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE	COL 4	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	CTS
SEQ. NO	TEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DOLLARS	CTS	DOLLARS	010
094	70.91SW20 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 20-INCH IN DIAMETER	94,000.00	S.F.	٥	10	9,400	00
095	73.11AB ADDITIONAL BRICK MASONRY Unit price bid shall not be less than: \$62.50	100.00	C.Y.	62	20	6,250	00
096	73.21AC ADDITIONAL CONCRETE Unit price bid shall not be less than: \$ 62.50	100.00	C.Y.	62	50	6,250	00
097	73.31AE0 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (ALL DEPTHS) Unit price bid shall not be less than: \$ 20.00	500.00	C.Y.	20	00	10,000	00
098	73.41AG ADDITIONAL SELECT GRANULAR BACKFILL Unit price bid shall not be less than: \$ 15.00	300.00	C.Y.	15	00	4,500	00
099	73.51AS ADDITIONAL STEEL REINFORCING BARS Unit price bid shall not be less than: \$ 1.00	5,000.00	LBS.	1	00	2,000	00



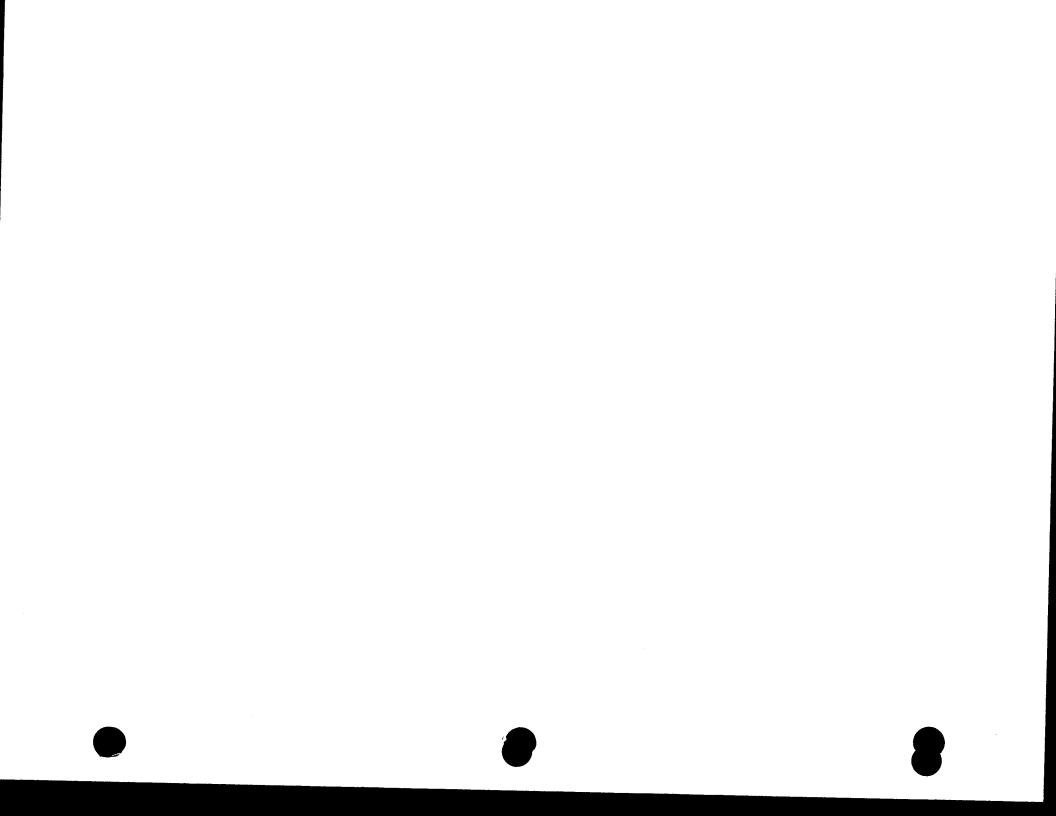




PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL 1	COL. 2	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL.4	COL, 5 UNIT PRICE (IN FIGURES) DOLLARS	стѕ	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
100	75.11RT REMOVAL OF ABANDONED TRACKS	500.00	L.F.	70	00	35,000	00
101	9.04 HW ALLOWANCE FOR ANTI-FREEZE ADDITIVE IN CONCRETE PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 50,000.00	1.00	F.S.	50,000	00	50,000	00
102	9.30 STORM WATER POLLUTION PREVENTION	1.00	L.S.	30,000	<i>0</i> 0	30,000	00
103	T-1.1 INSTALL TYPE "S" OR "T" FOUNDATION	3.00	EACH	2,200	00	6,600	00
104	T-1.18 REMOVE TYPE "A", "B", "S" OR "T" SERIES FOUNDATION	3.00	EACH	500	00	1,500	00

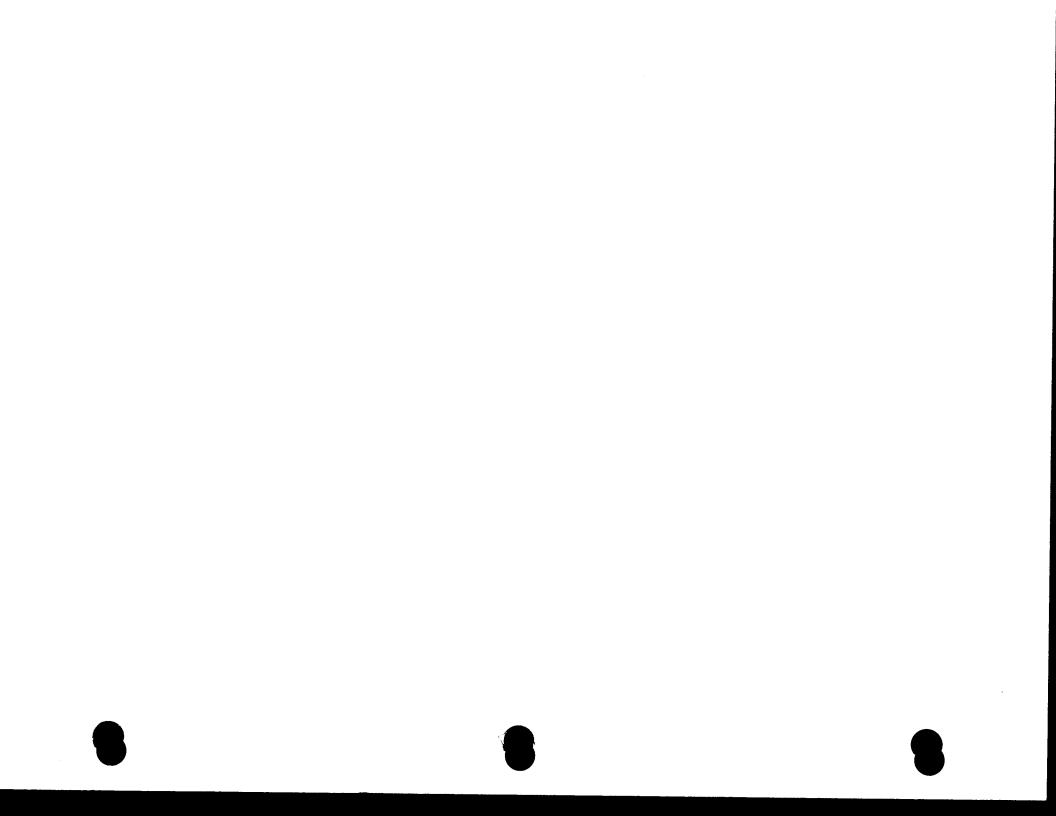




PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE	COL.4	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	OT 6
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DOLLARS	CTS	DOLLARS	CTS
105	T-1.20 REMOVE TYPE "M" SERIES FOUNDATION	3.00	EACH	750	00	2,250	00
106	T-1.3	3.00	EACH				:
	INSTALL TYPE "M2-5S" FOUNDATION			2,700	00	8,100	∞
407	T-2.1	3.00	EACH		1		
107	INSTALL TYPE "S-1" OR "T-1" SERIES POST			500	00	1,500	00
400	T-2.22	3.00	EACH		!		!
108	REMOVE TYPE "S-1" OR "T-1" SERIES POST			470	00	1,410	00
400	T-2.24	3.00	EACH		 		
109	REMOVE TYPE "M" SERIES POST			1,220	00	3,660	00
446	704	3.00	EACH		:		i 1
110	T-2.4 INSTALL TYPE "M-2" POST		18-70 2	1,460	00	4,380	00

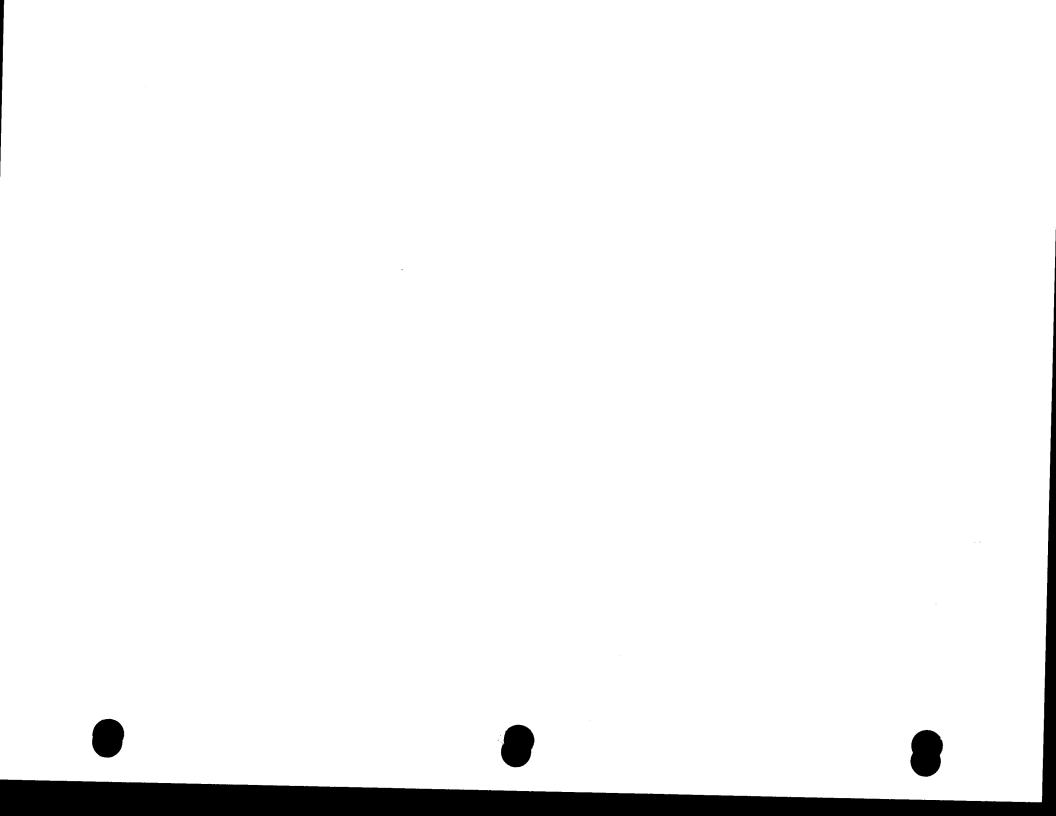


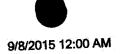


PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL. 1	COL; 2	COL:3 ENGINEER'S ESTIMATE	COL.4	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	OTO
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DOLLARS	CTS	DOLLARS	CTS
111	T-20000 FURNISH TEN FOOT ALUMINUM SIGNAL POST TYPE "S-1"	1.00	EACH	720	00	720	00
112	T-20020 a) FURNISH 3/4" ANCHOR BOLT ASSEMBLIES FOR S-1 (EACH) (3 REQUIRED PER POST)	9.00	EACH	15	40	138	60
113	T-20220 c) FURNISH 1-1/4" ANCHOR BOLT ASSEMBLIES FOR M-2 (EACH) (4 REQUIRED PER POST)	12.00	EACH	47	00	564	00
114	T-3.1 INSTALL "ONE-WAY" SIGNAL UNIT ON MAST ARM OR TOP OF TRAFFIC POST	9.00	EACH	250	00	2,250	00
115	T-3.18 REMOVE SIGNAL HEAD FROM ANY TYPE POST	4.00	EACH	240	00	960	α
116	T-3.21 REMOVE PEDESTRIAN SIGNAL OR SIGN UNIT OR OTHER ILLUMINATED SIGNS FROM ANY POST	9.00	EACH	240	∞	2,160	00



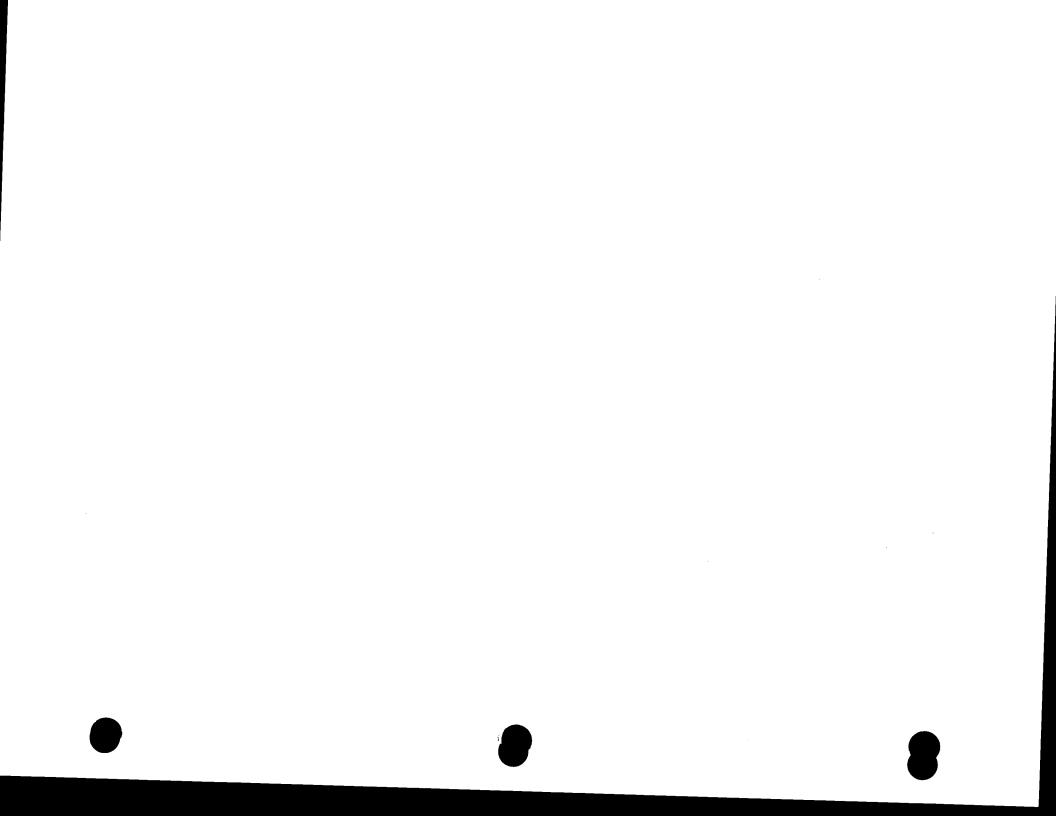




PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL. 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE	COL. 4	COL. 5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	стѕ
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DOLLARS	CTS	DOLLARS	UIS
117	T-3.6 INSTALL PEDESTRIAN SIGNAL ON ANY TYPE POST	9.00	EACH	350	<i>0</i> 0	3/150	00
118	T-31210 h) "HUB" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	5.00	EACH	39	00	195	00
119	T-31340 1) "VB-P" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	2.00	EACH	90	00	180	00
120	T-31351 g) "VB-2P" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	3.00	EACH	230	00	690	00
121	T-4.22 INSTALL ANY TYPE OF ADVANCED SOLID STATE TRAFFIC SIGNAL CONTROLLER AND CABINET ON METAL POLE	2.00	EACH	2,160	00	4,320	0
122	T-4.4 INSTALL CONTROL BOX ON ANY POST	2.00	EACH	2,160	o 0	0 4,320) 00





PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4.	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	стѕ	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	стѕ
EQ. NO 123	T-4.8	2.00	EACH	940	00	1,880	00
	REMOVE ONE CONTROL BOX AND CONTROLLER FROM ANY POST OR SUPPORT			940		17000	
124	T-4.9 REMOVE CONTROL BOX FROM ANY POST OR SUPPORT	2.00	EACH	730	00	1,460	00
125	T-5.1 FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN UNPAVED ROADWAY	300.00	L.F.	46	00	13,800	00
126	T-5.2 FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN PAVEL ROADWAY	150.00	L.F.	46	00	6,900	0
127	T-5.32 RESTORING PERMANENT ROADWAY (INCLUDING SAWCUT)	150.00	L.F.	38	00	5,700	0
128	T-5.7 FURNISH AND INSTALL ADDITIONAL 2" RIGID UNDERGROUND CONDUIT	50.00	L.F.	46	00	2,300	0

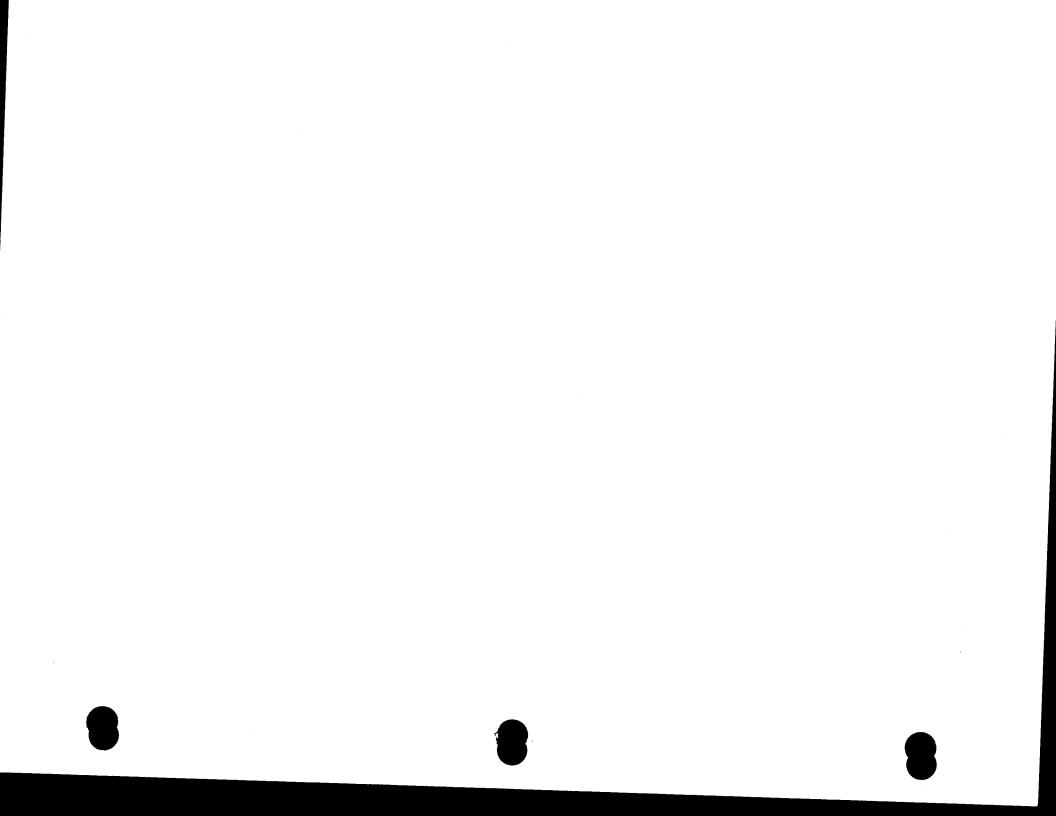
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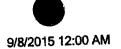


PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL. 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE	COL. 4	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	CTS	COL. 8 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITIY	UNIT	DOLDARS		1	
129	T-6.1 INSTALL CABLE (INCLUDES OVERHEAD)	2,000.00	L.F.	5	00	10,000	00
130	T-6.10 REMOVE CABLE (INCLUDES OVERHEAD)	3,000.00	L.F.	5	00	15,000	00
131	T-6.2 INSTALL MULTIPLE CABLE (INCLUDES OVERHEAD)	3,000.00	L.F.	10	00	30,000	00
132	T-60000B FURNISH 2 c # 10B (BREAKDOWN = 2#10 WITH 3RD WIRE FOR GROUNDING).	2,000.00	L.F.		80	3,600	00
133	T-60040 c) 7 CONDUCTOR, 14 A.W.G.	1,000.00	L.F.	1	50	1,500 1516 Pr) 0
134	T-60190 e) 13 CONDUCTOR, 14 A.W.G.	3,000.00	L.F.	2	<u> </u> 4	0 7,200) 0

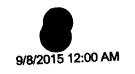




PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

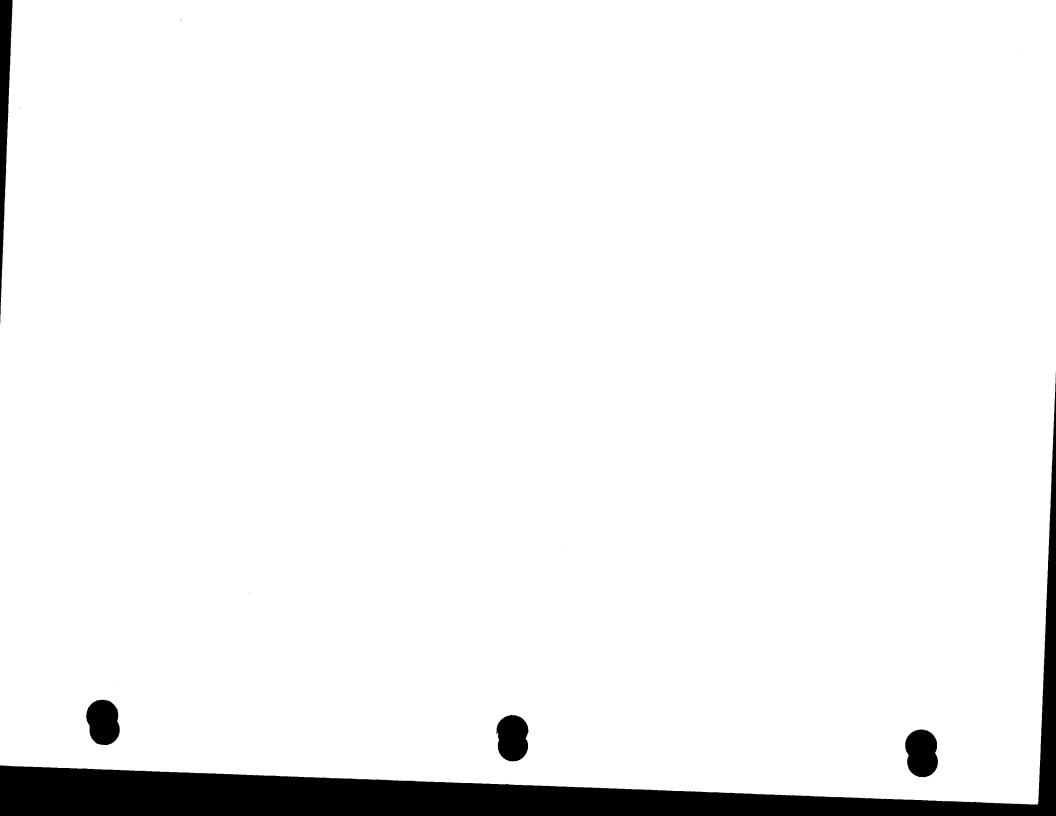
, COL. 2	COL. 3 ENGINEER'S ESTIMATE	COL. 4	COL 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
ITEM NUMBER and DESCRIPTION			!			:
T-8.10 RELOCATE CONCRETE PYLON WITH POST	3.00	EACH	1,460	∞	4,380	00
T-8 8	3.00	EACH				:
INSTALL CONCRETE PYLON			1,300	00	3,900	00
	3.00	EACH		F	·	
T-8.9 REMOVE CONCRETE PYLON	·		730	00	2,190	00
	3.00	EACH				
T-81000 FURNISH CONCRETE PYLON			440	00	1,320	00
1171 0 01 9	854.00	EACH			^	
GAS SERVICES CROSSING TRENCHES AND/OR EXCAVATIONS			465	00	397,110	0
LITI -6.01.9		EACH	// // // // // // // // // // // // //			
GAS MAIN CROSSING WATER MAIN UP TO 20" IN DIAMETER (\$6.01)			489	> 00	126,100	00
	T-8.10 RELOCATE CONCRETE PYLON WITH POST T-8.8 INSTALL CONCRETE PYLON T-8.9 REMOVE CONCRETE PYLON T-81000 FURNISH CONCRETE PYLON UTL-6.01.8 GAS SERVICES CROSSING TRENCHES AND/OR EXCAVATIONS (S6.01) Unit price bid shall not be less than: \$ 465.00	T-8.10 RELOCATE CONCRETE PYLON WITH POST T-8.8 INSTALL CONCRETE PYLON T-8.9 REMOVE CONCRETE PYLON T-81000 FURNISH CONCRETE PYLON UTL-6.01.8 GAS SERVICES CROSSING TRENCHES AND/OR EXCAVATIONS (S6.01) Unit price bid shall not be less than: \$ 465.00 UTL-6.01.9 GAS MAIN CROSSING WATER MAIN UP TO 20" IN DIAMETER (S6.01)	T-8.10 RELOCATE CONCRETE PYLON WITH POST T-8.8 INSTALL CONCRETE PYLON T-8.9 REMOVE CONCRETE PYLON T-81000 FURNISH CONCRETE PYLON UTL-6.01.8 GAS SERVICES CROSSING TRENCHES AND/OR EXCAVATIONS (S6.01) Unit price bid shall not be less than: \$ 465.00 UTL-6.01.9 GAS MAIN CROSSING WATER MAIN UP TO 20" IN DIAMETER (S6.01) UTL-6.01.9 GAS MAIN CROSSING WATER MAIN UP TO 20" IN DIAMETER (S6.01)	T-8.10 T-8.8 INSTALL CONCRETE PYLON T-8.9 REMOVE CONCRETE PYLON T-81000 FURNISH CONCRETE PYLON T-81000 FURNISH CONCRETE PYLON T-8.9 RESPIRATE OF QUANTITY T-8.9 REMOVE CONCRETE PYLON T-	T-8.10 RELOCATE CONCRETE PYLON WITH POST T-8.8 INSTALL CONCRETE PYLON T-8.9 REMOVE CONCRETE PYLON T-8.1000 FURNISH CONCRETE PYLON T-8.9 REMOVE CONCRETE PYLON	COL 2



PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL 1	COL. 2	COL: 3 ENGINEER'S ESTIMATE OF QUANTITY	COL.4 UNIT	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	e ens	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
EQ. NO	ITEM NUMBER and DESCRIPTION	1,000.00	L.F.				•
141	UTL-6.03 REMOVAL OF ABANDONED GAS FACILITIES. ALL SIZES. (S6.03) Unit price bid shall not be less than: \$ 15.00			15	00	15,000	00
		500.00	L.F.				Ì
142	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			25	00	12,500	00
	Office pice and order	100.00	L.F.				
143	UTL-6.03.1A REMOVAL OF ABANDONED GAS FACILITIES WITH POSSIBLE COAL TAR WRAP, ALL SIZES. (S6.03) Unit price bid shall not be less than: \$25.00			25	00	2,500	00
	One pres sie state	100.00	EACH		; ;		
144	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			35	00	3,500	00
	Offic price one ariest the	100.00	EACH		1		:
145	UTL-6.05 ADJUST HARDWARE TO GRADE BY RESETTING. (ROAD RECONSTRUCTION.) (S6.05) Unit price bid shall not be less than: \$65.00			65	00	6,500	α
	Offic price and and the same	1,500.00	C.Y.				1
146	UTL-6.06 SPECIAL CARE EXCAVATION AND BACKFILLING (S6.06) Unit price bid shall not be less than: \$ 180.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		180	00	270,000) ()



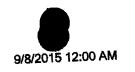


PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

COL 1	COL. 2	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL.4	COL. 5 UNIT PRICE (IN FIGURES) DOLLARS	стѕ	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS	CTS
147	UTL-6.06A SPECIAL CARE EXCAVATION AND BACKFILLING FOR TRANSMISSION MAINS (TRANSMISSION MAIN IS DESCRIBED AS ANY GAS MAIN WITH A MAOP GREATER THAN 124-PSIG) (S6.06A) Unit price bid shall not be less than: \$ 230.00	50.00	C.Y.	230	00	11,500	00
148	UTL-6.07 TEST PITS FOR GAS FACILITIES (S6.07) Unit price bid shall not be less than: \$ 100.00	500.00	C.Y.	100	00	50,000	00
149	UTL-6.09 TRENCH EXCAVATION AND BACKFILL FOR GAS MAINS AND SERVICES. GAS INSTALLED BY OTHERS. Unit price bid shall not be less than: \$ 190.00	600.00	C.Y.	190	00	114,000	00
150	UTL-GCS-2WS GAS INTERFERENCES AND ACCOMMODATIONS PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 80,000.00	1.00	F.S.	80,000	00	80,000	00

	•		
			
-			



PROJECT ID: QED1005

CONTRACT PIN: 8502015WM0029C

BID SCHEDULE FORM

COL.1 COL.2 COL.2 UNIT PRICE EXTENDED AMOUNT ENGINEER'S UNIT PRICE (IN FIGURES) (IN FIGURES)	BID 2CUED			COL. 5	COL. 6
	OL 1 COL 2	ENGINEER'S ESTIMATE	COL 4	UNIT PRICE (IN FIGURES)	(IN FIGURES)

SUB-TOTAL: \$ 29,943,299.60

151	6.39 A MOBILIZATION	1.00	L.S.		60 (762,000	00	PT
	BID PRICE OF MOBILIZATION SHALL NOT EXCEED 4% OF THE ABOVE SUB-TOTAL PRICE.		TOT	TAL BID PRIC	E: \$-	3255	多	0 (P)
	PLEASE BE SURE	A LEGIBLE BID IS				30,735,29	9,6	0

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.

> B - 30 [REVISION # 1]

(ax ID #: 12 445+26	/ax ID #:	12443726	
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APT E- PIN #:	85015B0185
PIN #:	8301300100

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

Part I: M/WBE Participat	ION GOAIS		
Part I to be completed	by contracting agency		
Contract Overview			
APT E- Pin #	85015B0185	FMS Project ID#:	QED1005
Project Title/ Agency PIN #	INSTALLATION OF DISTRIBU APPURTENANCES/8502015W	TION WATER MAINS AND M0029C)
Bid/Proposal Response Date	SEPTEMBER 01, 2015		
Contracting Agency	Department of Design and Co	onstruction	te NY Zip Code 11101
Agency Address	30-30 Thomson Avenue City	Title MWBE Lia	ison & Compliance Analyst
Contact Person	Ann-Chevealle Brown		@ddc.nyc.gov
Telephone #	<u>(718) 391-1175</u>		
Project Description (a	attach additional pages if necessary)	PARA TERRETARINA DA PERMENDA DE PARA D	115 13° (AC 180) - A C C C C C C C C C C C C C C C C C C
FOR THE INSTALLAT	ION OF DISTRIBUTION WATER M	ID: QED1005 AINS AND APPURTENANC IA AREAS	ES IN LONG ISLAND CITY AND
	BOROUGH	ork Incidental Thereto I OF QUEENS NEW YORK	
<u>Services.</u>	I Goals for Services int for each group or for an unspecified goa	il Please note that there are no g	ioals for Asian Americans in Professional
Prime Contract Indu	stry: <u>Construction</u> Group <u>Perce</u>		CONTRACTOR OF THE PROPERTY OF
	<u>Unspecified*</u>	8 1%	

Black American
Hispanic American
Asian American
Women

Total Participation Goals

UNSPECIFIED*
UNSPECIFIED*
UNSPECIFIED*
UNSPECIFIED*
UNSPECIFIED*
UNSPECIFIED*

^{*}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.

		1	10	пΛ	21	21	
Тах	ID	#:	1-d	44	21	26	

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 granted, it must be included with your bid or proposal and you do not have to complete or submit this form with your

bid or proposal.						
Section I: Prime Contractor Contact Inform	ation		V/\/	N 5607		
Tax ID# 11-2493726	1 (-	_ FMS Vendor ID #		0106070		
Business Name Tully Constru	0 1 -1	1111		5 OTESUZUE		
Address 127-50 Horther	·	shing, 11/ 1136		truction.com		
Telephone # 118 446 7000	Email 1	olesczuk ertuny	TWA	TIOGHUILLEM		
		able box and complete sub	sectio	n.		
Section II: M/WBE Utilization Goal Calcula PRIME CONTRACTOR ADOPTING AGE	NCY MWBE PART	CIPATION GOALS				
For Prime Contractors (including Qualified Joint Ventures and M/WBE	Total Bid/Proposal Value	Agency Total Participation Goals (Line 1, Page 13)		Calculated M/WBE Participation Amount		
firms) adopting Agency M/WBE Participation Goals.						
Calculate the total dollar value of your total bid that you agree will be awarded to M/WBE subcontractors for services and/or credited to an M/WBE prime contractor or Qualified Joint Venture.				2.458,823.99		
Please review the Notice to Prospective Contractors for more information on how to obtain credit for M/WBE participation.	30,735,299.	9%	=	Line 2		
PRIME CONTRACTOR OBTAINED PARTIAL WAIVER APPROVAL: ADOPTING MODIFIED M/WBE PARTICIPATION GOALS						
For Prime Contractors (including Qualified Joint Ventures and M/WBE firms) adopting Modified M/WBE	Total Bid/Proposal Value	Adjusted Participation Goal (From Partial Waiver)		Calculated M/WBE Participation Amount		
Participation Goals.						
Calculate the total dollar value of your total bid that you agree will be awarded to M/WBE subcontractors for services and/or credited to an M/WBE prime contractor or Qualified Joint Venture.						
Please review the Notice to Prospective Contractors for more information on how to obtain credit for M/WBE participation.	\$	x	=	\$ Line 3		

0.000.00		APT E- PIN #:	85015B0185
ex ID #: 11-2493726			Conta Plasse
Section III: M/WBE Utilization Plan: Hreview the Notice to Prospective Corparticipation. Check applicable box.	ow Proposer/Bidder V stractors for more info The Proposer or Bide	Will Fulfill M/WBE Partic ormation on how to obta der will fulfill the M/WBI	ipation Goals. Please in credit for M/WBE E Participation Goals:
As an M/WBE Prime Contractor the contract the value of which is at least the work subcontracted to non-M/WBE firm Please check all that apply to Prime Co	at will self-perform and/ ne amount located on Lins will not be credited to ontractor:	or subcontract to other Mines 2 or 3 above, as applowards fulfillment of M/WE	I/WBE firms a portion of the licable. The value of any 3E Participation Goals. BE partner's participation
As a Qualified Joint Venture with a and/or the value of any work subcontra above, as applicable. The value of an fulfillment of M/WBE Participation Goal As a non M/WBE Prime Contractor least the amount located on Lines 2 or	ils. • that will enter into sub	contracts with M/WBE fire	ms the value of which is at
Section IV: General Contract Informat What is the expected percentage of services, regardless of M/WBE state	ion the total contract dollar v		rd in subcontracts for
sul	ocontracting if awarded ricipation by MBEs and/or W d. Use additional sheets if no	BEs and the time frame in whice ecessary.	tracts for all/any services you plan on a whether the work is designated for the such work is scheduled to begin and -545 ccd's 336,250.00 WBF-545 ccd's 336,250.00 L1848,086.0
	Trucking 0. Electrice 2		

Tax ID #: 11-2493726

Section V: Vendor Certification and Required Affirmations

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-

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

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.

		^	
	NAI.	Date9	115
Signature		 7006	ident
Print Name	Do Lechtully	Title 1718	(GPA)
Print Name			

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

10 6 7000 FIGURE			و در	
Tax ID#	11-24937		FMS Vendor ID#	QED loos
Business Name	TULLY CON	15TEUCHOHIU	· ·	
Contact Name				000 Email 588 Below
Type of Procurent	ent 🗹 Compet	ltive Sealed Blds		onse Due Date 9/1/15
APT E-PIN # (for t	hie			ing Agency:
procurement):	8601586	>(BS	N4	C05C
8804/DE met _ s		EMA	ic Fhartm	anne Tuly Construction
	pauon Goais es d	described in bid/solicit	ation documents	•
	% — Agency M/WBE	Participation Goal		
Proposed M/WBE	Participation Goal a	s anticipated by vendo	or seeking walver	,
4	of the total cont	ract value anticipated	in good faith by the bid	ider/proposer to be subcontracted
	for services and	for credited to an M/W	BE Prime Contractor o	r Qualified Joint Venture.
The state of the s	SHAME TO A STATE	and the second	મિલ ઉંચાન સાંદર્ભાઈ હતાના કરો છે. આવા મામ	or a grading area of the control of
☐ Vendor does no self with its own e	ot subcontract serv imployees.	ices, and has the cap	acity and good faith i	ntention to perform all such work
Vendor subcon	tracts some of this	type of work but at a	lower % than bld/soll	citation describes, and has the
apacity and good: self.weight	eim intenden to oc	o so on this contract. Ontract to other vendo	(Altach subcontract)	ing plan outlining services that
	Paritain pile peper	STREET TO DESTRE ABING	as of consultants.)	
Vendor has other	er legitimate businc	ess reasons for propo	sing the M/WBE Part	cipation Goal above. Explain
nder separate cov	er.	• •		· · ·
de la companya de la				
st 3 most recent co	intracts performed t	or NYC agencies (if an	V. Include information	n for each subcontract awarded in
irrormance of such	contracts. Add mo	re pages if necessary.		
CONTRACT NO.	HWE 1181	AGENCY	NYCOOC	DATE COMPLETED 5/2015
Total Contract		Total Amount		
	<i>\$ 6,336,583</i>	Subcontracted S	435,500 -	
Item of Work	<u> </u>	Item of Work		Item of Work
Subcontracted and alue of subcontract	BEE VILLER	Subcontracted and Value of subcontract		Subcontracted and
		ABINE OF PONCHINGE		Value of subcontract
CONTRACT NO. 4	sek 00 2355	AGENCY	NYCODG	DATE COMPLETED 12/2 CT
Total Contract		Total Amount		- 12/2011
Amount	\$20.444.925		1,875,597	·
Item of Work		Item of Work		Item of Work
Subcontracted and	= A	Subconfracted and		Subcontracted and
ania-ni endcolitaci	See Attached	Value of subcontract		Value of subcontract
CONTRACT NO.	HWM738	AGENCY I	N4C00C	DATE COMPLETED (a/zoo
Total Contract		_ Total Amount		DATE COMPLETED CO/ZOCA
	: 29,379,634	Subcontracted \$	7,560,102"	•
Item of Work	1	Item of Work		item of Work
Subcontracted and	•	Subcontracted and		Subcontracted and
alue of subcontract	de Attached	Value of subcontract		Value of subcontract
Y OF NEW YORK				

performance of such conti	ts performed for other entitles. In racts. Add more pages if necessa as performed fewer than 3 New Yo	nry.	subcontract awarded in
TYPE OF Contract	E	NTITY	DATE COMPLETED
Manager at entity that	hired vendor (Name/Phone No./E	(liem	
Total Contract	Total Amount		
Amount S	Subcontracted \$		
Type of Work Subcontracted			· · · · · · · · · · · · · · · · · · ·
TYPE OF Contract	AGENCY/EN	лтү	DATE COMPLETED
Manager at agencylentity to No./Email)	hat hired vendor (Name/Phone		
Total Contract	Total Amount		
Amount \$	Subcontracted \$		
liem 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/EN		DATE COMPLETED
	hired vendor (Name/Phone No./Er	nall)	
Total Contract Amount \$	Total Amount Subcontracted \$	•	
Item of Work	llem of Work Subcontracted		
Subcontracted and	and Value of		liem of Work Subcontracted and
Value of subcontract	aubcontract		Value of subcontract
	CVISTS STANDARD TO THE TRANSPORT OF THE		
THE STREET SHIP IS A SHIP IS	l (li le le le proprietation de la lectrica de la l La lectrica de la lec	sulem Aberelloel in skipisuskir Tarih	
Signature:	i tu	Date:	8/10/15
•			3/1/
Frint Name: Fize	deric Harthan	Title:	PEODECT MANAGER
			A CONTRACTOR OF THE PARTY OF TH
	STING-OFFICER APPROVAL	AND ASSESSED TO THE PARTY OF TH	
Signature:	134 Judo of	Date:	82115
	NT OFFICER APPROVAL		alila
Signature:	Q	Date:	5/26/15
Waiver Determination			ξ ι
Full Waiver Approved:		• •	
Waiver Denied:	✓		
Partial Walver Approved: 🔽 Revised Participation Goal:			÷ ,
sere vitalis grade	• . •		n
		,	

18

BID BOOKLET DECEMBER 2013

CITY OF NEW YORK
DEPARTMENT OF DESIGN AND CONSTRUCTION

ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

Together With All Work Incidental Thereto

BOROUGH OF QUEENS

ADDENDUM NO. 5

DATED: August 31, 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.

- (1) Refer to the Bid and Contract Documents, VOLUME 1 OF 3, Page A-1, Attachment 1 Bid Information; Change the dates shown for <u>Submission of Bids To:</u> and for <u>Bid Opening:</u> from "September 1, 2015" to read "September 10, 2015."
- (2) Refer to the Bid and Contract Documents, VOLUME 1 OF 3, Page 13, Schedule B MWBE; Change the dates shown for Bid/Proposal Response Date: from "September 1, 2015" to read "September 10, 2015."

By signing in the space provided below, the bidder acknowledges receipt of the one (1) page of this Addendum.

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

Tully Construction Co., Inc.

GURDIP SAINI, P.E. Associate Commissioner/Design I

Name of Bidder

By:

Tully Construction Co. Inc

ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

Together With All Work Incidental Thereto

BOROUGH OF QUEENS

ADDENDUM NO. 6

DATED: September 8, 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

(1) Refer to the Bid and Contract Documents, VOLUME 1 OF 3, BID SCHEDULE, pages B-3 to B-Delete all pages in their entirety;

Substitute attached revised pages B-3 (REVISION #1) to B-30 (REVISION #1).

- (2) Refer to the Bid and Contract Documents, VOLUME 1 OF 3, Page A-1, Attachment 1 Bid Change the dates shown for Submission of Bids To: and for Bid Opening: from "September 10,
- (3) Refer to the Bid and Contract Documents, VOLUME 1 OF 3, Page 13, Schedule B MWBE; Change the dates shown for Bid/Proposal Response Date: from "September 10, 2015" to read
- (4) Refer to the Bid and Contract Documents, VOLUME 3 OF 3, ADDENDUM NO. 2, OCMC Add the attached OCMC TRAFFIC STIPULATIONS, pages 1A of 5A to 5A of 5A.
- (5) Refer to the Contract Drawings, Sheets 10, 22 and 49 of 54; Delete these sheets in their entirety; Substitute with attached revised sheets 10R, 22R and 49R of 54.
- (6) See attached list of QUESTIONS SUBMITTED BY BIDDERS AND RESPONSES PROVIDED BY

PROJECT ID: QED1005

By signing in the space provided below, the bidder acknowledges receipt of the two (2) pages of this Addendum plus thirty-four (34) pages of attachments and three (3) sheets of contract drawings.

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

	GURDIP SAINI, P.E. Associate Commissioner/Design I
Name of Bidder	
By:	

By signing in the space provided below, the bidder acknowledges receipt of the two (2) pages of this Addendum plus thirty-four (34) pages of attachments and three (3) sheets of contract drawings.

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

Tully Construction Co., Inc.

GURDIP SAINI, P.E. Associate Commissioner/Design I

Name of Bidder

By:

govern a compaction of the

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 www.nyc.gov/nycbusiness to learn more about the loan or contact constructionloan@sbs.nyc.gov / (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.

NOTICE TO VENDORS

Please be advised that, pursuant to the authority granted to the City under Labor Law §816-b, the New York City Department of Design and Construction hereby requires that the contractor awarded a contract as a result of this solicitation, and any of its subcontractors with subcontracts worth two 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 program/s have successfully passed the two year Probation period following the initial registration date of such program/s with the New York State Department of Labor.

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 subcontractor not being approved.

Please be further advised that, pursuant to Labor Law §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.

(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: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

Together With All Work Incidental Thereto BOROUGH OF QUEENS

(NO TEXT ON THIS PAGE)

Locations Of Work

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

21ST AVENUE BETWEEN SHORE BOULEVARD AND 41ST STREET;
27TH STREET BETWEEN DITMARS BOULEVARD AND 23RD AVENUE;
23RD AVENUE BETWEEN 26TH STREET AND 29TH STREET;
DITMARS BOULEVARD BETWEEN 47TH STREET AND 45TH STREET;
31ST STREET BETWEEN 23RD AVENUE AND ASTORIA BOULEVARD;
29TH STREEET BETWEEN HOYT AVENUE SO. AND ASTORIA BOULEVARD;
31ST STREET BETWEEN HOYT AVENUE NO. AND ASTORIA BOULEVARD;
ASTORIA BOULEVARD BETWEEN 29TH STREET AND 32ND STREET;
30TH STREET BETWEEN ASTORIA BOULEVARD AND NEWTOWN AVENUE;
ASTORIA BOULEVARD BETWEEN 22ND STREET AND CRESCENT STREET;
NEWTOWN AVENUE BETWEEN 21ST STREET AND CRESCENT STREET;
ASTORIA BOULEVARD BETWEEN ASTORIA HOUSES PROJECT AND 12TH
STREET;

30TH ROAD BETWEEN VERNON BOULEVARD AND 12TH STREET; 30TH DRIVE BETWEEN 12TH STREET AND 23RD STREET; 31ST AVENUE BETWEEN VERNON BLVD. AND CRESCENT STREET; NEWTOWN ROAD BETWEEN 43RD STREET AND 45TH STREET; 45TH STREET BETWEEN 31ST AVENUE AND 34TH AVENUE; 44TH STREET BETWEEN 31ST STREET AND NEWTOWN ROAD; 54TH STREET BETWEEN 31ST AVENUE AND NORTHERN BOULEVARD; ASTORIA BOULEVARD SO. BETWEEN 33RD STREET AND 45TH STREET; 30TH STREET BETWEEN 30TH AVENUE AND 36TH AVENUE; 11TH STREET BETWEEN 36TH AVENUE AND 38TH AVENUE; 38TH AVENUE BETWEEN 10TH STREET AND 14TH STREET; 38TH AVENUE BETWEEN 27TH STREET AND 31ST STREET; 27TH STREET BETWEEN 38TH AVENUE AND 41ST AVENUE; 28TH STREET BETWEEN 38TH AVENUE AND 41ST AVENUE; 30TH STREET BETWEEN 38TH AVENUE AND 40TH AVENUE: 31ST STREET BETWEEN 38TH AVENUE AND 40TH AVENUE; 40TH AVENUE BETWEEN 27TH STREET AND 28TH STREET; 76TH STREET BETWEEN HAZEN STREET AND ASTORIA BOULEVARD NO.; DITMARS BOULEVARD NO. BETWEEN HAZEN STREET AND 81ST STREET; DITMARS BOULVARD SO. BETWEEN 78TH STREET AND 81ST STREET; STEINWAY STREET BETWEEN 19TH AVENUE AND 20TH AVENUE; 27TH STREET BETWEEN 23RD AVENUE AND HOYT AVENUE SO.; 26TH STREET BETWEEN 24TH AVENUE AND HOYT AVENUE SO.; HOYT AVENUE NO. BETWEEN CRESCENT STREET AND 27TH STREET; HOYT AVENUE SO. BETWEEN CRESCENT STREET AND 27TH STREET;

29TH STREET BETWEEN 20TH AVENUE AND HOYT AVENUE NO.; DOROTHY PLACE;

20TH AVENUE BETWEEN 29TH STREET AND 31ST STREET;
60TH STREET BETWEEN 31ST AVENUE AND NORTHERN BOULEVARD;
53RD PLACE BETWEEN 32ND AVENUE AND NORTHERN BOULEVARD;
46TH STREET BETWEEN 31ST AVENUE AND BROADWAY;
NEWTOWN ROAD BETWEEN 45TH STREET AND 46TH STREET;
21ST STREET BETWEEN 36TH AVENUE AND 37TH AVENUE;
40TH AVENUE BETWEEN 10TH STREET AND 21ST STREET;
22ND STREET BETWEEN 36TH AVENUE AND QUEENS PLAZA NO.;
23RD STREET BETWEEN 20TH AVENUE AND 21ST AVENUE;
27TH STREET BETWEEN 21ST AVENUE AND DITMARS BOULEVARD;
36TH STREET BETWEEN 20TH ROAD AND 21ST AVENUE;
37TH STREET BETWEEN 20TH ROAD AND 21ST AVENUE;
38TH STREET BETWEEN 20TH ROAD AND DITMARS BOULEVARD;
41ST STREEET BETWEEN 21ST AVENUE AND DITMARS BOULEVARD

PROJECT ID: QED1005

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

BID BOOKLET

TABLE OF CONTENTS

SECT	TION	PAGE
PART	A	
1.	Table of Contents	1
2.	Special Notice to Bidders	2
3.	Attachment 1 – Bid Information	A-1
4.	Bid Schedule	B- 1
5.	Bid Form	C-1
6.	Affirmation	C-6
7.	Bid Bond	C-7
8.	M/WBE Program: M/WBE Utilization Plan	5
9.	Apprenticeship Program Requirements	19
PART	В	
10.	Safety Questionnaire	21
11.	Pre-award Process	24
12.	Project Reference Form	26
13.	Contract Certificate	29
14.	Vendex Compliance	30
15.	Iran Divestment Act Compliance Rider	31
16.	Construction Employment Report	33

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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 (11).

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 s	k Water Main Work: The entity that will perform the trunk water main work must, within the even (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 B	Management Practice Work: Best Management Practice ("BMP") Work is any item of work in id 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 ely fashion at least three (3) projects similar in scope and type to the required work.
	indiv	professional services in connection with BMP Work, (i.e., monitoring and reporting services), the idual who will perform the required services must, within the last five (5) consecutive years prior bid opening, have successfully completed in a timely fashion at least three (3) projects similar in a 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.
	OTE	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 (a).

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.

	Hazmat Work: 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.
П	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:

4

(NO TEXT ON THIS PAGE)

ATTACHMENT 1 - BID INFORMATION

PROJECT ID: QED1005 PIN: 8502015WM0029C

Description and Locat	ion of Work: For The Installation Of Distribution Water Mains And
	Appurtenances in Long Island City And Astoria Areas, Together With All Work Incidental Thereto, Borough Of Queens.
Documents Available At	30-30 Thomson Avenue First Floor Bid Procurement Room Long Island City, New York 11101 8:30 A.M. to 4:00 P.M Monday through Friday
Submission of Bids To:	30-30 Thomson Avenue First Floor Bid Procurement Room Long Island City, New York 11101 Before 11:00 A.M. on
Bid Opening:	30-30 Thomson Avenue First Floor Bid Procurement Room Long Island City, New York 11101
D = 1.	Time and Date: 11:00 A.M. on September 1, 2015
Pre-Bid Conference:	Yes NoX
	If Yes, Mandatory: Optional: Time and Date: Location:
SC	id Security is required in the amount set forth below; provided, however, bid curity is not required if the TOTAL BID PRICE set forth on the Bid Form is st than \$1,000,000.00.
(1)	forth on the Bid Form, OR
Performance and Payment Performance Security and I Price.	Security: Required for contracts in the amount of \$1,000,000 or more. Payment Security shall each be in an amount equal to 100% of the Contract
Agency Contact Person:	Lorraine Holley Phone: 718-391-2601 FAX: 718-391-2615
CITY OF NEW YORK DEPARTMENT OF DESIGN AND C	A-1 BID BOOKLET ONSTRUCTION

DECEMBER 2013

(NO TEXT ON THIS PAGE)

Project ID: QED1005

BID SCHEDULE

NOTICE TO BIDDERS

Items listed in this Bid Schedule which have one (1) digit followed by a decimal (e.g. 4.02 AG), excluding items beginning with the number "8.01", shall comply with the requirements of the corresponding numerical Sections of the NYCDOT Standard Highway Specifications as amended by Addendum No. 1 and Addendum No. 2, herein Volume 3 of 3.

Items listed in this Bid Schedule which have two (2) digits beginning with the number "5" followed by a decimal (e.g. 50.31CC15) 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.

Items listed in this Bid Schedule which have two (2) digits beginning with the number "6" followed by a decimal (e.g. 60.11R612) 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.

Items listed in this Bid Schedule which have two (2) digits beginning with the number "7" followed by a decimal (e.g. 70.31FN) 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.

Items listed in this Bid Schedule beginning with the prefix "T-" (e.g. T-2.15) are Traffic Items which shall be done in accordance with the requirements of Sub-Section 1.06.23.(D) and Section 1.06.49 in the Standard Highway Specifications.

Items listed in this Bid Schedule beginning with the prefix "UTL-" (e.g. UTL-6.01.8) are for Gas Cost Sharing (EP-7) work and shall comply with the requirements of Addendum No. 3, herein Volume 3 of 3.

Project ID: QED1005

(NO TEXT ON THIS PAGE)



CONTRACT PIN:8502015 PROJECT ID: QED1005

BID SCHEDULE

- proportionate share of the Bidder's anticipated profit, overhead costs, and other indirect costs, anticipated (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.
- 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 times 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 - 30

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.

6/23/2015 12:00 AM

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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

SEG. NO 001 0005 0005 0005 0006





PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL 1 SEQ. NO	COL. 2 ITEW 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) CTS DOLLARS CTS
007	4.09 AE STRAIGHT STEEL FACED CONCRETE CURB (21" DEEP)	200.00	L.F.	
800	4.09 CD CORNER STEEL FACED CONCRETE CURB (18" DEEP)	300.00	L.F.	
600	4.13 AAS 4" CONCRETE SIDEWALK (UNPIGMENTED)	25,000.00	S.F.	
010	4.13 BAS 7" CONCRETE SIDEWALK (UNPIGMENTED)	4,100.00	S.F.	
011	4.13 DE EMBEDDED PREFORMED DETECTABLE WARNING UNITS	200.00	S.F.	
012	4.16 AA TREES REMOVED (4" TO UNDER 12" CALIPER)	10.00	ЕАСН	

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL. 1 SEQ. NO	COL.2. ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUÄNTITY	COL. 5. COL. 6. UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) UNIT DOLLARS CTS DOLLARS	<u>\$10</u>
013	4.16 AB TREES REMOVED (12" TO UNDER 18" CALIPER)	10.00	ЕАСН	
014	4.16 AC TREES REMOVED (18" TO UNDER 24" CALIPER)	5.00	ЕАСН	·
015	4.16 AD TREES REMOVED (24" CALIPER AND OVER)	5.00	ЕАСН	
016	4.16 BA405 TREES PLANTED, 2-1/2" TO 3" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS	150.00	ЕАСН	
017	4.18 A MAINTENANCE TREE PRUNING (UNDER 12" CAL.)	100.00	ЕАСН	
018	4.18 B MAINTENANCE TREE PRUNING (12" TO UNDER 18" CAL.)	75.00	ЕАСН	



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL.1 SEQ.NO	COL 2 THEM NUMBER and DESCRIPTION	COL.3 ENGINEERS ESTIMATE	(N)	COL 6 EXTENDED AMOUNT (IN FIGURES)	70
	4.18 C MAINTENANCE TREE PRUNING (18" TO UNDER 24" CAL.)	25.00		DOLLARS CIS	2
	4.18 D MAINTENANCE TREE PRUNING (24" CAL. AND OVER)	25.00	ЕАСН		
	4.21 TREE CONSULTANT	2,500.00	P/HR		
	6.02 AAN UNCLASSIFIED EXCAVATION	5,400.00	C.Y.		T
	6.02 XHEC INCREMENTAL COST FOR MODIFYING WORK METHODS NEAR (WITHIN 3 FEET OF) TRANSIT FACILITIES AND BUILDING VAULTS	1,500.00	C.Y.		
	6.02 XSCW INCREMENTAL COST FOR USING SPECIAL CARE WORK METHODS NEAR (FROM 3 FEET TO 50 FEET) TRANSIT FACILITIES	1,500.00	C.Y.		

RUCTION PROJECT ID: QED1005 SIGN CONTRACT PIN: 8502015WM0029C

COL.5 COL.6 UNIT.PRIČE EXTENDED.AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS GTS DOLLARS GTS						
COL.4	S.Y.	R.	L.F.	LF.	MONTH	я. П.
COL 3 -ENGINEER'S ESTIMATE OF QUANTITY	250.00	2,000.00	5,000.00	1,500.00	24.00	3,500.00
COL. 2 TTEM NUMBER and DESCRIPTION	6.06 A	6.25 RS TEMPORARY SIGNS	6.26 TIMBER CURB	6.28 AA LIGHTED TIMBER BARRICADES	6.40 D ENGINEER'S FIELD OFFICE (TYPE D)	6.44 THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (4" WIDE)
COL 1 SEQ. NO	025	026	027	028	029	030





PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

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
031	6.49 TEMPORARY PAVEMENT MARKINGS (4" WIDE)	2,500.00	j.	•	
032	6.52 CG CROSSING GUARD	3,000.00	P/HR		
033	6.53 REMOVE EXISTING LANE MARKINGS (4" WIDE)	2,500.00	LF.		
034	6.84 B LOLLIPOP TYPE BUS STOP SIGNS PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 7,500.00	1.00	s.	7,500 00	7,500 00
035	6.87 PLASTIC BARRELS	15,000.00	ЕАСН		

6/23/2015 12:00 AM

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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL. 1 SEQ. NO	COL.2 TTEM NUMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF QUANTITIY	COL.4 UNIT	COL 5 UNIT PRICE (IN FIGURES) (IN FIGURES) OULARS COL 6 EXTENDED AMOUNT (IN FIGURES)
980	60.11R520 FURNISHING AND DELIVERING 20-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 55)	7,555.00	LF.	
037	60.11R606 FURNISHING AND DELIVERING 6-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	2,970.00	L.F.	
038	60.11R608 FURNISHING AND DELIVERING 8-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	58,650.00	L.F.	
620	60.11R612 FURNISHING AND DELIVERING 12-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	17,650.00	L.F.	
040	60.12D06 LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS	3,000.00	LF.	
041	60.12D08 LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS	61,600.00	LF.	



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

042 043 045	60.12D12 LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS FURNISHING AND DELIVERING DUCTILE IRON MECHANICAL JOINT 24-INCH DIAMETER AND SMALLER FITTINGS, INCLUDING WEDGE TYPE RETAINER GLANDS 60.21SP3T12 FURNISHING, DELIVERING AND LAYING 12-INCH STRAIGHT STEEL FURNISHING, DELIVERING AND LAYING 12-INCH STRAIGHT STEEL	ENGINEER'S ESTIMATE OF QUANTITY 19,200.00 8,000.00	L.F.	UNIT. PRICE (INFIGURES) DOLLARS CIS	COL 6 (IN FIGURES) DOLLARS	<u>9</u>
	60.21SP3T24 FURNISHING, DELIVERING AND LAYING 24-INCH STRAIGHT STEEL PIPE, 3/8-INCH WALL THICKNESS	30.00	r.			
	60.22BR3T12 FURNISHING, DELIVERING AND LAYING 12-INCH STEEL BENDS AND REDUCERS, 3/8-INCH WALL THICKNESS	175.00	핅			

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL.4 COL.5. COL.6 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) UNIT DOLLARS CTS COL.8	L.	ЕАСН	EACH	EACH	EACH
COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	260.00	260.00	230.00	95.00	30.00
COL 2 TTEM NUMBER and DESCRIPTION	60.41CPL12 RECONSTRUCTION OF EXISTING 12-INCH DIAMETER WATER MAIN, USING D.E.P. APPROVED CIPP LINING METHOD	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	61.11DMM20 FURNISHING AND DELIVERING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS
COL.1 SEQ. NO	048	049	020	051	052



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL.1	COL. 2	COL 3 ENGINEERS	COL.4	COL.5	COL. 6	
Section 1	TIEM NUMBER and DESCRIPTION	ESTIMATE OF QUANTITY	TINIT) CTS	(IN FIGURES)	
	61.11TWC03 FURNISHING AND DELIVERING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	200.00	EACH			
	61.11TWC04 FURNISHING AND DELIVERING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	21.00	ЕАСН			1
	61.11TWC06 FURNISHING AND DELIVERING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	2.00	ЕАСН			
	61.11TWC08 FURNISHING AND DELIVERING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	1.00	ЕАСН			
	61.11TWC12 FURNISHING AND DELIVERING 12-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	1.00	ЕАСН			- ₁
	61.12DMM06 SETTING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	260.00	ЕАСН			

6/23/2015 12:00 AM

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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

1. 100 20	COL.2	COL 3 ENGINEER'S ESTIMATE	90L4	5 IICE RES)	COL 6 EXTENDED AMOUNT (IN FIGURES)
SEQ. NO	ITEM NUMBER and DESCRIPTION	OF QUANTITY	LIND	DOLLARS	DOLLARS
028	61.12DMM08 SETTING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	230.00	ЕАСН		
090	61.12DMM12 SETTING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	95.00	ЕАСН		
061	61.12DMM20 SETTING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	30.00	ЕАСН		
062	61.12TWC03 SETTING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	200.00	ЕАСН		
063	61.12TWC04 SETTING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	21.00	ЕАСН		_
2 90	61.12TWC06 SETTING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	2.00	ЕАСН		



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEERS ESTIMATE OF QUANTITIE	COL. 4	COL.6 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS (CTS DOLLARS CTS
065	61.12TWC08 SETTING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	1.00	ЕАСН	
990	61.12TWC12 SETTING 12-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	1.00	ЕАСН	
067	62.11SD FURNISHING AND DELIVERING HYDRANTS	260.00	ЕАСН	
890	62.12SG SETTING HYDRANTS COMPLETE WITH WEDGE TYPE RETAINER GLANDS	260.00	ЕАСН	
069	62.13RH REMOVING HYDRANTS	230.00	ЕАСН	
070	62.14FS FURNISHING, DELIVERING AND INSTALLING HYDRANT FENDERS	600.00	ЕАСН	

6/23/2015 12:00 AM

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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

TEM NUMBER 64.12ESLT EXTENDING HOUSE SERVICE WINCH DIAMETER) 64.13WC08 FURNISHING, DELIVERING AND SLEEVE ON 8-INCH WATER MAIS FURNISHING, DELIVERING AND SLEEVE ON 12-INCH WATER MAIS SLEEVE ON 12-INCH WATER MAIS	EXTENDING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3-INCH DIAMETER) 64.13WC08 FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 8-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 12-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS SLEEVE ON 12-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	COL 3 ENGINEER'S ESTIMATE OF QUANTIFY 3,000.00	L.F. EACH	COL 5 UNIT PRICE (IN FIGURES) (IN FIGURES) DOLLARS CTS DOLLARS CTS
64.13WC20 FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 20-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	CTION	15.00	ЕАСН	
65.11BR FURNISHING, DELIVERING AND INSTALLING BANDS, RODS, WASHERS, ETC., COMPLETE, FOR RESTRAINING JOINTS	rā.	4,340.00	LBS.	
65.21PS FURNISHING AND PLACING POLYETHYLENE SLEEVE Unit price bid shall not be less than: \$ 0.50		43,400.00	н.	

6/23/2015 12:00 AM

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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

083 084 085	COL. 2 GOL. 2 GOL. 2 GE. 31FF FURNISHING, DELIVERING AND PLACING FILTER FABRIC Unit price bid shall not be less than: \$ 0.10 GE.71SG FURNISHING, DELIVERING AND PLACING SCREENED GRAVEL OR SCREENED BROKEN STONE BEDDING 7.13 B MAINTENANCE OF SITE MAINTENANCE OF SITE	COL 3 ENGINEER'S ESTIMATE OF QUANTITIY 682,670.00 2,805.00	S.F. C.Y.	COL & UNIT PRICE (IN FIGURES) DOLLARS CTS	COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS
086	Unit price bid shall not be less than: \$ 8,000.00 7.36 PEDESTRIAN STEEL BARRICADES RODENT INFESTATION SURVEY AND MONITORING Unit price bid shall not be less than: \$50,000.00 7.88 AB RODENT BAIT STATIONS Unit price bid shall not be less than: \$60.00	86,800.00	L.S.		



PROJECT ID: QED1003 CONTRACT PIN: 8502015WM0029C

S -	COL. 2	COL 3 ENGINEER'S FORTILLE	COL.4	COL. S UNIT PRICE	COL. 6 EXTENDED AMOUNT
SEQ. NO	HEM NUMBER and DESCRIPTION	OFGUANTITY	LIND	(IN FIGURES) DOLLARS	(IN FIGURES)
680	7.88 AC BAITING OF RODENT BAIT STATIONS Unit price bid shall not be less than: \$9.50	8,000.00	ЕАСН		
060	7.88 AD WATERBUG BAIT APPLICATIONS Unit price bid shall not be less than: \$65.00	2,400.00	ВГОСК		
091	70.31FN FENCING Unit price bid shall not be less than: \$2.00	173,600.00	ન		
092	70.51EO EXCAVATION OF BOULDERS IN OPEN CUT Unit price bid shall not be less than: \$75.00	5.00	C.Y.		
093	70.61RE ROCK EXCAVATION	5.00	C.Y.		
094	70.81CB CLEAN BACKFILL Unit price bid shall not be less than: \$ 15.00	11,500.00	C.Y.		

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL B COL B UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS CTS DOLLARS CTS						
COL 4	Ř.	α, π.	°.≺	C.Y.	C.Y.	C.Y.
COL.3 ENGINEERS ESTIMATE OF QUANTITY	88,000.00	94,000.00	100.00	100.00	500.00	300.00
COL 2 TTEM NUMBER and DESCRIPTION	70.91SW12 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 12-INCH IN DIAMETER AND LESS	70.91SW20 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 20-INCH IN DIAMETER	73.11AB ADDITIONAL BRICK MASONRY Unit price bid shall not be less than: \$62.50	73.21AC ADDITIONAL CONCRETE Unit price bid shall not be less than: \$62.50	73.31AE0 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (ALL DEPTHS) Unit price bid shall not be less than: \$ 20.00	73.41AG ADDITIONAL SELECT GRANULAR BACKFILL Unit price bid shall not be less than: \$15.00
COL.1	095	960	097	860	660	100



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL 1 SEQ. NO	GOL. 2 TEM NUMBER; and DESCRIPTION	COL 3 ENGINEERS ESTIMATE OF QUANTITY	COL. 4	COL.5 UNIT PRICE (IN FIGURES) DOBI ARS	COL 6 EXTENDED AMOUNT (IN FIGURES)	
101	73.51AS ADDITIONAL STEEL REINFORCING BARS Unit price bid shall not be less than: \$1.00	5,000.00		988		Ď
102	75.11RT REMOVAL OF ABANDONED TRACKS	500.00	F.			T
103	9.04 HW ALLOWANCE FOR ANTI-FREEZE ADDITIVE IN CONCRETE PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 50,000.00	1.00	Ř.	50,000 00	50,000 00	8
1 01	9.30 STORM WATER POLLUTION PREVENTION	1.00	L.S.			
105	T-1.1 INSTALL TYPE "S" OR "T" FOUNDATION	3.00	ЕАСН			

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL. 5 COL. 6 UNIT PRICE EXTENDED AMOUNT (IN FIGURES) (IN FIGURES) DOLLARS (CTS						
COL. 4 UNIT	ЕАСН	ЕАСН	ЕАСН	EACH	ЕАСН	ЕАСН
COL 3 ENGINEER'S ESTIMATE OF QUANTITY	3.00	3.00	3.00	3.00	3.00	3.00
COL. 2 ITEM NUMBER and DESCRIPTION	T-1.18 REMOVE TYPE	T-1.20 REMOVE TYPE "M" SERIES FOUNDATION	T-1.3 INSTALL TYPE "M2-5S" FOUNDATION	T-2.1 INSTALL TYPE "S-1" OR "T-1" SERIES POST	T-2.22 REMOVE TYPE "S-1" OR "T-1" SERIES POST	T-2.24 REMOVE TYPE "M" SERIES POST
COL 1	106	107	108	109	110	111



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

T OIS						
COL. 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS						
COL.S UNIT PRICE (IN FIGURES) DOLLARS CTS					,	
SOL.4	EACH	ЕАСН	ЕАСН	EACH	EACH	EACH
COL 3 ENGINEER'S ESTIMATE OF QUANTITY	3.00	1.00	0.00	12.00	00.0	4.00
COL.2 ITEM NUMBER and DESCRIPTION	T-2.4 INSTALL TYPE "M-2" POST	T-20000 FURNISH TEN FOOT ALUMINUM SIGNAL POST TYPE "S-1"	T-20020 a) FURNISH 3/4" ANCHOR BOLT ASSEMBLIES FOR S-1 (EACH) (3 REQUIRED PER POST)	T-20220 c) FURNISH 1-1/4" ANCHOR BOLT ASSEMBLIES FOR M-2 (EACH) (4 REQUIRED PER POST)	T-3.1 INSTALL "ONE-WAY" SIGNAL UNIT ON MAST ARM OR TOP OF TRAFFIC POST	T-3.18 REMOVE SIGNAL HEAD FROM ANY TYPE POST
COL 1 SEQ. NO	112	113	114	115	116	117

6/23/2015 12:00 AM

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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL. 5 COL. 6 UNIT PRICE (IN FIGURES) (IN FIGURES) DOLLARS CTS COL. 6 CIN FIGURES CTS CTS CTS						
COL.4	ЕАСН	EACH	ЕАСН	EACH	ЕАСН	ЕАСН
COL3 ENGINEER'S ESTIMATE OF QUANTITY	9.00	9.00	2.00	2.00	3.00	2.00
COL. 2 TEM NUMBER and DESCRIPTION	T-3.21 REMOVE PEDESTRIAN SIGNAL OR SIGN UNIT OR OTHER ILLUMINATED SIGNS FROM ANY POST	T-3.6 INSTALL PEDESTRIAN SIGNAL ON ANY TYPE POST	T-31210 h) "HUB" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	T-31340 ŋ "vB-p" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	T-31351 g) "VB-2P" ASSEMBLY *ASSEMBLY IS EQUAL TO ONE PAIR	T-4.22 INSTALL ANY TYPE OF ADVANCED SOLID STATE TRAFFIC SIGNAL CONTROLLER AND CABINET ON METAL POLE
COL 1 SEQ. NO	118	119	120	121	122	123



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL 1 SEQ. NO	COL. 2 TEM NUMBER and DESCRIPTION:	COL.3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4	COLS UNIT PRICE (INFIGURES)	OUNT.
124	T-4.4 INSTALL CONTROL BOX ON ANY POST	2.00	EACH		
125	T-4.8 REMOVE ONE CONTROL BOX AND CONTROLLER FROM ANY POST OR SUPPORT	2.00	EACH		
126	T-4.9 REMOVE CONTROL BOX FROM ANY POST OR SUPPORT	2.00	ЕАСН		
127	T-5.1 FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN UNPAVED ROADWAY	300.00	L.F.		
128	T-5.2 FURNISH AND INSTALL 2" RIGID UNDERGROUND CONDUIT IN PAVED ROADWAY	150.00	<u>.</u>		
129	T-5.32 RESTORING PERMANENT ROADWAY (INCLUDING SAWCUT)	150.00	Ę.		

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL.1	COL. 2	ENGINEER'S ESTIMATE OF CITANTITY	COL 4	COL. 6 COL. 6 COL. 6 CINT PRICE: (IN FIGURES) (IN FIGURES) DOLLARS CTS DOLLARS	S) CTS
130	T-5.7 FURNISH AND INSTALL ADDITIONAL 2" RIGID UNDERGROUND CONDUIT	50.00	L.F.		
131	T-6.1 INSTALL CABLE (INCLUDES OVERHEAD)	2,000.00	F.		
132	T-6.10 REMOVE CABLE (INCLUDES OVERHEAD)	3,000.00	Ä.		
133	T-6.2 INSTALL MULTIPLE CABLE (INCLUDES OVERHEAD)	3,000.00	F.		
134	T-60000B FURNISH 2 c # 10B (BREAKDOWN = 2#10 WITH 3RD WIRE FOR GROUNDING).	2,000.00	L.F.		
135	T-60040 c) 7 CONDUCTOR, 14 A.W.G.	1,000.00	F		



PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

COL.1 SEQ.NO	COL. 2 ITEM/NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITIY	COL.4 COL.5 UNIT PRICE (IN FIGURES UNIT DOLLARS	COL. 6 EXTENDED AMOUNT (IN FIGURES) CTS DOLLARS CTS
136	T-60190 e) 13 CONDUCTOR, 14 A.W.G.	3,000.00	L.F.	
137	T-8.10 RELOCATE CONCRETE PYLON WITH POST	3.00	ЕАСН	
138	T-8.8 INSTALL CONCRETE PYLON	3.00	ЕАСН	
139	T-8.9 REMOVE CONCRETE PYLON	3.00	ЕАСН	
140	T-81000 FURNISH CONCRETE PYLON	3.00	ЕАСН	
141	UTL-6.01.8 GAS SERVICES CROSSING TRENCHES AND/OR EXCAVATIONS (S6.01) Unit price bid shall not be less than: \$ 465.00	854.00	ЕАСН	

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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

BID SCHEDULE FORM

COL. 5 COL. 6 UNIT PRICE (JN FIGURES) (JN FIGURES) DOLLARS (CTS) DOLLARS (CTS)					
COL. 4 UNIT	LF.	H.	н.	ЕАСН	ЕАСН
COL 3 ENGINEER'S ESTIMATE OF QUANTITY 260.00	1,000.00	200.00	100.00	100.00	100.00
COL. 2 TTEM 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-6.03.1A 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
COL.1 SEQ.:NO 142	143	144	145	146	147





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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

BID SCHEDULE FORM

COL. 1 SEQ. NO	COL. 2 TEM NUMBER and DESCRIPTION	COL.3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL 5 UNIT PRICE EXTENDI (IN FIGURES) (IN FI DOLLARS CTS DO	COL.6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS
	UTL-6.06 SPECIAL CARE EXCAVATION AND BACKFILLING (S6.06) Unit price bid shall not be less than: \$ 180.00	1,500.00	C.Y.		
	UTL-6.06A SPECIAL CARE EXCAVATION AND BACKFILLING FOR TRANSMISSION MAINS (TRANSMISSION MAIN IS DESCRIBED AS ANY GAS MAIN WITH A MAOP GREATER THAN 124-PSIG) (S6.06A) Unit price bid shall not be less than: \$ 230.00	20.00	C.Y.		
	UTL-6.07 TEST PITS FOR GAS FACILITIES (S6.07) Unit price bid shall not be less than: \$100.00	500.00	C.Y.		
	UTL-6.09 TRENCH EXCAVATION AND BACKFILL FOR GAS MAINS AND SERVICES. GAS INSTALLED BY OTHERS. Unit price bid shall not be less than: \$ 190.00	600.00	C.Y.		
	UTL-GCS-2WS GAS INTERFERENCES AND ACCOMMODATIONS PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 80,000.00	1.00	ъ.	00 000'08	80,000 00

6/23/2015 12:00 AM

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

PROJECT ID: QED1005 CONTRACT PIN: 8502015WM0029C

BID SCHEDULE FORM

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SUB-TOTAL: \$_

153	153 6.39 A	1.00	L.S.		
	MOBILIZATION				
	BID PRICE OF MOBILIZATION SHALL NOT EXCEED 4% OF THE ABOVE SUB-TOTAL 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.

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: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

Together With All Work Incidental Thereto BOROUGH OF QUEENS

Name of Bidder:
Date of Bid Opening:
Bidder is: (Check one, whichever applies) Individual () Partnership () Corporation ()
Place of Business of Bidder:
Bidder's Telephone Number: Fax Number:
Bidder's E-Mail Address:
Residence of Bidder (If Individual):
If Bidder is a Partnership, fill in the following blanks:
Names of Partners Residence of Partners
If Bidder is a Corporation, fill in the following blanks:
Organized under the laws of the State of
Name and Home Address of President:
Name and Home Address of Secretary:
Name and Home Address of Treasurer:
CITY OF NEW YORK C-1 BID BOOKLE DEPARTMENT OF DESIGN AND CONSTRUCTION DECEMBER 201

DECEMBER 2013

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 the 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. M/WBE UTILIZATION PLAN: 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.

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BID FORM	. 4
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PROJECT ID: QED1005

<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 Deuts as a second of S	
	(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 WHE	<u>RE BIDDER IS AN INDIVIDUAI</u>	≟
STATE OF NEW YORK, COUNTY OF		being duly sworn says:
am the person described in and who executed the espects true.	foregoing bid, and the several mat	ters therein stated are in all
Subscribed and sworn to before me this,	(Signature of the person	who signed the Bid)
Notary Public		
AFFIDAVIT WHE	ERE BIDDER IS A PARTNERSHI	<u>P</u>
STATE OF NEW YORK, COUNTY OF		being duly sworn says:
I am a member of bid. I subscribed the name of the firm thereto on respects true.	the firm described in an behalf of the firm, and the several r	nd which executed the foregoing matters therein stated are in all
Subscribed and sworn to before me this day of,	(Signature of Partner	who bigined and 213)
Notary Public		
STATE OF NEW YORK, COUNTY OF		being duly sworn says:
I am the of the executed the foregoing bid. I reside at I have knowledge of the several matters therein s	ne above named corporation whose tated, and they are in all respects tr	
Subscribed and sworn to before me this,	(Signature of Partner	who signed the Bid)
	C-5	BID BOOKLE
CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION		DECEMBER 20

AFFIRMATION

PROJECT ID: QED1005

Zip Code	
TE NOWBER.	
unincorporated organization	
TUMBER	
TUMBER	
	Zip Code TE NUMBER: unincorporated organization IUMBER UMBER

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 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 pening of bids and in the event of acceptance of the Principal's Proposal by the City, if the Principal
(a) Within ten (10) days after notification by the City, execute in quadruplicate and deliver the City all the executed counterparts of the Contract in the form set forth in the Contract Documents, accordance with the proposal as accepted, and
(b) Furnish a performance bond and separate payment bond, as may be required by the City, or the faithful performance and proper fulfillment of such Contract, which bonds shall be satisfactory in I 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 rovided in the Information for Bidders, bound herewith and made a part hereof, or if the City shall reject e aforesaid Proposal, then this obligation shall be null and void; otherwise to remain in full force and fect.

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.

and such of them as are corporations have cau presents to be signed by their proper officers the	sed their co	_ day of	,	·
		·		
(Seal)	_			(L.S.)
(bear)		Principal		
	By:			
(Seal)				<u> </u>
()		Surety		
	By:			

BID BOND 3

ACKNOWLEDGMENT OF PRINCIPAL, IF A CORPORATION

State of	County o	of	ss:
On this	day of		ss:, before me personally came who, being by me duly sworn, did depose and sa
	·	to me known,	who, being by me duly sworn, did depose and sa
that he resides	at		egoing instrument that he knows the seal of said
that he is the		of	
corporation; th	at one of the seals affixe	ed to said instrume	egoing instrument; that he knows the seal of said ent is such seal; that it was so affixed by order or name thereto by like order.
			Notary Public
	ACKNOWLEDGM	MENT OF PRINC	CIPAL, IF A PARTNERSHIP
State of	County o	.f	gg.
On this	day of	1	ss: , before me personally appeared
****	••••) •••	to me known a	and known to me to be one of the members of the
firm of			described in and who executed the foregoing
firm.	The acknowledged to me	that he executed	the same as and for the act and deed of said
			Notary Public
			CIPAL, IF AN INDIVIDUAL
State of	County of	f	ss:s before me personally appeared and known to me to be the person described in edged that he executed the same.
On this	day of	•	before me personally appeared
	•	to me known a	and known to me to be the person described in
and who execut	ed the foregoing instrum	ent and acknowl	edged that he executed the same.
			Notary Public
	AFFIX ACKNOWLED	OGMENTS AND F	USTIFICATION OF SURETIES

(NO TEXT ON THIS PAGE)

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.

<u>Waiver</u>: 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

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.

6

- 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.

- 5. Where an M/WBE Utilization Plan has been submitted, the Contractor shall, within 30 days of issuance by Agency of a notice to proceed, submit a list of proposed persons or entities to which it intends to award subcontracts within the subsequent 12 months. In the case of multiyear contracts, such list shall also be submitted every year thereafter. The Agency may also require the Contractor to report periodically about the contracts awarded by its direct subcontractors to indirect subcontractors (as defined in Section 6-129(c)(22)). PLEASE NOTE: If this Contract is a public works project subject to GML §101(5) (i.e., a contract valued at or below \$3M for projects in New York City) or if the Contract is subject to a project labor agreement in accordance with Labor Law §222, and the bidder is required to identify at the time of bid submission its intended subcontractors for the Wicks trades (plumbing and gas fitting; steam heating, hot water heating, ventilating and air conditioning (HVAC); and electric wiring), the Contractor must identify all those to which it intends to award construction subcontracts for any portion of the Wicks trade work at the time of bid submission, regardless of what point in the life of the contract such subcontracts will occur. In identifying intended subcontractors in the bid submission, bidders may satisfy any Participation Goals established for this Contract by proposing one or more subcontractors that are MBEs and/or WBEs for any portion of the Wicks trade work. In the event that the Contractor's selection of a subcontractor is disapproved, the Contractor shall have a reasonable time to propose alternate subcontractors.
- 6. MBE and WBE firms must be certified by DSBS in order for the Contractor to credit such firms' participation toward the attainment of the **Participation Goals**. Such certification must occur prior to the firms' commencement of work. A list of MBE and WBE firms may be obtained from the DSBS website at www.nyc.gov/buycertified, by emailing DSBS at buyer@sbs.nyc.gov, by calling (212) 513-6356, or by visiting or writing DSBS at 110 William St., New York, New York, 10038, 7th floor. Eligible firms that have not yet been certified may contact DSBS in order to seek certification by visiting www.nyc.gov/getcertified, emailing MWBE@sbs.nyc.gov, or calling the DSBS certification helpline at (212) 513-6311. A firm that is certified as both an MBE and a WBE may be counted either toward the goal for MBEs or the goal for WBEs, but not both. No credit shall be given for participation by a graduate MBE or graduate WBE, as defined in Section 6-129(c)(20).
- 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 poped@ddc.nyc.gov or via facsimile at (718) 391-1886. Bidders, proposers, or contractors, as applicable, who have submitted requests will receive an Agency response by no later than two (2) calendar days prior to the due date for bids, proposals, or Task Orders; provided, however, that if that date would fall on a weekend or holiday, an Agency response will be provided by close-of-business on the business day before such weekend or holiday date.
- (c) If the Agency determines that the **Participation Goals** are unreasonable in light of the availability of certified firms to perform the services required, it shall revise the solicitation and extend the deadline for bids and proposals, or revise the Task Order, as applicable.
- (d) Agency may grant a full or partial waiver of the Participation Goals to a bidder, proposer or contractor, as applicable, who demonstrates—before submission of the bid, proposal or Task Order, as applicable—that it has legitimate business reasons for proposing the level of subcontracting in its M/WBE Utilization Plan. In making its determination, Agency shall consider factors that shall include, but not be limited to, whether the bidder, proposer or contractor, as applicable, has the capacity and the bona fide intention to perform the Contract without any subcontracting, or to perform the Contract without awarding the amount of subcontracts represented by the Participation Goals. In making such determination, Agency may consider whether the M/WBE Utilization Plan is consistent with past subcontracting practices of the bidder, proposer or contractor, as applicable, has made efforts to form a joint venture with a certified firm, and whether the bidder, proposer, or contractor, as applicable, has made good faith efforts to identify other portions of the Contract that it intends to subcontract.
- 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:
- (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.

Tax ID #:	APT E- PIN#:	85015B0185	
SCHEDULE B – M/WBE Utilization Plan Part I: M/WBE Participation Goals			

Part I to be completed by contracting agency

Contract Overview						e e e e e e e e e e e e e e e e e e e	
APT E- Pin #	85015B0185	FMS F	roject l	D#:		QED1005	
Project Title/ Agency PIN #	INSTALLATION OF DISTRIBU APPURTENANCES/8502015W		RMAIN	IS AND			
Bid/Proposal Response Date	SEPTEMBER 01, 2015	The state of the s					
Contracting Agency	Department of Design and Co	nstruction					
Agency Address	30-30 Thomson Avenue City	Long Islan	d City	State	NY	Zip Code	11101
Contact Person	Ann-Chevealle Brown	Title	_MWB	E Liaiso	n & C	ompliance A	Analyst
Telephone #	(718) 391-1175	Email	Brow	nann@c	ldc.ny	c.gov	784
Project Description (att	ach additional pages if necessary)						
The state of the s	PROJECT ID): QED1005	+ 184 госторы I достого дасто-поческая по до достого	TA MATERIAL			0. #14#84600111.pp.g.corp. (6) 1-p-112467417881111800

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

Together With All Work Incidental Thereto BOROUGH OF QUEENS 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>	11%	
or		
Black American	UNSPECIFIED*	
Hispanic American	UNSPECIFIED*	
Asian American	UNSPECIFIED*	
Women	UNSPECIFIED*	
rticipation Goals	11%	Line 1
Hispanic American Asian American Women	UNSPECIFIED* UNSPECIFIED* UNSPECIFIED*	

^{*}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 #:	-		PIN #:		85015B0185
SCHEDULE B - Part II: M/WBE Partici	action Diam		***************************************		
Part II to be completed by the bidder/prop Please note: For Non-M/WBE Prime Coentire contract, you must obtain a FULL submitting it to the contracting agency proposal.	oser. ontractors who will h waiver by completing	g the e to	e Waiver Application on Prospective Contractor	page 's O	es 17 and 18 and timely
Section I: Prime Contractor Contact Info	rmation				
Tax ID #			FMS Vendor ID#		
Business Name			Contact Person _		
Address					
Telephone #	Email			•	
Section II: M/WBE Utilization Goal Calcu PRIME CONTRACTOR ADOPTING AC				ubsed	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	PRO	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

Tov. ID #.	APT E-
Tax ID #:	PIN #:85015B0185
review the Notice to Prospec	Plan: How Proposer/Bidder Will Fulfill M/WBE Participation Goals. Please tive Contractors for more information on how to obtain credit for M/WBE please ble box. The Proposer or Bidder will fulfill the M/WBE Participation Goals:
contract the value of which is at	actor that will self-perform and/or subcontract to other M/WBE firms a portion of the least 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. rime Contractor:
☐ As a Qualified Joint Venture	with an M/WBE partner, in which the value of the M/WBE partner's participation
above, as applicable. The value fulfillment of M/WBE Participation	bcontracted to other M/WBE firms is at least the amount located on Lines 2 or 3 or 3 of any work subcontracted to non M/WBE firms will not be credited towards on Goals.
LI As a non M/WBE Prime Con	ntractor that will enter into subcontracts with M/WBE firms the value of which is at
least the amount located on Lin	as 2 or 3 above, as applicable.
Section IV: General Contract In	formation
MAII41 II	
What is the expected percent services, regardless of M/WB	age of the total contract dollar value that you expect to award in subcontracts for
outlies, regardless of W/VVD	L Status: 76
	Enter brief description of the type(s) and dollar value of subcontracts for all/any services you plan on
	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 and end. Use additional sheets if necessary. 1
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✓ Scopes of Subcontract Work	
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Гах ID #:	APT E- PIN #: <u>85015B0185</u>
pertinent provisions of Section 6-129 of the Admin 129"), and the rules promulgated thereunder; 2) affirm that the information supplied in support of 3) agree, if awarded this Contract, to comply with the pertinent provisions of Section 6-129, and the deemed to be material terms of this Contract; 4) agree and affirm that it is a material term of this value of the M/WBE Participation Goals to certified or such goals are modified by the Agency; and	participation requirements as set forth herein and the strative Code of the City of New York ("Section 6-1"). This M/WBE Utilization Plan is true and correct; the M/WBE participation requirements of this Contract, rules promulgated thereunder, all of which shall be Contract that the Vendor will award the total dollar MBEs and/or WBEs, unless a full waiver is obtained take all reasonable, good faith efforts to meet the sobtained or such goals are modified by the Agency,
Signature	Date
Print Name	Title

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

)#
Email
Response Due Date
tracting Agency:
e bidder/proposer to be subcontracte to ror Qualified Joint Venture.
aith intention to perform all such wo
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Item of Work Subcontracted and Value of subcontract DATE COMPLETED Item of Work Subcontracted and Value of subcontract

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		E	NTITY		DATE COMPLETED
Manager at entit	ty that hired vendor (Name/Phone No./	Email)		
Total Contract Amount	\$	Total Amount Subcontracted	\$		
Type of Work Subcontracted					
TYPE OF Contract		AGENCY/E	NTITY		DATE COMPLETED
Manager at agency/s	entity that hired vend	or (Name/Phone			
Total Contract	•	Total Amount	•		
Amount	ъ	Subcontracted Item of Work	φ		
Item of Work		Subcontracted			Item of Work
Subcontracted and		and Value of			Subcontracted and Value of subcontract
Value of subcontract		subcontract			value of subcontract
TYPE OF Contract		AGENCY/E			DATE COMPLETED
Manager at enti	ty 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
WENDOR CERTIFIC correct, and that this	CATION: I hereby a request is made in	ffirm that the info good faith.	rmation supplied ii	n support o	fthis waiver request is true and
Signature:				Date:_	
Print Name:				Title:_	
				T. Committee on SWE No. Committee of Committee on Committ	
	s for agency comple				
	ONTRACTING OF	FICER APPROV	AL .	.	
Signature:				Date:	
CITY CHIEF PROC	CUREMENT OFFICE	ER APPROVAL			
Signature:				Date:	
Waiver Determinat	tion				
Full Waiver Approve	ed: □		• • • • • • • • • • • • • • • • • • •		
Waiver Denied:					
Partial Waiver Appr Revised Participation					
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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.

1	VEC	NO
	LLO	 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 two 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 program/s have successfully passed the two year Probation period following the initial registration date of such program/s with the New York State Department of Labor.

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:

QED1005

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

1.	Does the bidder have an Apprenticeship Pro [Note: Participation may be by either direct	gram appropriat sponsorship or t	te for the ty hrough col	pe and scop lective barg	e of work to aining agreen	be performed? nent(s).]
		YES			NO	
2.	Has the bidder's Apprenticeship Program Commissioner of Labor?		d with, ar	nd approve	d by, the Ne	w York State
		YES			NO	
3.	Has the bidder's Apprenticeship Program opportunities?	had three yea	ers of succ	essful expe	erience in pr	oviding career
		YES			NO	
expe	e answer to Question #3 is "Yes", the bidd rience the Apprenticeship Program has had in s if necessary.	ler shall, in the providing care	space bel er opportur	ow, provid	e information bidder may at	regarding the tach additional
					· · · · · · · · · · · · · · · · · · ·	
				 _		

		and the state of t				
Bidd	ler:					
By:				Title:		,
-	(Signature of Partner or Corp	oorate Officer)				
Date	·		_			
CITY	OF NEW YORK	20	_			BID BOOKLET

DEPARTMENT OF DESIGN AND CONSTRUCTION

DECEMBER 2013

Project ID.	
•	

SAFETY QUESTIONNAIRE

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

1. Bidder Information:		
Company Name:		
DDC Project Number:		
Company Size: Ten (10)	employees or less	
Greater t	han ten (10) employees	
Company has previously worked for DDC	YES	NO
2. Type(s) of Construction Work		
TYPE OF WORK 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 Roofing, Siding, and Sheet Metal Concrete Work Specialty Trade Contracting Asbestos Abatement Other (specify)	LAST 3 YEARS	THIS PROJECT
Carpentry and Floor Work Roofing, Siding, and Sheet Metal Concrete Work Specialty Trade Contracting Asbestos Abatement		

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.	
		Intrastate and Interstate years of experience, the I			
YEAR		INTRASTATE RATE		<u>INTER</u> STATE RATE	
			-		
. ,			-	47-2-44-	
contractor must at	tach, to this		n explanation fo	s is greater than 1.00, the or the rating and identify that rating.	
4. OSHA Informa	tion:				
YES		actor has received a willf rtment of Buildings (NYC		ed by OSHA or New York City e last three years.	
YES	work- hours	Contractor has had an incident requiring OSHA notification within 8 hours (a work-related fatalities) or an incident requiring OSHA notification within 24 hours (all work-related in-patient hospitalizations, all amputations and all losses of an eye).			
employees, on a yea	arly basis to es". This for	ealth Act (OSHA) of 1976 complete and maintain or m is commonly referred to	file the form en	yers with ten or more titled "Log of Work-related 300 Log (OSHA 200 Log	
The OSHA 300 Log employees.	g must be sul	omitted for the last three	years for contract	tors with more than ten	
The Contractor mus payroll records for		e total number of hours we years.	orked by its emp	ployees, as reflected in	
past three years. For each given ye illnesses reported	The Incider ar, the tota on the OS	nt Rate is calculated in a line in the state of incidents in the state of incidents in the state of the state	accordance with s the total num ,000 hours rep	es (the Incident Rate) for the the formula set forth below the of non-fatal injuries an resents the equivalent of 10	
Incident Rate =		Total Number of Incidents X 200,000 Total Number of Hours Worked by Employees			
YEAR	TOTAL	NUMBERS OF HOURS W EMPLOYEES	ORKED BY	INCIDENT RATE	
	-				

22

Project	ID.	
~ ~ 0 0 0 0 0 0		

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	0.0
Painting and Paper Hanging	11.3
Electrical Work	6.9
Masonry, Stonework and Plastering	9.5
Carpentry and Floor Work	10.5
Roofing, Siding, and Sheet Metal	12.2
Concrete Work	10.3
	8.6
Specialty Trade Contracting	8.6

5. Safety Performance on Previous DDC Project(s)

YES NO	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:

(NO TEXT ON THIS PAGE)

Pre-Award Process

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

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

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

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

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

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

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

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

PROJECT REFERENCES – SIMILAR CONTRACTS COMPLETED BY THE BIDDER Ą.

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

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

CITY OF NEW YORK
DEPARTMENT OF DESIGN AND CONSTRUCTION

BID BOOKLET DECEMBER 2013

PROJECT REFERENCES – CONTRACTS CURRENTLY UNDER CONSTRUCTION BY THE BIDDER B.

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

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			

	CONSTRUCTION
CITY OF NEW YORK	DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY C	DEPAR

27

BID BOOKLET DECEMBER 2013

PROJECT REFERENCES – PENDING CONTRACTS NOT YET STARTED BY THE BIDDER ပ

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

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

CITY OF NEW YORK
DEPARTMENT OF DESIGN AND CONSTRUCTION

28

(NO TEXT ON THIS PAGE)

OFFICE OF THE MAYOR BUREAU OF LABOR SERVICES CONTRACT CERTIFICATE

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

Contractor:	
Telephone Number:	
Name and Title of Signatory:	
Contracting Agency or Owner:	
Project Number:	
Proposed Contract Amount:	
Description and Address of Proposed Contract:_	
Names of Subcontractors in the amount of 750,00 state indicating that trades will be subcontracted)	
	named contractor to certify that said contractor's or city agency is less than \$1,000,000. This affirmation 50 (1980) as amended and its implementing regulations.
Date	Signature

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.

(NO TEXT ON THIS PAGE)

VENDEX COMPLIANCE

- (A) <u>Vendex Fees:</u> 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:
Vend either	<u>lex Compliance</u> : To demonstrate compliance with Vendex requirements, the Bidder shall complete Section (1) or Section (2) below, whichever applies.
	(=) of the second (=) of the second s
(1)	<u>Submission of Vendex Questionnaires to MOCS</u> : 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 th 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 TWO ORIGINALS of the Certification of No Change set forth on the next page of this Bid Booklet.
	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

I,:	, being duly sworn, state that I have read
Enter Your Name	
and understand all the items contained in the vendor quest as identified on page one of this form and certify that as of changed. I further certify that, to the best of my knowledge are full, complete, and accurate; and that, to the best of my those answers continue to be full, complete, and accurate.	this date, these items have not e, information and belief, those answers howevelde, information, and belief.
In addition, I further certify on behalf of the submitting vend principal questionnaire(s) and any submission of change id not changed and have been verified and continue, to the be and accurate.	entified on page two of this form have
I understand that the City of New York will rely on the informadditional inducement to enter into a contract with the subm	mation supplied in this certification as nitting entity.
Vendor Questionnaire This section is required. This refers to the vendor questionnaire(s) submitted for the	·
Name of Submitting Entity:	
Vendor's Address:	
Vendor's EIN or TIN: Requesting	
Are you submitting this Certification as a parent? (Please of	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 ver	ndor:

Principal Questionnaire



This section refers to the most recent principal questionnaire submissions.

l	Principal Name	Date of signature on last full Principal Questionnaire	Date(s) of signature on submission of change
). •			
		ired. Please complete this twice. C	Copies will not be accepted.
Title	·		
Name of St	ıbmitting Entity		
Signature		· · · · · · · · · · · · · · · · · · ·	Date
Notarized By	/:		
Notary Pub	lic	County License Issued	License Number
			Licerise Number

Certificate of No Change Form

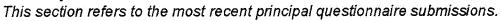


- Please submit two completed forms. Copies will not be accepted.
- Please send both copies to the agency that requested it, unless you are advised to send it directly to the Mayor's Office of Contract Services (MOCS).
- A materially false statement willfully or fraudulently made in connection with this 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

l,	peing duly sworn, state that I have read
Enter Your Name	5 , , , , , , , , , , , , , , , , , , ,
and understand all the items contained in the vendor questic as identified on page one of this form and certify that as of the changed. I further certify that, to the best of my knowledge, are full, complete, and accurate; and that, to the best of my lathose answers continue to be full, complete, and accurate.	nis date, these items have not information and belief, those answers
In addition, I further certify on behalf of the submitting vendo principal questionnaire(s) and any submission of change ide not changed and have been verified and continue, to the besand accurate.	ntified on page two of this form have
I understand that the City of New York will rely on the informated additional inducement to enter into a contract with the submit	ation supplied in this certification as tting entity.
Vendor Questionnaire This section is required. This refers to the vendor questionnaire(s) submitted for the v	rendor doing business with the City.
Name of Submitting Entity:	
Vendor's Address:	
Vendor's EIN or TIN: Requesting	
Are you submitting this Certification as a parent? (Please cir	cle one) Yes No
Signature date on the last full vendor questionnaire signed fo	r the submitting vendor:

Signature date on change submission for the submitting vendor:

Principal Questionnaire



Mayor's Office of Contract Services	

Principal Name	Date of signature on last full Principal Questionnaire	Date(s) of signature on submission of change
<u>Y</u>		
ertification This section is re his form must be signed and notariz Certified By: Name (Print)	· •	opies will not be accepted.
Title		
Name of Submitting Entity		
Signature		Date
Notarized By:		
Notary Public	County License Issued	License Number
Sworn to before me on:		

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:

[Plea	se Check One]	
BIDD	ER'S CERTIFICATION	
	behalf of any bidder/propo certifies as to its own org knowledge and belief, that	or proposal, each bidder/proposer and each person signing or ser certifies, and in the case of a joint bid each party thereto ganization, under penalty of perjury, that to the best of its each bidder/proposer is not on the list created pursuant to a 3 of Section 165-a of the State Finance Law.
	on the list created pursuant	ny name and the name of the bidder/proposer does not appear to paragraph (b) of subdivision 3 of Section 165-a of the State ned a signed statement setting forth in detail why I cannot so
		SIGNATURE
		PRINTED NAME
	to before me this day of, 20	TITLE
Notary	Public	_
Dated	l:	

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

33

(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

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:

Treated and the policy indicated made in your mode and to including contained in.					
CONTRACT FUNDING SOURCE	CONTRACTOR	CONTRACT VALUE	SUBMISSION REQUIREMENT		
Federal/Federally assisted	Prime and subcontractors	\$10,000 or greater	Construction Employment Report		
	Prime contractor	\$1,000,000 or greater			
City and state funded	Subcontractor	\$750,000 or greater			
		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:

Question 26:

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 <u>by name</u> 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.

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)

3. Position(s) of the conducted?

4. Was an investigation conducted?

Y/N

5. Current status of the disposition

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:

1. Name(s) of complainant(s)	2. Administrative agency or court in which action	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) 618-8878
GONSTRUCTION EMPLOYMENT REPORT

GENERAL INFORMATION

1.	Your contractual relationship in this contract is: Prime	e 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 like in City of New York as a:	nformation on how to certify with the
	Minority Owned Business Enterprise Women Owned Business Enterprise Disadvantaged Business Enterprise	_Locally Based Business Enterprise _Emerging Business Enterprise
2a.	If you are certified as an MBE, WBE, LBE, EBE or DBE, certified with? Are y	what city/state agency are you you DBE certified? Yes No
3.	Please indicate if you would like assistance from SBS in it contracting opportunities: Yes No	dentifying certified M/WBEs for
4.	Is this project subject to a project labor agreement? Yes	No
5.	Are you a Union contractor? Yes No If yes, with	please list which local(s) you affiliated
6.	Are you a Veteran owned company? Yes No	
PART	RT I: CONTRACTOR/SUBCONTRACTOR INFORMATION	
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) Contracting Agency (City Agency) Contract Amount
	(c) (d) Contract Registration Number (CT#)
	(e) (f) Projected Commencement Date Projected Completion Date
	(g) Description and location of proposed contract:
15.	Has your firm been reviewed by the Division of Labor Services (DLS) within the past 36 months and issued a Certificate of Approval? Yes No
	If yes, attach a copy of certificate.
16.	Has DLS within the past month reviewed an Employment Report submission for your company and issued a Conditional Certificate of Approval? Yes No
	If yes, attach a copy of certificate.
Wi	TE: DLS WILL NOT ISSUE A CONTINUED CERTIFICATE OF APPROVAL IN CONNECTION TH THIS CONTRACT UNLESS THE REQUIRED CORRECTIVE ACTIONS IN PRIOR NDITIONAL CERTIFICATES OF APPROVAL HAVE BEEN TAKEN.
17.	Has an Employment Report already been submitted for a different contract (not covered by this Employment Report) for which you have not yet received compliance certificate? Yes No If yes,
	Date submitted: Agency to which submitted: Name of Agency Person:
	Contract No:
18.	Has your company in the past 36 months been audited by the United States Department of Labor, Office of Federal Contract Compliance Programs (OFCCP)? Yes No
	If yes,

	(a) Na — —	me and address of OFCCP office.
	(b) Wa	is a Certificate of Equal Employment Compliance issued within the past 36 months? S No
	If y	es, attach a copy of such certificate.
	(c) We	re any corrective actions required or agreed to? Yes No
	If y	es, attach a copy of such requirements or agreements.
	(d) We	re any deficiencies found? Yes No
	If y	es, attach a copy of such findings.
19.	ıs respo	company or its affiliates a member or members of an employers' trade association which onsible for negotiating collective bargaining agreements (CBA) which affect construction ng? Yes No
	If yes, a	attach a list of such associations and all applicable CBA's.
PART	ГII: DOC	UMENTS REQUIRED
20.	brochu	following policies or practices, attach the relevant documents (e.g., printed booklets, res, 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?

:1.	To comply with the Immigration Reform and Control Act of 1986 when <u>and of whom</u> does your firm require the completion of an I-9 Form?
	(a) Prior to job offer (b) After a conditional job offer (c) After a job offer (d) Within the first three days on the job (e) To some applicants (f) To all applicants (g) To some employees (h) To all employees Yes No
22.	Explain where and how completed I-9 Forms, with their supportive documentation, are maintained and made accessible.
23.	Does your firm or any of its collective bargaining agreements require job applicants to take a medical examination? Yes No If yes, is the medical examination given: (a) Prior to a job offer
	If yes, list the document(s) and page number(s) where these written policies are located.
25.	Does the company have a current affirmative action plan(s) (AAP) Minorities and Women Individuals with handicaps Other. Please specify
26.	Does your firm or collective bargaining agreement(s) have an internal grievance procedure with respect to EEO complaints? Yes No
	If yes, please attach a copy of this policy.
	If no, attach a report detailing your firm's unwritten procedure for handling EEO complaints.

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

I, (print name of authorized official sig	ning)	hereby certify that
the information submitted herewith is submitted with the understanding that requirements, as contained in Chapte amended, and the implementing Rule behalf of the company to submit a cera monthly basis.	t compliance with New York City's er 56 of the City Charter, Executive as and Regulations, is a contractual	equal employment Order No. 50 (1980), as I obligation. I also agree on
Contractor's Name		
Name of person who prepared this Er	mployment Report	Title
Name of official authorized to sign on	behalf of the contractor	Title
Telephone Number		
Signature of authorized official	·	Date
If contractors are found to be underution 56 Section 3H, the Division of Labor 5 data and to implement an employment	Services reserves the right to reque	
Contractors who fail to comply with th noncompliance may be subject to the	·	or are found to be in
Willful or fraudulent falsifications of ar termination of the contract between the contracts for a period of up to five year criminal prosecution.	ne City and the bidder or contractor	and in disapproval of future
To the extent permitted by law and co Charter Chapter 56 of the City Charte and Regulations, all information provide	r and Executive Order No. 50 (198	0) and the implementing Rules
Only	y original signatures accepted.	
Sworn to before me this	day of 20	
Notary Public	Authorized Signature	Date

Page 6 Revised 8/13

FOR OFFICIAL USE ONLY: File No.

FRADES ONTRACT BID INFORMATION: USE OF SUBCONTRACTOR FORM A.

Do you plan to subcontractor work on this contract? Yes___ No_

If yes, complete the chart below. ر ن 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

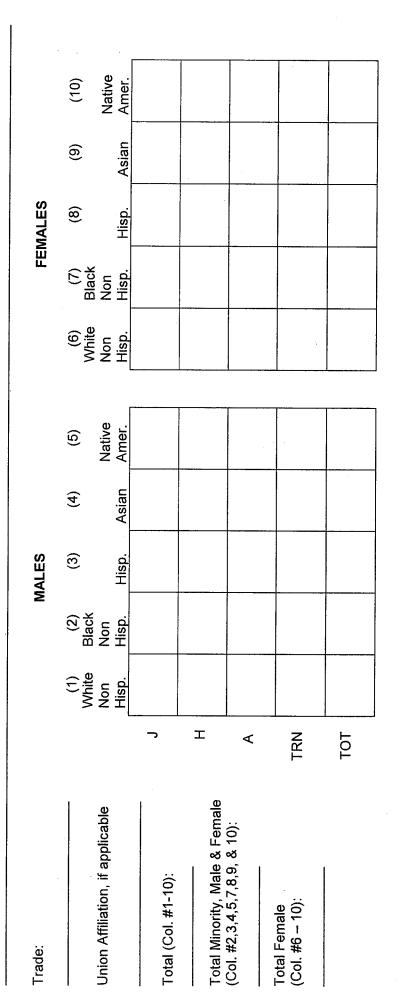
TRADE CLASSIFICATION CODES

(J) Journeylevel Workers (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)?

FOR OFFICIAL Revised 8/13 Page 9

ONLY: File No.

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

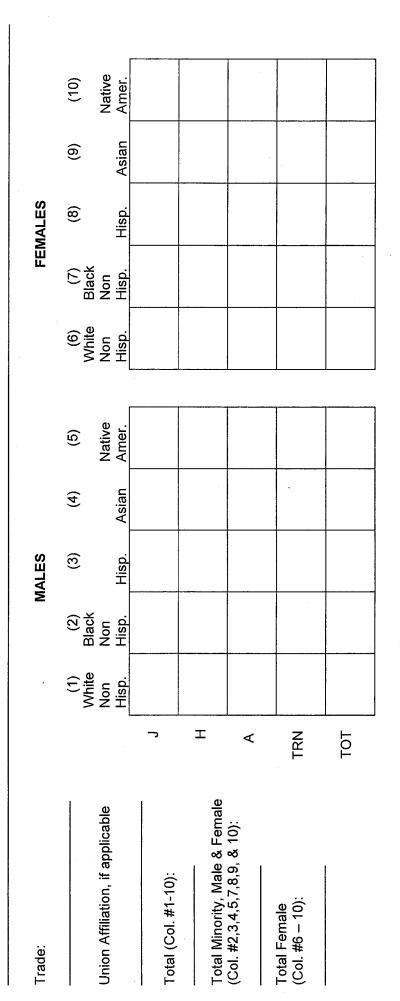
FORM C: CURRENT WORKFORCE

TRADE CLASSIFICATION CODES

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

(A) Apprentice (TRN) Trainee

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



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

Revised 8/13

ONLY: File No. FOR OFFICIAL

(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 10638 Phone: (212) 513 - 6323

Fax: (212) 618-8879 CONSTRUCTION EMPLOYMENT REPORT

GENERAL INFORMATION

1.	Your contractual relationship in this contract is:	rime contractor	_ Subcontractor <u>x</u>		
1a.	Are M/WBE goals attached to this project? Yes	No			
2.	Please check one of the following if your firm would like City of New York as a:	ke information on h	ow to certify with the		
	Minority Owned Business Enterprise Women Owned Business Enterprise Disadvantaged Business Enterprise		d Business Enterprise siness Enterprise		
2a.	If you are certified as an MBE, WBE, LBE, EBE or D certified with?				
3.	Please indicate if you would like assistance from SBS contracting opportunities: Yes No	in identifying certif	ied M/WBEs for		
4.	Is this project subject to a project labor agreement? Y	/es No			
5.	Are you a Union contractor? Yes No If yes, please list which local(s) you affiliated with				
6.	Are you a Veteran owned company? Yes No _				
PART	T I: CONTRACTOR/SUBCONTRACTOR INFORMATION	ON			
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 N	umber		
11.	Designated Equal Opportunity Compliance Officer (If same as Item #10, write "same")	Telephone N	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:	·
15.	Has your firm been reviewed by the Division of Lal and issued a Certificate of Approval? Yes No	
	If yes, attach a copy of certificate.	
16.	Has DLS within the past month reviewed an Emploand issued a Conditional Certificate of Approval?	oyment Report submission for your company Yes No
	If yes, attach a copy of certificate.	
WI.	TE: DLS WILL NOT ISSUE A CONTINUED CERT TH THIS CONTRACT UNLESS THE REQUIRED ON NOITIONAL CERTIFICATES OF APPROVAL HAV	ORRECTIVE ACTIONS IN PRIOR
17.	Has an Employment Report already been submitted Employment Report) for which you have not yet refers	
	Date submitted: Agency to which submitted: Name of Agency Person: Contract No: Telephone:	
18.	Has your company in the past 36 months been au Labor, Office of Federal Contract Compliance Pro-	dited by the United States Department of
	If yes,	

)	(a) Nar ——	(a) Name and address of OFCCP office.	
		(b) Was a Certificate of Equal Employment Compliance issued within the past 36 months? Yes No	
-	If yes, attach a copy of such certificate.		
	(c) Were any corrective actions required or agreed to? Yes No		
	If yes, attach a copy of such requirements or agreements.		
	(d) Were any deficiencies found? Yes No		
	If yes, attach a copy of such findings.		
19.	Is your company or its affiliates a member or members of an employers' trade association which is responsible for negotiating collective bargaining agreements (CBA) which affect construction site hiring? Yes No		
	If yes, a	attach a list of such associations and all applicable CBA's.	
PART	II: DOC	UMENTS REQUIRED	
20.	brochur	For the following policies or practices, attach the relevant documents (e.g., printed booklets, prochures, manuals, memoranda, etc.). If the policy(ies) are unwritten, attach a full explanation of the practices. See instructions.	
	(a)	Health benefit coverage/description(s) for all management, nonunion and union employees (whether company or union administered)	
	(b)	Disability, life, other insurance coverage/description	
	(c)	Employee Policy/Handbook	
	(d)	Personnel Policy/Manual	
	(e)	Supervisor's Policy/Manual	
	(f)	Pension plan or 401k coverage/description for all management, nonunion and union employees, whether company or union administered	
	(g)	Collective bargaining agreement(s).	
	(h)	Employment Application(s)	
	(i)	Employee evaluation policy/form(s).	
	(j)	Does your firm have medical and/or non-medical (i.e. education, military, personal, pregnancy, child care) leave policy?	

1.	To comply with the Immigration Reform and Control Act of 1986 when and of whom does your firm require the completion of an I-9 Form?
-	(a) Prior to job offer (b) After a conditional job offer (c) After a job offer (d) Within the first three days on the job (e) To some applicants (f) To all applicants (g) To some employees (h) To all employees Yes No Yes No
2.	Explain where and how completed I-9 Forms, with their supportive documentation, are maintained and made accessible.
3.	Does your firm or any of its collective bargaining agreements require job applicants to take a medical examination? Yes No
	If yes, is the medical examination given:
	(a) Prior to a job offer Yes No (b) After a conditional job offer Yes No (c) After a job offer Yes No (d) To all applicants Yes No (e) Only to some applicants Yes No
	If yes, list for which applicants below and attach copies of all medical examination or questionnaire forms and instructions utilized for these examinations.
4.	Do you have a written equal employment opportunity (EEO) policy? Yes No
	If yes, list the document(s) and page number(s) where these written policies are located.
5.	Does the company have a current affirmative action plan(s) (AAP) Minorities and Women Individuals with handicaps Other. Please specify
6.	Does your firm or collective bargaining agreement(s) have an internal grievance procedure with respect to EEO complaints? Yes No
	If yes, please attach a copy of this policy.
	If no, attach a report detailing your firm's unwritten procedure for handling EEO complaints.

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
r	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

(print name of authorized official signing) hereby certify that the information submitted herewith is true and complete to the best of my knowledge and belief and submitted with the understanding that compliance with New York City's equal employment equirements, as contained in Chapter 56 of the City Charter, Executive Order No. 50 (1980), as smended, and the implementing Rules and Regulations, is a contractual obligation. I also agree on behalf of the company to submit a certified copy of payroll records to the Division of Labor Services on a monthly basis.					
Contractor's Name					
Name of person who prepared this I	Employment Report	Title			
Name of official authorized to sign of	n behalf of the contractor	Title			
Telephone Number					
Signature of authorized official		Date			
If contractors are found to be undered 56 Section 3H, the Division of Labor data and to implement an employment	Services reserves the right	ales in any given trade based on Chapter nt to request the contractor's workforce			
Contractors who fail to comply with the above mentioned requirements or are found to be in noncompliance may be subject to the withholding of final payment.					
Willful or fraudulent falsifications of termination of the contract between contracts for a period of up to five yeariminal prosecution.	the City and the bidder or	contractor and in disapproval of future			
To the extent permitted by law and Charter Chapter 56 of the City Char and Regulations, all information pro	ter and Executive Order N	discharge of DLS' responsibilities under o. 50 (1980) and the implementing Rules LS shall be confidential.			
O	nly original signatures ad	ccepted.			
Sworn to before me this	_ day of 20 _				
Notary Public	Authorized Signature	Date			

DNTRACT BID INFORMATION: USE OF SUBCONTRACTO TRADES FORM A.

Do you plan to subcontractor work on this contract? Yes___ No_

If yes, complete the chart below. 2

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.

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

*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 (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.

Trade:			2	MALES				Ш	FEMALES		
Union Affiliation, if applicable		(1) White Non	(2) Black Non	(3)	(4)	(5) Native	(6) White Non	(7) Black Non	(8)	(6)	(10) Native
		Hisp.	Hisp.	Hisp.	Asian	Amer.	Hisp.	Hisp.	Hisp.	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										
	-	***************************************									

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

Revised 8/13 FOR OFFICIAL Page 9

ONLY: File No.

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

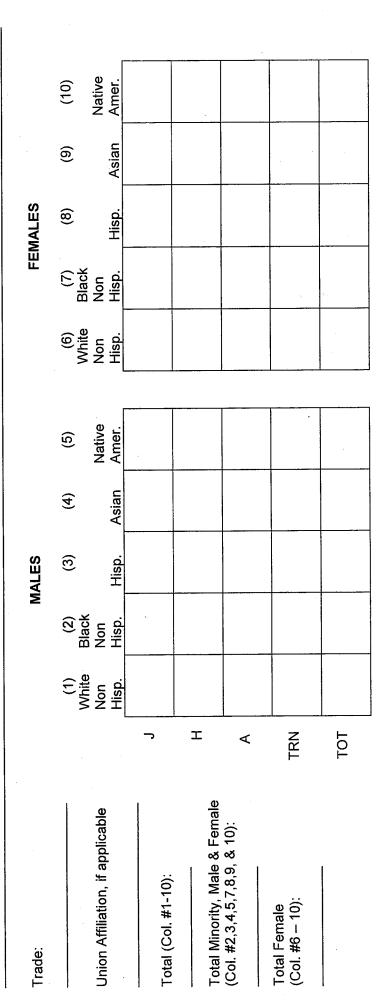
FORM C: CURRENT WORKFORCE

TRADE CLASSIFICATION CODES

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

(A) Apprentice (TRN) Trainee

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



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

Revised 8/13 Page 11

ONLY: File No. FOR OPFICIAL

What are the recruitment sources for 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 Compiliance Unit 110 William Street, New York, New York 1888 Phone: (212) 513 – 6323 Fax: (212) 618-8879

Data	File Rumber
	sconuract certificate and icip only)
Are you currently certified as one of the following? Please	check yes or no:
MBE YesNo WBE YesNo	LBE YesNo
DBE YesNo EBE YesNo	
If you are certified as an MBE, WBE, LBE, EBE or DBE, wh	nat city/state agency are you certified with?
Please check one of the following if your firm would like info	ormation on how to certify with the City of New York as a
Minority Owned Business Enterprise	Locally based Business Enterprise
Women Owned Business Enterprise	Emerging Business Enterprise
Disadvantaged Business Enterprise	
Company Name	Employer Identification Number or Federal Tax I.D
Company Address and Zip Code	
Contact Person (First Name, Last Name)	Telephone Number
Fax Number	E-mail Address
Description and location of proposed subcontract:	
Are you a Union contractor? Yes No If yes, pl	lease list which local(s) you affiliated with
Are you a Veteran owned company? Yes No	
Procurement Identification Number (PIN) (City contracts only)	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 to certify that said subcontractor ncy is less than \$750,000. This affirmation is r Order No. 50 (1980) and the implementing Rule	made in accordance with NYC
contract between the City and th	of any data or information submitted herewith the bidder or contractor and in disapproval of ful ation may result in civil and/and or criminal pro	ture contracts for a period of up to
Signature of authorized official		Date
Sworn to before me this	Only original signatures accepted day of 20	
Notary Public	Authorized Signature	Date



INFRASTRUCTURE DIVISION BUREAU OF DESIGN

VOLUME 1 OF 3

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

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

	Contractor
Dated	 , 20



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: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

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



FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PREPARED BY IN-HOUSE DESIGN

June 24, 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 ENVIRONMENTAL PROTECTION PREPARED BY IN-HOUSE DESIGN

June 24, 2015

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 is 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.

ARTICLE 14 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.

(NO TEXT ON THIS PAGE)

NEW YORK CITY STANDARD CONSTRUCTION CONTRACT (DEC. 2013) INSURANCE RIDER

The following provisions supersede the corresponding provisions in the December 2013 version of the New York City Standard Construction Contract:

- 1. Section 22.1.1(c) provides as follows:
 - 22.1.1(c) If the **Work** requires a permit from the Department of Buildings pursuant to 1 RCNY Section 101-08, the **Contractor** shall provide Commercial General Liability Insurance with limits of at least those required by 1 RCNY section 101-08 or greater limits provided by the Agency in Schedule A. If the Work does not require such a permit, the minimum limits shall be those provided for in Schedule A.
- 2. Section 22.3.3 provides as follows:
 - 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 thereunder; (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; and (d) the company code issued to the insurance company by the National Association of Insurance Commissioners (the NAIC number). All such Certificates of Insurance shall be accompanied by the required additional insured endorsements and either a duly executed "Certification by Insurance Broker or Agent" 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.

(NO TEXT ON THIS PAGE)

CITY OF NEW YORK

DEPARTMENT OF DESIGN AND CONSTRUCTION DIVISION OF INFRASTRUCTURES

INFORMATION FOR BIDDERS

JUNE 2015

(NO TEXT ON THIS PAGE)

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

TABLE OF CONTENTS

SECTION 1.	DESCRIPTION AND LOCATION OF WORK	1
SECTION 2.	TIME AND PLACE FOR RECEIPT OF BIDS	1
SECTION 3.	DEFINITIONS	1
SECTION 4.	INVITATION FOR BIDS AND CONTRACT DOCUMENTS	1
SECTION 5.	PRE-BID CONFERENCE	• 🤈
SECTION 6.	AGENCY CONTACT	2
SECTION 7.	BIDDER'S OATH	2
SECTION 8.	EXAMINATION AND VIEWING OF SITE,	
	CONSIDERATION OF OTHER SOURCES OF INFORMATION	
	AND CHANGED CONDITIONS	2
SECTION 9.	EXAMINATION OF PROPOSED CONTRACT	3
SECTION 10.	FORM OF BID	3
SECTION 11.	IRREVOCABILITY OF BID	3
SECTION 12.	ACKNOWLEDGMENT OF AMENDMENTS	4
SECTION 13.	BID SAMPLES AND DESCRIPTIVE LITERATURE	4
SECTION 14.	PROPRIETARY INFORMATION/TRADE SECRETS	4
SECTION 15.	PRE-OPENING MODIFICATION OR WITHDRAWAL OF BIDS	4
SECTION 16.	BID EVALUATION AND AWARD	4
SECTION 17.	LATE BIDS, LATE WITHDRAWALS AND LATE MODIFICATIONS	5
SECTION 18.	WITHDRAWAL OF BIDS.	5
SECTION 19.	MISTAKE IN BIDS	5
SECTION 20.	LOW TIE BIDS	6
SECTION 21.	REJECTION OF BIDS	6
SECTION 22.	RIGHT TO APPEAL DETERMINATIONS OF	v
	NON-RESPONSIVENESS OR NON-RESPONSIBILITY AND	
	RIGHT TO PROTEST SOLICITATIONS AND AWARD	7
SECTION 23.	AFFIRMATIVE ACTION AND EQUAL	•
	EMPLOYMENT OPPORTUNITY	7
SECTION 24.	VENDEX QUESTIONNAIRES	7
SECTION 25.	COMPLAINTS ABOUT THE BID PROCESS	8
SECTION 26.	BID, PERFORMANCE AND PAYMENT SECURITY	8
SECTION 27.	FAILURE TO EXECUTE CONTRACT	9
SECTION 28.	BIDDER RESPONSIBILITIES AND QUALIFICATIONS	ģ
SECTION 29.	EMPLOYMENT REPORT	10
SECTION 30.	LABOR LAW REQUIREMENTS	10
SECTION 31.	INSURANCE	10
SECTION 32.	LUMP SUM CONTRACTS	11
SECTION 33.	UNIT PRICE CONTRACTS	11
SECTION 34.	EXCISE TAX	11
SECTION 35.	LICENSES AND PERMITS	11
SECTION 36.	MULTIPLE PRIME CONTRACTORS	11
SECTION 37.	LOCALLY BASED ENTERPRISE REQUIREMENTS (LBE)	12
SECTION 38.	BID SUBMISSION REQUIREMENTS	13
SECTION 39.	COMPTROLLER'SCERTIFICATE	14
SECTION 40.	PROCUREMENT POLICY BOARD RULES	14
SECTION 41.	DDC SAFETY REQUIREMENTS	14

i

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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. Time and Place for Receipt of Bids

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

3. Definitions

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

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

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

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

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

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

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

6. Agency Contact

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

7. 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

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

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

9. Examination of Proposed Contract

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

10. Form of Bid

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

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

11. Irrevocability of Bid

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

12. Acknowledgment of Amendments

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

13. 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. Proprietary Information/Trade Secrets

- (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.

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

17. Late Bids, Late Withdrawals and Late Modifications

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

18. Withdrawal of Bids.

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

19. Mistake in Bids

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

(B) Mistakes Discovered Before Award

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

therein is strictly prohibited.

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

20. 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) Rejection of All Bids: The Agency, upon written approval by the Agency Chief Contracting Officer, may reject all bids and may elect to resolicit bids if in its sole opinion it shall deem it in the best interest of the City so to do.
- (C) <u>Rejection of All Bids and Negotiation With All Responsible Bidders</u>: The Agency Head may determine that it is appropriate to cancel the Invitation For Bids after bid opening and before award and to complete the acquisition by negotiation. This determination shall be based on one of the following reasons:

DEPARTMENT OF DESIGN AND CONSTRUCTION

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

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

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

23. Affirmative Action and Equal Employment Opportunity

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

24. <u>VENDEX Questionnaires</u>

- (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

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

25. Complaints About the Bid Process

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

26. Bid, Performance and Payment Security

- (A) Bid Security: Each bid must be accompanied by bid security in an amount and type specified in Attachment 1 (page A-1 of the Bid Booklet). The bid security shall assure the City of New York of the adherence of the bidder to its proposal, the execution of the Contract, and the furnishing of Performance and Payment Bonds by the bidder, if required in Attachment 1. Bid security shall be returned to the bidder as follows:
 - (1) Within ten (10) days after the bid opening, the Comptroller will be notified to return the deposits of all but the three (3) lowest bidders. Within five (5) days after the award, the Comptroller will be notified to return the deposits of the remaining two unsuccessful bidders.
 - (2) Within five (5) days after the execution of the Contract and acceptance of the Contractor's bonds, the Comptroller will be notified to return the bid security of the successful bidder or, if performance and payment bonds are not required, only after the sum retained under Article 21 of the Contract equals the amount of the bid security.
 - (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 http://www.fms.treas.gov/c570/index.html, 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) <u>Records</u>: The Contractor is expected to submit accurate payroll reports and other required documents and verify attendance and job classifications being utilized in compliance with the law, Contract provisions and agency procedures.

Insurance

- (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. <u>Unit Price Contracts</u>

- (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) Variations from Engineer's Estimate: 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) Overruns: 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. <u>Licenses and Permits</u>

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:
 - (a) attendance at prebid meetings, when scheduled by the agency, to advise bidders of contract requirements;

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

The following forms, all of which are contained in the Bid Booklet, 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) M/WBE Subcontactor 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) Special Experience Requirements (if applicable to this contract)
- (9) Apprenticeship Program Questionnaire (if applicable)

FAILURE TO SUBMIT ITEMS (4) THROUGH (9) MAY RESULT IN THE DISQUALIFICATION OF THE BID.

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

June 2015

THE DDC SAFETY REQUIREMENTS INCLUDE THE FOLLOWING SECTIONS:

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

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support Quality Assurance and Construction Safety

I. POLICY ON SITE SAFETY

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

- U. S. Department of Labor 29 Code of Federal Regulations (CFR) Part 1926 and applicable Sub-parts of Part 1910 U.S. Occupational Safety and Health Administration (OSHA); 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 16 NYCRR Part 753
- Title 15 of the Rules of the City of New York, Chapter 13 Citywide Construction Dust Mitigation
- Manual on Uniform Traffic Control Devices (MUTCD)
- ☐ Title 15 of the Rules of the City of New York, Chapter 28 Citywide Construction Noise Mitigation

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 hazards, 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 QA&CS 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 QA&CS within the Division of Program Management/ Safety & Site Support that assesses contractor safety on DDC jobsites and advises responsible parties of needed corrective actions.

16

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support—Quality Assurance and Construction Safety

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").

Daily Safety Job Briefing: Daily jobsite safety meetings, giving to all jobsite personnel by contractor, with the purpose of discussing project specific safety procedures for the scheduled construction work.

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

Job Hazard Analysis (JHA): A process of identifying the major job steps and any potential site-specific hazards that may be present during construction and establishing the means and methods to eliminate or control those hazards.

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.

Project Site: Those areas indicated in the Contract Documents where the Work is to be performed.

Project Safety Representative: The designated project safety representative shall have completed an authorized 30 hour OSHA Construction Safety Course and other safety training applicable to Contractor's/subcontractor's project work. Except in instances where a dedicated Project Safety Manager is required, a Project Safety Representative may also function as a superintendent, foreman or crew leader on the Project, but must have sufficient experience and authority to undertake corrective actions and must qualify to be a competent person. No work is to be performed on site when a Project Safety Representative is not present.

Project Safety Manager: A dedicated, full-time project safety manager may be a contractual requirement on large projects or projects deemed by DDC to be particularly high risk. This would be in addition or in lieu of a Contractor's Project Safety Representative. This individual shall not have any other assigned duties. This individual shall have received, at a minimum an authorized 30 hour OSHA Construction Safety Course. Other examples of acceptable training are OSHA Safety and Health Standards for the Construction Industry training program (OSHA 510), Certified Safety Professional (CSP), Certified Industrial Hygienist (CIH) or a degree/certificate in a safety and health from a college-level curriculum.

A Project Safety Manager shall possess the additional training, years of experience, and skills necessary to thoroughly understand the health and safety hazards and controls for large construction projects, including the full scope of the specific Work.

QA&CS - Quality Assurance and Construction Safety of the New York City Department of Design and Construction.

JUNE 2015

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support-Quality Assurance and Construction Safety

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 Construction Management firm, 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 Manager: For certain projects, as defined in NYC Construction Codes – Title 28, the Contractor shall provide a Site Safety Manager with a Site Safety Manager License issued by the NYC Department of Building.

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 procedures 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.

Work: The construction required by the Contract Documents whether completed or partially completed, performed by the Contractor/ subcontractors. Work refers to the furnishing of labor, furnishing and incorporating materials and equipment into the construction and providing any service required by the Contract Documents to fulfill the Contractor's obligation to complete the Project.

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. DDC or CM Resident Engineer / Construction Project 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 meetings and daily safety job briefings.
- 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 and
 Accident Notification and Response Protocol.
- Gathers facts related to all accidents and prepares DDC Construction Accident Report.

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support—Quality Assurance and Construction Safety

- Notifies the Construction Safety Unit within two (2) hours of the start of an inspection by any outside regulatory agency personnel, including OSHA, NYC DOB or others and forwards a copy of the inspection report within three days of its receipt.
- Monitors the conditions at the site for conformance with the contractor's 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 contractor's 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 unsafe or unhealthy condition and directs the contractor to provide such labor, materials, equipment and supervision to abate such conditions.
- Escort and assist QA&CS Construction Safety Auditors during the field and record inspections.
- Reports emergency conditions to the Construction Safety Unit immediately.

B. Contractors

- Submit a completed Safety Questionnaire and other safety performance related documentation with its bid or as part of a pre-qualification package.
- Complete a written Job Hazard Analysis (JHA) that identifies safety hazards for project specific work
 tasks and hazard control methods. A written JHA shall be available at the site for reference and
 included in the Site Safety Plan submitted by the contractor.
- Submit a Site Safety Plan and Safety Program within 30 days from the Award Date 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.
- Develop project specific safety procedures to protect general public during all construction activities for the duration of the project.
- Ensure that all employees are aware of the hazards associated with the project through documented
 formal and informal training and/or other communications. Conduct and document weekly safety
 meetings and daily job briefing sessions for the duration of the project. Documentation to be provided
 to the RE/CPM on a monthly basis.
- Name the Project Safety Representative and Project Safety Manager, if required. The Contractor will
 be required to identify the Project Safety Representative and Project Safety Manager in the Site Safety
 Plan. Resumes, outlining the qualification and experience for the Project Safety Representative and
 Project Safety Manager, shall be available upon request. DDC reserves the right to request that the
 Contractor replace any Project Safety Representative or Project Safety Manager for any reason at any
 time during the project.
- Name a Competent Person(s), The Contractor will be required to identify a Competent Person(s) 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.
- Conduct applicable safety training prior to the commencement of work at the site. All training records (OSHA 10-hour, flagger, scaffold, fall protection, confined space entry, etc.) shall be provided to the RE/CPM prior to mobilization, included in the Site Safety Plan, kept current during the course of the project, and available for review. Prior to performing any work on DDC project all employees shall have successfully completed, within the previous five calendar years, a 10 Hour OSHA construction safety course.
- As part of the Site Safety Plan, prepare a site specific programs and plans, such as MPT plan, steel
 erection plan, confined space program, fall protection plan, demolition plan, etc. (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

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support- Quality Assurance and Construction Safety

controls that will be used to protect workers, the general public and property. The Project Safety Representative and/or Project Safety Manager will conduct this training prior to mobilization and provide documentation to the RE/CPM.

- 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 or unhealthy conditions to the RE/CPM as soon as practical, but no more than 24 hours after discovery, and take prompt actions to remove or abate such conditions.
- Report any accidents involving injuries to workers or the general public, as well as property damage, to the RE/CPM within one (1) hour.
- Following an accident, the Contractor shall not remove or alter any equipment, structure, material, or
 evidence related to the accident. Exception: Immediate emergency procedures taken to secure
 structures, temporary construction, operations, or equipment that pose a continued imminent danger or
 facilitate assistance for persons who are trapped or who have sustained bodily injury.
- Notify the RE/CPM within one (1) hour of the start of an inspection by any outside regulatory agency personnel, including OSHA, NYC DOB or others.
- Maintain all records pertaining to all required compliance documents and accident and injury reports.
- Address 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 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 company workers' compensation experience modification rating and OSHA Incident 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 information within 15 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 (3) years; and Criteria 4: A fatality (worker or member of public) and injuries, requiring OSHA notification,

experienced on or near Contractor's worksite within the last three (3) years; and

Criteria 5: Past safety performance on DDC projects (accidents; status of safety program and site safety plan submittals; etc.)

Criteria 6: OSHA violation history for the last three (3) years;

Criteria 7: Contractor shall provide OSHA Injury and Illness Records (currently OSHA 300 and 300A Logs) 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 details concerning the Contractor's safety experience. DDC may request the Contractor to provide copies of, among other things, accident investigation reports, OSHA records, OSHA and NYC DOB citations, EPA citations and written corrective action plan.

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support—Quality Assurance and Construction Safety

VI. SAFETY PROGRAM AND SITE SAFETY PLAN

Within thirty (30) days from the Award Date, 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 standards. The Site Safety Plan shall identify project work scope, safety hazards associated with the project tasks, and include specific safety procedures 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.

<u>Safety Program:</u> Corporate Safety Program established by the Contractor that includes the Contractor's overall safety policy, regulatory compliance plan and basic safety procedures covering all aspects of construction operations, performed by the Contractor. The Safety Program shall be a written document with a separate section describing each element of the Safety Program. The Safety Program shall have at minimum the following elements applicable to the Contractor's operations:

- Responsibility and Organization Contractor's company organization chart, including titles, names, contact information, roles and responsibilities for key personnel, etc.
- Safety Training Program Contractor's corporate training program.
- Hazard Corrective Actions Criteria for safety inspections, identification of safety noncompliances, implementation and verification of corrective actions, forms to document safety inspections results, etc.
- Accident/Exposure Investigation
- Recordkeeping and Reporting Injuries Responsible staff; reporting and recording criteria; OSHA 300 and 300A form completion, etc.
- Fire Protection and Prevention Program
- Housekeeping
- Illumination
- Sanitation
- Personal Protective Equipment (PPE) Company policy for the use of head protection, foot protection, hearing protection, eye and face protection, protective clothing, and any additional protective equipment based on work tasks; PPE inspection and replacement policy.
- Hazard Communication Program
- Employee Emergency Action Plan
- Protection of Underground Facilities and Utilities
- Ionizing/Nonionizing Radiation
- Material Handling, Storage, Use and Disposal
- Tools Hand and Power
- Signs, Signals, and Barricades
- Scaffold Local Law 52 requirements, installation, use, inspection, dismantling, training and general safety requirements.

21

- Welding and Cutting
- Electrical Safety
- Fall Protection
- Cranes, Derrick, Hoists, Elevators, Conveyors
- Excavation Safety
- Concrete and Masonry Construction
- Maintenance and Protection of Traffic
- Steel Erection
- Demolition
- Blasting and the Use of Explosives
- Stairways and Ladders

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support- Quality Assurance and Construction Safety

- Toxic and Hazardous Substances
- Alcohol and Drug Abuse Policy
- Rodents and Vermin
- Occupational Noise Exposure
- Confined Space Program General confined Space Program: training requirements, confined space hazard evaluation procedure, atmospheric testing procedure, confined space classification, permit-required procedure, communication procedure, rescue procedure, forms, etc.
- Construction Vehicles/Heavy Equipment
- Dust Control Procedures

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

- Project Work Scope Detailed information regarding work tasks that will be performed by contractor and subcontractors under the project.
- Responsibility and Organization Contractor's organization chart with responsible staff for the project, including titles, names, contact information, roles and responsibilities.
- Safety Training and Education OSHA 10 Hours training, requirements for daily safety briefings
 and weekly safety meetings, any work task specific training, responsible staff for implementation
 of training program for the project.
- Job Hazard Analysis (JHA) Project specific Job Hazard Analysis including work tasks, identified hazards, hazard control methods (administrative, engineering, PPE), contractor's name, project id, location, name and signature of a certifying person, hazard assessment date.
- Protection of Public
- Hazard Corrective Actions Responsible staff, forms, frequency of safety inspections and implementation of corrective actions.
- Accident/Exposure Investigation Accident/incident notification procedure of DDC project staff. Project specific procedures for accident investigation and implementation of corrective actions.
- First Aid and Medical Attention Responsible staff, location and inspection of First Aid kit, directions to local hospitals; emergency telephone numbers.
- Project Specific Fire Protection and Prevention Program.
- Project Specific Illumination Procedure.
- Project Specific Sanitation Procedure.
- Personal Protective Equipment (PPE)
- Hazard Communication Program Responsible staff; training; SDS records, project specific list of chemical; location of the program and SDS records.
- Means of Egress Information regarding free and unobstructed egress from all parts of the building or structure; exit marking; maintenance of means of egress, etc.
- Employee Emergency Action Plan Project specific: responsible staff, emergency alarm system, evacuation procedure, procedure to account for employees after evacuation, etc.
- Evacuation Plan Project specific evacuation plan (drawing/scheme) with exists and evacuation routes.
- Protection of Underground Facilities and Utilities, including responsible staff.
- Ionizing/Nonionizing Radiation Competent person, license and qualification requirements, type of radiation, employees exposure and protection, etc.
- Material Handling, Storage, Use and Disposal Project specific information regarding material storage and disposal.
- Signs, Signals, and Barricades Use of danger/warning signs, sidewalk closure, safety instruction signs, pedestrian fencing and barricades, etc.
- Scaffold Project specific scaffold types, training, scaffold drawings, competent person, criteria for project specific scaffold, falling object protection.

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support-Quality Assurance and Construction Safety

Welding and Cutting - project specific procedure for welding and cutting, including all necessary safety requirements such as fire prevention, personal protective equipment, hot work permits, FDNY certificate requirements.

Fall Protection - Project specific information regarding selected fall protection systems, fall

protection plan.

Cranes, Derrick, Hoists, Elevators, Conveyors - project specific equipment information including type, rated load capacity, manufacture specification requirements, competent person, exposure to falling load, inspection, recordkeeping, clearance requirements, communication procedure, ground lines, permits.

Excavation Safety - Competent person, project specific protective system.

Maintenance and Protection of Traffic Plan - Project specific MPT plan, flagmen training.

Steel Erection - Site specific erection plan, requirements for applicable written notifications,

competent person.

Demolition - Engineering survey, including written evidence, disconnection of all effected utilities, identification of all hazardous chemicals, materials, gases, etc., floor openings, chutes, inspection and maintenance of all stairs/passageways, removal of materials/debris/structural elements, lock out/tag out, competent person.

Blasting and the Use of Explosives - Project specific safety procedures, warning signs, training/qualification, transportation, storage and use of explosives, inspection.

Toxic and Hazardous Substances - Safety procedures for substances to be used on project.

Noise Mitigation Plan - Completed project specific Noise Mitigation Plan.

Confined Space Program - Project specific Confined Space Program, responsible staff, training records, equipment information, rescue procedure, list of project specific confined spaces, forms.

Construction Vehicles/Heavy Equipment - Type of construction vehicles/heavy equipment to be

Dust Mitigation Plan - Completed project specific Dust Mitigation Plan.

The most critical component of the Site Safety Plan is the Job Hazard Analysis (JHA) section. The JHA form is a written document prepared by the contractor. The contractor must conduct a site and task assessment JHA to identify the major job steps and any potential safety or environmental hazards related to performance of the work, eliminate or implement controls for the potential hazards, and identify proper personal protective equipment for the task. The JHA shall be communicated to all contractor/subcontractor personnel on site.

The initial Job Hazard Assessment form shall be included in the contractor's Site Safety Plan and the

current form shall be available at the construction site for reference.

Certain DDC programs, such as Job Order Contracting System (JOCS), may not necessarily require Site Safety Plans. The JOCS contractor shall submit a Safety Program. The Site Safety Plan requirement for the JOCS contractor will be determined by QA&CS based on a project work scope, construction activities and project location. In addition, certain DDC Operating Units may establish client-specific program or safety requirements. The contractor's Site Safety Plan must address such client-specific program or safety requirements.

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

RE/CPM shall invite QA&CS Construction Safety Unit to the construction kick-off meeting. A QA&CS representative will participate in this meeting with the Contractor and RE/CPM 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 QA&CS personnel.

City of New York Department of Design and Construction: Safety Requirements Safety and Site Support-Quality Assurance and Construction Safety

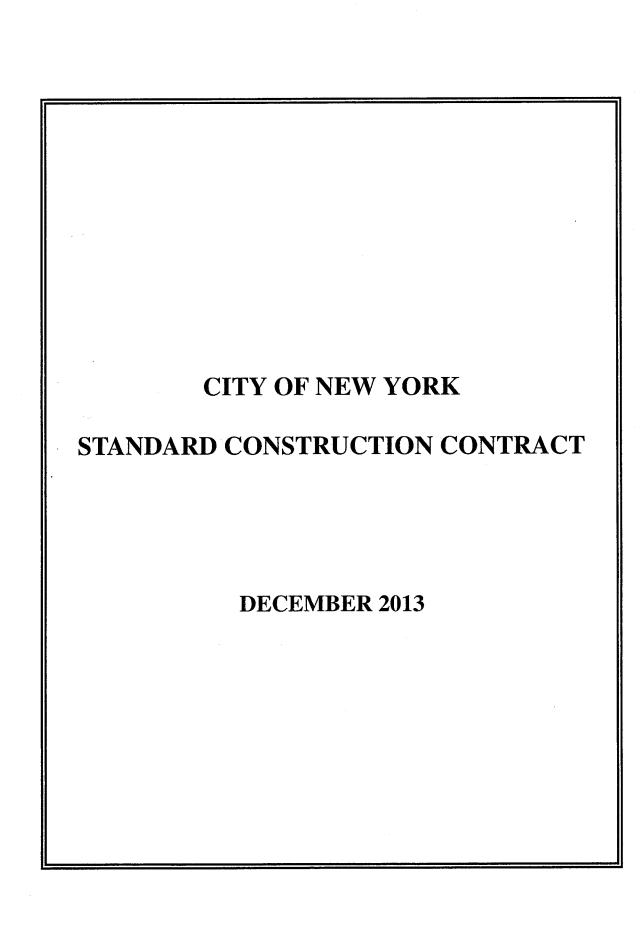
VIII. EVALUATION DURING WORK IN PROGRESS

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 Project 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 have these records available upon request. Any critical deficiencies shall be immediately reported to QA&CS 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 QA&CS, or his/her designee will meet with the Contractor's Project Safety Representative and or Project Safety Manager, the DDC Project Manager, the RE/CPM, and 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 within 1 hour inform the RE/CPM/CM of all accidents/incidents including all fatalities, any injuries to employees or members of the general public, and property damage (e.g., structural damage, equipment rollovers, utility damage, loads dropped from crane). The RE/CPM shall notify the Construction Safety Unit as per DDC's Construction Safety Emergency and Accident Notification and Response Protocol and shall maintain a record of all contractor accidents/incidents for the project.
- F. The Construction Safety Unit shall be notified within two (2) hours of the start of any NYS-DOL/NYC-COSH/OSHA/EPA inspections.

IX. SAFETY PERFORMANCE EVALUATION

The contractor's safety record, including accident/incident history and DDC safety 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 may 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.



(NO TEXT ON THIS PAGE)

TABLE OF CONTENTS

CHAPTER I		
THE CONTRA	ACT AND DEFINITIONS	
ARTICLE 1.	THE CONTRACT	1
ARTICLE 2.	DEFINITIONS	1
CHAPTER II		
THE WORK A	ND ITS PERFORMANCE	
ARTICLE 3.	CHARACTER OF THE WORK	_
ARTICLE 3.		4
ARTICLE 4.	MEANS AND METHODS OF CONSTRUCTION COMPLIANCE WITH LAWS	4
ARTICLE 5.	INSPECTION	5
ARTICLE 0.	PROTECTION OF WORK AND OF PERSONS AND	10
ARTICLE /.		
	PROPERTY; NOTICES AND INDEMNIFICATION	11
CHAPTER III		
TIME PROVIS	<u>IONS</u>	
ARTICLE 8.	COMMENCEMENT AND PROSECUTION OF THE WORK	12
ARTICLE 9.	PROGRESS SCHEDULES	12
ARTICLE 10.	REQUESTS FOR INFORMATION OR APPROVAL	13
ARTICLE 11.	NOTICE OF CONDITIONS CAUSING DELAY AND	
	DOCUMENTATION OF DAMAGES CAUSED BY DELAY	13
ARTICLE 12.	COORDINATION WITH OTHER CONTRACTORS	17
ARTICLE 13.	EXTENSION OF TIME FOR PERFORMANCE	18
ARTICLE 14.	COMPLETION AND FINAL ACCEPTANCE OF THE WORK	21
ARTICLE 15.	LIQUIDATED DAMAGES	22
ARTICLE 16.	OCCUPATION OR USE PRIOR TO COMPLETION	22
CHAPTER IV		
	TS AND ASSIGNMENTS	
SODCONINAC	18 AND ASSIGNMEN 18	
ARTICLE 17.	SUBCONTRACTS	23
ARTICLE 18.	ASSIGNMENTS	25 25

TABLE OF CONTENTS

CHAPTER V		
CONTRACTO	R'S SECURITY AND GUARANTY	
		26
ARTICLE 19.	SECURITY DEPOSIT	26
ARTICLE 20.	PAYMENT GUARANTEE	26 29
ARTICLE 21.	RETAINED PERCENTAGE	
ARTICLE 22.	INSURANCE	29
ARTICLE 23.	MONEY RETAINED AGAINST CLAIMS	35
ARTICLE 24.	MAINTENANCE AND GUARANTY	36
CHAPTER VI		
CHANGES, EX	TRA WORK AND DOCUMENTATION OF CLAIM	
ADTICLE 25	CHANCES	37
ARTICLE 25.	CHANGES METHODS OF PAYMENT FOR OVERRUNS AND	31
ARTICLE 26.	EXTRA WORK	37
ADDICE TO AS	RESOLUTION OF DISPUTES	40
ARTICLE 27.	RECORD KEEPING FOR EXTRA OR DISPUTED WORK OR	70
ARTICLE 28.	WORK ON A TIME & MATERIALS BASIS	44
A DOTATE OF	OMITTED WORK	45
ARTICLE 29.	NOTICE AND DOCUMENTATION OF COSTS AND	7.5
ARTICLE 30.	DAMAGES; PRODUCTION OF FINANCIAL RECORDS	45
	DAMAGES, I RODUCTION OF FINANCIAE RECORDS	
CHAPTER VII		
v v	HE RESIDENT ENGINEER, THE ENGINEER	
OR ARCHITEC	CT AND THE COMMISSIONER	
ARTICLE 31.	THE RESIDENT ENGINEER	46
ARTICLE 32.	THE ENGINEER OR ARCHITECT OR PROJECT MANAGER	47
ARTICLE 33.	THE COMMISSIONER	47
ARTICLE 34.	NO ESTOPPEL	48
CHAPTER VIII		
LABOR PROV	SIONS	
ARTICLE 35.	EMPLOYEES	48
ARTICLE 36.	NO DISCRIMINATION	50
ARTICLE 37.	LABOR LAW REQUIREMENTS	52
ARTICLE 38.	PAYROLL REPORTS	57
ADTICLE 20	DIGT HAZADDS	58

TABLE OF CONTENTS

CHAPTER IX				
PARTIAL ANI	D FINAL PAYMENTS			
ARTICLE 40.	CONTRACT PRICE	58		
ARTICLE 41.	BID BREAKDOWN ON LUMP SUM	58		
ARTICLE 41.	PARTIAL PAYMENTS	58		
ARTICLE 43.	PROMPT PAYMENT	59		
ARTICLE 44.	SUBSTANTIAL COMPLETION PAYMENT	59 59		
ARTICLE 45.	FINAL PAYMENT	60		
ARTICLE 46.	ACCEPTANCE OF FINAL PAYMENT	61		
ARTICLE 47.	APPROVAL BY PUBLIC DESIGN COMMISSION	62		
CHAPTED V				
CHAPTER X				
CONTRACTO	R'S DEFAULT			
ARTICLE 48.	COMMISSIONER'S RIGHT TO DECLARE CONTRACTOR			
	IN DEFAULT	62		
ARTICLE 49.	EXERCISE OF THE RIGHT TO DECLARE DEFAULT	64		
ARTICLE 50.	QUITTING THE SITE	64		
ARTICLE 51.	COMPLETION OF THE WORK	64		
ARTICLE 52.	PARTIAL DEFAULT	64		
ARTICLE 53.	· · · · · · · · · · · · · · · · · · ·	65		
ARTICLE 54.	OTHER REMEDIES	65		
CHAPTER XI				
MISCELLANE	OUS PROVISIONS			
ARTICLE 55.	CONTRACTOR'S WARRANTIES	66		
ARTICLE 56.	CLAIMS AND ACTIONS THEREON	66		
ARTICLE 57.	INFRINGEMENT	66		
ARTICLE 58.	NO CLAIM AGAINST OFFICERS, AGENTS OR	VV		
	EMPLOYEES	67		
ARTICLE 59.	SERVICE OF NOTICES	67		
ARTICLE 60.	UNLAWFUL PROVISIONS DEEMED STRICKEN	0,		
	FROM CONTRACT	67		
ARTICLE 61.	ALL LEGAL PROVISIONS DEEMED INCLUDED	67		
ARTICLE 62.	TAX EXEMPTION	67		
ARTICLE 63.	INVESTIGATION(S) CLAUSE	69		
ARTICLE 64.	TERMINATION BY THE CITY	71		
ARTICLE 65.	CHOICE OF LAW, CONSENT TO JURISDICTION			
	AND VENUE	73		

TABLE OF CONTENTS

CHAPTER XI (CONT'D) MISCELLANEOUS PROVISIONS

ARTICLE 66.	PARTICIPATION IN AN INTERNATIONAL BOYCOTT	74
ARTICLE 67.	LOCALLY BASED ENTERPRISE PROGRAM	74
ARTICLE 68.	ANTITRUST	75
ARTICLE 69.	MACBRIDE PRINCIPLES PROVISIONS	75
ARTICLE 70	ELECTRONIC FILING/NYC DEVELOPMENT HUB	77
ARTICLE 71.	PROHIBITION OF TROPICAL HARDWOODS	77
ARTICLE 72.	CONFLICTS OF INTEREST	78
ARTICLE 73.	MERGER CLAUSE	78
ARTICLE 74.	STATEMENT OF WORK	78
ARTICLE 75.	COMPENSATION TO BE PAID TO CONTRACTOR	78
ARTICLE 76:	ELECTRONIC FUNDS TRANSFER	78
ARTICLE 77:	RECORDS RETENTION	79
ARTICLE 78:	PARTICIPATION BY MINORITY-OWNED AND WOMEN-O	WNED
	BUSINESS ENTERPRISES IN CITY PROCUREMENT	79
SIGNATURES		87
	ACKNOWLEDGMENT BY CORPORATION	
	GMENT BY PARTNERSHIP	88
	GMENT BY INDIVIDUAL	88
	GMENT BY COMMISSIONER	89
AUTHORITY		90
	ER'S CERTIFICATE	90
	MAYOR'S CERTIFICATE	
	PERFORMANCE BOND #1	
PERFORMANO		92 96
PAYMENT BO		100

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.
- 2.1.12 "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 www.dep.nyc.gov 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.

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

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.

- Non-Recoverable Costs. The parties agree that the City will have no liability for 11.7.3 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 STANDARD CONSTRUCTION CONTRACT 17

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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.
- 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

- 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.

- 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 www.nyc.gov/pip. 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.

¹ 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 www.nyc.gov/pip. Additional assistance with PIP may be obtained by emailing the Financial Information Services Agency Help Desk at pip@fisa.nyc.gov.

- 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:

26

- 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

 28

 STANDARD CONSTRUCTION CONTRACT

 DDC

 December 2013

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 http://www.nyc.gov/html/dob/downloads/rules/1 RCNY 101-08.pdf, the **Contractor** shall provide Commercial General Liability Insurance with limits of at least those required by 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
- 26.2.9 Workers' Compensation Insurance, and any insurance coverage expressly required by the City for the performance of the Extra Work which is different than the types of insurance required by Article 22 and Schedule A of the General Conditions. The cost of Workers' Compensation Insurance 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
- 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 STANDARD CONSTRUCTION CONTRACT

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

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
 DDC

 42 STANDARD CONSTRUCTION CONTRACT
 December 2013

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

 44 STANDARD CONSTRUCTION CONTRACT

 DDC

 December 2013

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.

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:
 - 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

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

	employment program.
	In addition to any actions taken under this Contract, failure to comply with E.O. 50 and the rules and
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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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 56

 STANDARD CONSTRUCTION CONTRACT
 December 2013

- 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

DDC December 2013 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

 75 STANDARD CONSTRUCTION CONTRACT
 December 2013

- (\$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 ______.

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:

| Thirty much 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. The Hausen of the based 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

 78 STANDARD CONSTRUCTION CONTRACT

 DDC

 December 2013

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

<u>PARTICIPATION GOALS FOR CONSTRUCTION, STANDARD</u> <u>AND PROFESSIONAL SERVICES CONTRACTS OR TASK ORDERS</u>

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 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 poped@ddc.nyc.gov or via facsimile at (718) 391-1886. Bidders, proposers, or contractors, as applicable, who have submitted requests will receive an Agency response by no later than two (2) calendar days prior to the due date for bids, proposals, or Task Orders; provided, however, that if that date would fall on a weekend or holiday, an Agency response will be provided by close-of-business on the business day before such weekend or holiday date.
- (c) If the Agency determines that the **Participation Goals** are unreasonable in light of the availability of certified firms to perform the services required, it shall revise the solicitation and extend the deadline for bids and proposals, or revise the Task Order, as applicable.

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

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

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

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

PART B: MISCELLANEOUS

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

ARTICLE II. ENFORCEMENT

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

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

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

IN WITNESS WHEREOF, the Commissioner, on behalf of the City of New York, and the Contractor, have executed this agreement in quadruplicate, two parts of which are to remain with the Commissioner, another to be filed with the Comptroller of the City, and the fourth to be delivered to the Contractor.

THE CITY OF NEW YORK

By: Commissioner

CONTRACTOR:

By: ________(Member of Firm or Officer of Corporation)

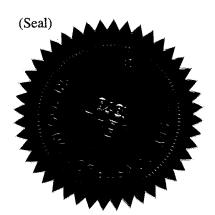
Title: Mesident

SIGN

Contractor is a Corporation, add):

Secretary

Kenneth W. Tully



ACKNOWLEDGEMENT OF PRINCIPAL, IF A CORPORATION
State of News ORK County of Overs ss:
On this 22 day of April, 2016, before me personally came Peter K. Tulk, to me known who, being by me duly sworn did depose and say that he resides at 3.74 Prosk 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.
DESPINA PHILIPS Notary Public, State of New York No. 01PH5003152 Qualified in Queens County Commission Expires Oct. 19, 20
ACKNOWLEDGEMENT OF PRINCIPAL, IF A PARTNERSHIP
State of County of ss:
On this day of,, before me personally appeared to me known, and known to me to be one of the members of the firm of described in and who executed the foregoing instrument; and he acknowledged to me that he executed the same as and for the act and deed of said firm.
Notary Public or Commissioner of Deeds
ACKNOWLEDGEMENT OF PRINCIPAL, IF AN INDIVIDUAL
State of 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.
Notary Public or Commissioner of Deeds

ACKNOWLEDGEMENT BY COMMISSIONER

State of New Lork County of Queens ss:
On this 27th day of April, 2016, before me personally came Eric Macforlere to me known, and known to be the Deputy Commissioner of the Department of Design and Construction of
to me known, and known to be the Deputy Commissioner of the Department of Design and Construction of
The City of New York, the person described as such in and who as such executed the foregoing instrument
and acknowledged to me that he executed the same as Deputy Commissioner for the purposes therein
mentioned.
Notary Public or Commissioner of Deeds

VICTORIA AYO-VAUGHAN
Notary Public, State of New York
Registration #01AY5014042
Qualified in Queens County
Commission Expires July 15,

AUTHORITY

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

DATED DATED

APPROPRIATION COMMISSIONER'S CERTIFICATE

In conformity with the provisions of Section 6-101 of the Administrative Code of the City of New York, it is hereby certified that the estimated cost of the work, materials and supplies required by the within Contract, amounting to

Thirty million Seven hunched thirty five thousand, two hunched mine typine chiers of 60.
thousand, two hundred nine typine chiers of/60.
Dollars (\$ 30, 736, 299. 62)
is chargeable to the fund of the Department of Design and Construction entitled Code
PEDIOS
Department of Design and Construction
I hereby certify that the specifications contained herein comply with the terms and conditions of the BUDGET. Commissioner
COMPTROLLER'S CERTIFICATE
The City of New York
Pursuant to the provisions of Section 6-101 of the Administrative Code of the City of New York, I hereby certify that there remains unapplied and unexpended a balance of the above mentioned fund applicable to this Contract sufficient to pay the estimated expense of executing the same viz:
\$
Comptroller
·

PERFORMANCE BOND #2 (Page 1)

PERFORMANCE BOND #2

KNOW ALL PERSONS BY THESE PRES That we, Tully Construction Co., Inc.	SENTS:,	
127-50 Northern Boulevard		
Flushing, NY 11368		
hereinafter referred to as the "Principal," and, Federal Insurance Company	Liberty Mutual Insurance (Company
1 <u>5 Mountain View Road</u>	175 Berkeley Street	· - · · · · · · · · · · · · · · · · · ·
Warren, NJ 07059	Boston, MA 02116	
and 60/100		
which said sum of money well and truly to	rs, lawful money of the United State be made, we, and each of us, bin	nd ourselves, our heirs.
executors, administrators, successors and assig	ns, jointly and severally, firmly by the	ese presents.
WHEREAS, the Principal is about to enter, or	has entered, into a Contract in writing	g with the City for
FMS ID: QED1005; E-PIN: 85015B0185001; DOC PIN	: 8502015WM0029C - Installation of Distrib	oution Water Mains
and Appurtenances in Long Island City and Astoria A	rea-Borough of Queens	
a copy of which Contract is annexed to and he full;	ereby made a part of this bond as tho	ough 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 true intent and meaning, including repair and or replacement of defective work and guarantees of maintenance for the periods stated in the Contract, and shall fully indemnify and save harmless the City from all cost and damage which it may suffer by reason of 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

		, , ,

PERFORMANCE BOND #2 (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 either (1) pay the full amount of the above penal sum in complete discharge and exoneration of this bond and of all the liabilities of the Surety relating to this bond, or (2) fully perform and complete the Work to be performed under the Contract, pursuant to the terms, conditions, and covenants thereof. The Surety (Sureties) further agrees, at its option, either to tender the penal sum 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 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. The Surety and the City reserve all rights and defenses each may have against the other; provided, however, that the Surety expressly agrees that its reservation of rights shall not provide a basis for non-performance of its obligation to commence and to complete all Work as provided herein.

The Surety (Sureties), for value received, for itself and its successors and assigns, hereby stipulates and agrees that the obligation of said Surety (Sureties) and its bond shall be in no way impaired or affected by any extension of time, modification, omission, addition, or change in or to the said Contract or 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 Work to be performed or any moneys due or to become due thereunder; and said Surety (Sureties) does hereby waive notice of any and all of such extensions, modifications, omissions, additions, changes, payments, waivers, assignments, subcontracts and transfers, and hereby expressly stipulates and agrees that any and all things done and omitted to be done by 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 by or in relation to said Principal.

PERFORMANCE BOND #2 (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

19th	day of	April	20 16	
(Seal)		Tully Co	nstruction Co., Inc.	(L.S.)
(Seal)	·	By:	Thicipal July President Surety Federal Insurance Comp	.
		By:	Federal Insurance Composition Available Track Available	any
(Seal)		By Ch	Surety Grey Mutual Insurance G	ompany .
(Seal)		Krysral E. Stra	avato, Attorney-In-Fact Surety	
(Seal)		Ву:		•
()		Ву:	Surety	
(Seal)			Surety	•
		Ву:		
Bond Premium Rate	Sliding Scale		.i	
Bond Premium Cost	\$208,453.00		<u>.</u>	
76.1				

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.

Astronomy Control (1997) The Control (1997) The Control (1997)

PERFORMANCE BOND #2 (Page 4)

ACKNOWLEDGMENT OF PRINCIPAL IF A CORPORATION

State of _	New York		_County of	Que	ens	ss:
						_ before me personally
to me known, who, being by me duly sworn did depose and say that he resides at Lattingtown, NY						
		· ···	; that h	e/she is the	President	
of the co	rporation descri	bed in and which	executed the fore	going instr	ument; that he/s	she signed his/her name to the
Toregoing	instrument by o	order of the directo	rs of said canot a Notary Public	የ Ri GS Rib (State of I	ghl y authorized New York	and binding act thereof.
<u>Où</u>	ed 1	Inter	No. 01	GO468018	37	
Notary Pr	ablic or Commis	sioner of Deeds.	Qualified in Commission E			
	A	CKNOWLEDGN	MENT OF PRIN	CIPAL II	F A PARTNE	RSHIP
State of _		····	_County of	<u> </u>		ss:
						_ before me personally
to me kno	own, who, being	by me duly sworn	, did denose and sa	av that he/s	he resides	
		–	and depose and se	-y alat nors	no resides	
			: that he	/she is		partner of
		, a limite	ed/general partner	ship existin	ng under the law	s of the State of
1.1.1		, the partners	hip described in a	and which e	executed the fore	egoing instrument;
and that h		/her name to the fo	regoing instrume	nt as the du	lly authorized ar	id binding act of
said pardi	cisinp.					
Notary Pu	iblic or Commis	sioner of Deeds				
	<u>A</u> 0	<u>CKNOWLEDGN</u>	MENT OF PRIN	CIPAL II	F AN INDIVI	DUAL
State of _			County of			ss:
		_ day of		_, 20		_ before me personally
came		by me duly sworn		4b -4 b - /-1	· 	
at_		by life duly sworn	and depose and sa	iy that ne/si	ne resides	
		<u> </u>	, and tha	t he/she is	the individual w	hose name is
subscribe	to the within in	strument and ackn	owledged to me t	hat by his/h	ner signature on	the
instrumen	t, said individua	l executed the instr	rument.			
					•	
Notary Pu	blic or Commiss	sioner of Deeds	. •			
Each execu	uted bond should	be accompanied b	y: (a) appropriate	acknowledg	gments of the res	spective parties; (b) appropriate
duly certif	ied copy of Powe	er of Attorney or of	ther certificate of	authority wi	here bond is exe	cuted by agent, officer or other as of Surety under which Power
of Attorne	y or other certific	cate of authority of	its agent, officer of	r representa	ative was issued.	and (d) certified copy of latest
published i	financial statemen	nt of assets and liab	ilities of Surety.	•		· · · · · · · · · · · · · · · · · · ·
			****	***		
		Affix Acknow	vledgments and	Justification	on of Sureties.	

CITY OF NEW YORK DDC

Acknowledgement of Surety Company

State of New Jersey

County of Morris

On the <u>19th</u> day of <u>April</u>, <u>2016</u> before me personally appeared <u>Krystal L. Stravato</u> to me known, who being by me duly sworn, did depose and say; that (s)he is the attorney-in-fact of <u>Federal Insurance Company</u>, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal, at my office in the above county, the day and year written above.

Notary Public

SANDY S JAMES-BROWNE Notary Public State of New Jersey My Commission Expires Sep 19, 2016

Acknowledgement of Surety Company

State of New Jersey

County of Morris

On the <u>19th</u> day of <u>April</u>, <u>2016</u> before me personally appeared <u>Krystal L. Stravato</u> to me known, who being by me duly sworn, did depose and say; that (s)he is the attorney-in-fact of <u>Liberty Mutual Insurance Company</u>, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal, at my office in the above county, the day and year written above.

Notary Public

SANDY S JAMES-BROWNE Notary Public State of New Jersey My Commission Expires Sep 19, 2016

FEDERAL INSURANCE COMPANY

STATEMENT OF ASSETS, LIABILITIES AND SURPLUS TO POLICYHOLDERS

Statutory Basis

DECEMBER 31, 2014

(in thousands of dollars)

		LIABILITIES				
		AND				
ASSETS		SURPLUS TO POLICYHOLDI	ERS			
Cash and Short Term Investments \$	110,484	Outstanding Losses and Loss Expenses	\$ 12,181,139			
United States Government, State and	•	Unearned Premiums	3,654,861			
Municipal Bonds	10,245,402	Ceded Reinsurance Premiums Payable	339,466			
Other Bonds	4,927,443	Provision for Reinsurance	46,470			
Stocks	1,066,355	Other Liabilities	1,434,018			
Other Invested Assets	1,365,367					
TOTAL INVESTMENTS	17,715,051	TOTAL LIABILITIES	17,655,954			
Investments in Affiliates:						
Chubb Investment Holdings, Inc	3,565,038	Capital Stock	20,980			
Pacific Indemnity Company	2,922,214	Paid-In Surplus	3,106,809			
Executive Risk Indemnity Inc	1,258,019	Unassigned Funds	11,700,594			
Chubb Insurance Investment Holdings Ltd	1,162,709	9				
CC Canada Holdings Ltd	652,880					
Chubb Insurance Company of Australia Ltd.	480,068	SURPLUS TO POLICYHOLDERS	14,828,383			
Great Northern Insurance Company	476,969		,,_			
Vigilant Insurance Company	292,313					
Chubb European Investment Holdings SLP	287,633					
Other Affiliates	517,330					
Premiums Receivable	1,679,148					
Other Assets	1,474,965					
		TOTAL LIABILITIES AND SUBBLIS				
TOTAL ADMITTED ASSETS A	22 404 227	TOTAL LIABILITIES AND SURPLUS	6.00.404.00			
TOTAL ADMITTED ASSETS \$	32,404,337	TO POLICYHOLDERS	32,484,337			
Investments are valued in accordance with requirements of the National Association of Insurance Commissioners. At December 31, 2014, investments with a carrying value of \$518,199,884 were deposited with government authorities as required by law.						
State, County & City of New York, — ss:						
Yvonne Baker, Assista	nt Secretary	of the Federal Insurance Compar	ny			
Federal Insurance Company on December 31,	2014 is true an	ment of Assets, Liabilities and Surplus to Policyl d correct and is a true abstract of the Annual Sta lited States for the 12 months ending December	holders of said tement of said			
and Maior 11, 2010.		1/2 3 0 R	aka			
Jeanette Shipsey		ary Public, State of New York No. 02SH5074142	tant Secretary			
		Qualified in Nassau County nission Expires March 10, 2019				

	•		
	,		



LIBERTY MUTUAL INSURANCE COMPANY

FINANCIAL STATEMENT — DECEMBER 31, 2015

Assets	Liabilities
Cash and Bank Deposits\$753,038,641	Unearned Premiums\$6,580,520,311
*Bonds — U.S Government	Reserve for Claims and Claims Expense 16,917,138,677
*Other Bonds	Funds Held Under Reinsurance Treaties
	Reserve for Dividends to Policyholders
*Stocks	Additional Statutory Reserve
Real Estate	Reserve for Commissions, Taxes and
Agents' Balances or Uncollected Premiums 4,487,501,643	Other Liabilities
Accrued Interest and Rents	Total\$26,527,948,893
, ,	Special Surplus Funds \$67,890,944
Other Admitted Assets	Capital Stock
	Paid in Surplus 8,829,183,823
	Unassigned Surplus6,908,192,846
Total Admitted Assets <u>\$42,343,216,506</u>	Surplus to Policyholders <u>15,815,267,613</u>
	Total Liabilities and Surplus <u>\$42,343,216,506</u>



* Bonds are stated at amortized or investment value; Stocks at Association Market Values.

The foregoing financial information is taken from Liberty Mutual Insurance Company's financial statement filed with the state of Massachusetts Department of Insurance.

I, TIM MIKOLAJEWSKI, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the foregoing is a true, and correct statement of the Assets and Liabilities of said Corporation, as of December 31, 2015, to the best of my knowledge and belief.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation at Seattle, Washington, this 15th day of March, 2016.

Assistant Secretary

TAMiholajewski.



Chubb Surety

POWER OF ATTORNEY

Federal Insurance Company Vigilant Insurance Company **Pacific Indemnity Company**

Vice Presid

Attn: Surety Department 15 Mountain View Road Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint Ricardo Davila, Will Griffin and Michael Marino of Miami, Florida; Thomas MacDonald, Krystal L. Stravato and Kevin T. Walsh, Jr. of Cedar Knolls, New Jersey; Theresa J. Foley of Roslyn Heights, New York

each as their true and lawful Attorney- in- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than ball bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 24 day of March, 2016.







STATE OF NEW JERSEY

County of Somersel

On this 24th day of March, 2016 before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By- Laws of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies; and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Norris, Jr., and was thereto subscribed by authority of said By- Laws and in deponent's presence.

Notarial Seal



KATHERINE J. ADELAAR NOTARY PUBLIC OF NEW JERSEY No. 2318685 Commission Expires July 16, 2019

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"Except as otherwise provided in these By-Laws or by law or as otherwise directed by the Board of Directors, the President or any Vice President shall be authorized to execute and deliver, in the name and on behalf of the Corporation, all agreements, bonds, contracts, deeds, mortgages, and other instruments, either for the Corporation's own account or in a fiduciary or other capacity, and the seal of the Corporation, if appropriate, shall be affixed thereto by any of such officers or the Secretary or an Assistant Secretary. The Board of Directors, the President or any Vice President designated by the Board of Directors may authorize any other officer, employee or agent to execute and deliver, in the name and on behalf of the Corporation, agreements, bonds, contracts, deeds, mortgages, and other instruments, either for the Corporation's own account or in a fiduciary or other capacity, and, if appropriate, to affix the seal of the Corporation thereto. The grant of such authority by the Board or any such officer may be general or confined to specific instances."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- the foregoing extract of the By- Laws of the Companies is true and correct,
- the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in Guam, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island; and
- the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this April 19, 2016.







Notary Public

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS Fax (908) 903- 3656 e-mail: surety@chubb.com LISTED ABOVE, OR BY Telephone (908) 903-3493

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

American Fire and Casualty Company The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of
the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company
is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute
and appoint, Kevin T. Walsh, Jr.; Krystal L. Stravato; Michael Marino

all of the city of Cedar Knolls , state of NJ each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed day of January 2016



STATE OF PENNSYLVANIA COUNTY OF MONTGOMERY

American Fire and Casualty Company The Ohio Casualty Insurance Company Liberty Mutual Insurance Company West American Insurance Company

David M. Carey, Assistant Secretary

, 2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA

Teresa Pastella, Notary Public Plymouth Twp., Montgomery County My Commission Expires March 28, 2017

Member, Pennsylvania Association of Notaries

Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19th day of April

Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

of this Power of Attorney

validity

confirm the

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PAYMENT BOND (Page 1)

PAYMENT BOND

KNOW ALL PERSONS BY THESE PI	RESENTS, That we,
Tully Construction Co., Inc.	
127-50 Northern Boulevard	
Flushing, NY 11368	
hereinafter referred to as the "Principal", and	
Federal Insurance Company	Liberty Mutual Insurance Company
15 Mountain View Road	175 Berkeley Street
Warren, NJ 07059	Boston, MA 02116
hereinafter referred to as the "City" or to its succe	•
	e Thousand Two Hundred Ninety Nine Dollars
and 60/100	
	·
(\$30,735,299.60) Dollars, lawful money of the U and truly to be made, we, and each of us, bind assigns, jointly and severally, firmly by these pre	Jnited States, for the payment of which said sum of money well ourselves, our heirs, executors, administrators, successors and sents.
WHEREAS, the Principal is about to ent	er, or has entered, into a Contract in writing with the City for
FMS ID: QED1005; E-PIN: 85015B0185001; DOC	CPIN: 8502015WM0029C - Installation of Distribution Water Main
and Appurtenances in Long Island City and Asto	ria Area-Borough of Queens
>	
	by made a part of this bond as though herein set forth in full; of this obligation are such that if the Principal, his or its
	ors to whom Work under this Contract is sublet and his or their
the prosecution of the Work under said Contract	bor performed and services rendered by all persons engaged in t, and any amendment or extension thereof or addition thereto, loyees 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

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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

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PAYMENT BOND (Page 3)

(Seal)	Tully Construction Co., Inc. (L.S.)
	Principal By: Peter A Pully, President
(Seal)	Federal Insurance Company
	By Surety Krystal L. Stravato, Attorney-In-Fact
(Seal)	By Krystal L. Stravato, Attorney-In-Fact
(Seal)	Surety
	Ву:
(Seal)	

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.

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PAYMENT BOND (Page 4)

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ACKNOWLEDGMENT	OF PRINCIPAL, IF	A CORPORATION	
State of New York	County of Qu	eens ss:	
On this 19th day of Ap	ril 2016 before	e me personally came P	Peter K. Tully
to me known, who, being b	v me duly sworn did de	enose and say that he res	sides at
Lattingtown, NY		that he is the President	lent of
corporation; that one of the the directors of said corporation. ACKNOWLEDGMENT	seals affixed to said intion, and that he signed with the sign	instrument is such seal; ed his name thereto by lile of Commissioner of A PARTNERSHIP	4
State of	County of	ss:	
to me known, and known to	me to be one of the m described in and	nembers of the firm of who executed the f	oregoing instrument; and he
	•	ublic or Commissioner of	of Deeds
ACKNOWLEDGMENT (OF PRINCIPAL, IF A	AN INDIVIDUAL	
State of	County of	ss:	
On this day of to me known, and known to and acknowledged that he e	me to be the person of	me personally appeared described in and who ex	l kecuted the foregoing instrument;
			•
	Notary D.	ublic or Commissioner o	6 Deede
	Notary Pt	TOTIC OF COMMISSIONER O	Decus
	should be accompanie		cknowledgments of the respective

parties; (b) appropriate duly certified copy of Power of Attorney or other certificate of authority where bond is executed by agent, officer or other representative of Principal or Surety; (c) a duly certified extract from By-Laws or resolutions of Surety under which Power of Attorney or other certificate of authority of its agent, officer or representative was issued, and (d) certified copy of latest published financial statement of assets and liabilities of Surety.

Affix Acknowledgments and Justification of Sureties.

CITY OF NEW YORK DDC

STANDARD CONSTRUCTION CONTRACT December 2013

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Acknowledgement of Surety Company

State of New Jersey

County of Morris

On the <u>19th</u> day of <u>April</u>, <u>2016</u> before me personally appeared <u>Krystal L. Stravato</u> to me known, who being by me duly sworn, did depose and say; that (s)he is the attorney-in-fact of <u>Federal Insurance Company</u>, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal, at my office in the above county, the day and year written above.

Notary Public

SANDY S JAMES-BROWNE Notary Public State of New Jersey My Commission Expires Sep 19, 2016

Acknowledgement of Surety Company

State of New Jersey

County of Morris

On the <u>19th</u> day of <u>April</u>, <u>2016</u> before me personally appeared <u>Krystal L. Stravato</u> to me known, who being by me duly sworn, did depose and say; that (s)he is the attorney-in-fact of <u>Liberty Mutual Insurance Company</u>, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal, at my office in the above county, the day and year written above.

Notary Public

SANDY S JAMES-BROWNE Notary Public State of New Jersey My Commission Expires Sep 19, 2016

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FEDERAL INSURANCE COMPANY

STATEMENT OF ASSETS. LIABILITIES AND SURPLUS TO POLICYHOLDERS

Statutory Basis

DECEMBER 31, 2014

(in thousands of dollars)

LIABILITIES AND

SURPLUS TO POLICYHOLDERS **ASSETS** 110,484 Cash and Short Term Investments..... \$ Outstanding Losses and Loss Expenses \$ 12,181,139 United States Government, State and 3,654,861 Unearned Premiums..... Ceded Reinsurance Premiums Payable...... Municipal Bonds 10,245,402 339,466 4,927,443 Provision for Reinsurance 46,470 Other Bonds..... Stocks..... 1,066,355 Other Liabilities..... 1,434,018 1,365,367 Other Invested Assets..... TOTAL INVESTMENTS 17,715,051 TOTAL LIABILITIES 17.655.954 Investments in Affiliates: Chubb Investment Holdings, Inc..... 3,565,038 Capital Stock..... 20,980 Pacific Indemnity Company..... 2,922,214 Paid-In Surplus..... 3,106,809 Executive Risk Indemnity Inc..... 1,258,019 Unassigned Funds 11,700,594 Chubb Insurance Investment Holdings Ltd.... 1,162,709 CC Canada Holdings Ltd..... 652,880 Chubb Insurance Company of Australia Ltd. 480,068 SURPLUS TO POLICYHOLDERS..... 14,828,383 Great Northern Insurance Company 476,969 Vigilant Insurance Company..... 292,313 Chubb European Investment Holdings SLP... 287,633 Other Affiliates..... 517,330 Premiums Receivable 1,679,148 Other Assets 1,474,965 TOTAL LIABILITIES AND SURPLUS TOTAL ADMITTED ASSETS \$ 32,484,337 TO POLICYHOLDERS...... \$ 32,484,337 Investments are valued in accordance with requirements of the National Association of Insurance Commissioners. At December 31, 2014, investments with a carrying value of \$518,199,884 were deposited with government authorities as required by law. State, County & City of New York, - ss: Yvonne Baker, Assistant Secretary __ of the Federal Insurance Company being duly sworn, deposes and says that the foregoing Statement of Assets, Liabilities and Surplus to Policyholders of said Federal Insurance Company on December 31, 2014 is true and correct and is a true abstract of the Annual Statement of said Company as filed with the Secretary of the Treasury of the United States for the 12 months ending December 31, 2014. Subscribed and sworn to before me this March 11, 2015. Jeanette Shipsey JEANETTE SHIPSEY Notary Public, State of New York No. 02SH5074142

Qualified in Nassau County Commission Expires March 10, 2019





LIBERTY MUTUAL INSURANCE COMPANY

FINANCIAL STATEMENT — DECEMBER 31, 2015

Assets	Liabilities			
Cash and Bank Deposits \$753,038,641	Unearned Premiums\$6,580,520,311			
*Bonds — U.S Government	Reserve for Claims and Claims Expense 16,917,138,677			
*Other Bonds	Funds Held Under Reinsurance Treaties			
*G41	Reserve for Dividends to Policyholders			
*Stocks	Additional Statutory Reserve			
Real Estate	Reserve for Commissions, Taxes and			
Agents' Balances or Uncollected Premiums 4,487,501,643	Other Liabilities			
Accrued Interest and Rents	Total\$26,527,948,893			
Other Admitted Assets	Special Surplus Funds \$67,890,944			
	Capital Stock			
	Paid in Surplus 8,829,183,823			
	Unassigned Surplus			
Total Admitted Assets <u>\$42,343,216,506</u>	Surplus to Policyholders <u>15,815,267,613</u>			
	Total Liabilities and Surplus <u>\$42,343,216,506</u>			



* Bonds are stated at amortized or investment value; Stocks at Association Market Values.

The foregoing financial information is taken from Liberty Mutual Insurance Company's financial statement filed with the state of Massachusetts Department of Insurance.

I, TIM MIKOLAJEWSKI, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the foregoing is a true, and correct statement of the Assets and Liabilities of said Corporation, as of December 31, 2015, to the best of my knowledge and belief.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation at Seattle, Washington, this 15th day of March, 2016.

Assistant Secretary

TAMiholajewski.

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Chubb Surety

POWER **OF** ATTORNEY

Federal Insurance Company **Vigilant Insurance Company Pacific Indemnity Company**

Attn: Surety Department 15 Mountain View Road Warren, NJ 07059

Notary Public

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint Ricardo Davila, Will Griffin and Michael Marino of Miami, Florida; Thomas MacDonald, Krystal L. Stravato and Kevin T. Walsh, Jr. of Cedar Knolls, New Jersey; Theresa J. Foley of Roslyn Heights, New York

each as their true and lawful Attorney- in- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations. In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 24 day of March, 2016.

day of March, 2016.





STATE OF NEW JERSEY

County of Somerset

On this 24th day of March, 2016 before me, a Notary Public of New Jersey, personally came Dawn M. Chioros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By- Laws of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies; and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Nords, Jr., and was thereto subscribed by authority of said By- Laws and in deponent's presence.

Notarial Seal



KATHERINE J. ADELAAR **NOTARY PUBLIC OF NEW JERSEY** No. 2316685 Commission Expires July 16, 2019

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

Except as otherwise provided in these By-Laws or by law or as otherwise directed by the Board of Directors, the President or any Vice President shall be authorized to execute and deliver, in the name and on behalf of the Corporation, all agreements, bonds, contracts, deeds, mortgages, and other instruments, either for the Corporation's own account or in a fiduciary or other capacity, and the seal of the Corporation, if appropriate, shall be affixed thereto by any of such officers or the Secretary or an Assistant Secretary. The Board of Directors, the President or any Vice President designated by the Board of Directors may authorize any other officer, employee or agent to execute and deliver, in the name and on behalf of the Corporation, agreements, bonds, contracts, deeds, mortgages, and other instruments, either for the Corporation's own account or in a fiduciary or other capacity, and, if appropriate, to affix the seal of the Corporation thereto. The grant of such authority by the Board or any such officer may be general or confined to specific instances.

- I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that
 - the foregoing extract of the By- Laws of the Companies is true and correct,
 - the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in Guam, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island; and
 - the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this April 19, 2016.







M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3493 Fax (908) 903-3656 e-mail: surety@chubb.com

. . .

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7230228

American Fire and Casualty Company The Ohio Casualty Insurance Company Liberty Mutual Insurance Company West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS:	That American Fire & Casualty Con	npany and The Ohio Casualty I	nsurance Company are corporat	ions duly organized under the laws o
the State of New Hampshire, that Liberty Mutual Ir	surance Company is a corporation d	uly organized under the laws of	f the State of Massachusetts, and	l West American Insurance Compan
is a corporation duly organized under the laws of the	ne State of Indiana (herein collective)	y called the "Companies"), purs	suant to and by authority herein se	et forth, does hereby name, constitut
and appoint, Kevin T. Walsh, Jr.; Krystal	L. Stravato; Michael Marino			

each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge all of the city of Cedar Knolls , state of NJ and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed __ day of __January 2016 thereto this 7th

1991 1906

STATE OF PENNSYLVANIA

American Fire and Casualty Company The Ohio Casualty Insurance Company Liberty Mutual Insurance Company West American Insurance Company

COUNTY OF MONTGOMERY

2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written



Notarial Seal Teresa Pastella, Notary Public Plymouth Twp., Montgomery County My Commission Expires March 28, 2017

COMMONWEALTH OF PENNSYLVANIA

Member, Pennsylvania Association of Notaries

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees. This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19th day of April









60 of 200

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 04/26/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	1-908-566-1010	CONTACT NAME:	
Construction Risk Partners, LLC		PHONE (A/C, No. Ext):	FAX (A/C, No):
Campus View Plaza		E-MAIL ADDRESS:	
1250 Route 28, Suite 201		INSURER(S) AFFORDING COVERAGE	NAIC#
Branchburg, NJ 08876		INSURER A: ARCH INS CO	11150
INSURED		INSURER B: AMERICAN GUAR & LIAB INS	26247
Tully Construction Co., Inc.		INSURER C: ARCH IND INS CO	30830
127-50 Northern Blvd		INSURER D: ALTERRA AMER INS CO	21296
127-30 Northern Brvd		INSURER E :	
Flushing, NY 11368		INSURER F:	

COVERAGES CERTIFICATE NUMBER: 46682940 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR		TYPE OF INSURANCE	ADDL	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s
A	х	COMMERCIAL GENERAL LIABILITY	INSU	WYD	11PKG8899905	03/31/16	03/31/17	EACH OCCURRENCE	\$ 4,000,000
		CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 250,000
								MED EXP (Any one person)	\$ 10,000
								PERSONAL & ADV INJURY	\$ 4,000,000
	GEN	L'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$ 8,000,000
		POLICY X PRO- JECT X LOC						PRODUCTS - COMP/OP AGG	\$ 8,000,000
		OTHER:							\$
A	AUT	OMOBILE LIABILITY			11PKG8899905	03/31/16	03/31/17	COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000
	x	ANY AUTO						BODILY INJURY (Per person)	\$
		ALL OWNED SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$
	х	HIRED AUTOS X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	\$
	х	Comp \$500 X Coll \$500							\$
В		UMBRELLA LIAB X OCCUR			SXS 0191868-00	03/31/16	03/31/17	EACH OCCURRENCE	\$ 25,000,000
	x	EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$ 25,000,000
		DED RETENTION\$							\$
		RKERS COMPENSATION EMPLOYERS' LIABILITY			14WCI8920105	03/31/16	03/31/17	X PER OTH- STATUTE ER	
	ANY	PROPRIETOR/PARTNER/EXECUTIVE	N/A					E.L. EACH ACCIDENT	\$ 1,000,000
	(Mar	ndatory in NH)	IT / A					E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
		s, describe under CRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
D	Pro	pperty			MAXA61M0049213	06/05/15	06/05/16	Business Pers Prop	40,000
					·				

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

Re: QED1005 Installation of Distribution Water Mains and Appurtenances in LIC and Astoria, Queens Business Personal Property applies to Engineer's Field Office at unnamed location.

City of New York, including its officials and employees, The New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operating Authority (MaBSTOA), Staten Island Rapid Transit Authority (SIRTOA),

Metropolitan Transportation Authority (MTA) its subsidiaries and affiliated companies, The National Railroad Passenger Corporation (AMTRAK), its subsidiaries and affiliated companies, National Grid, Consolidated Edison Company of New York are additional insured as required by written contract.

CERTIFICATE HOLDER	CANCELLATION
NYC Department of Design and Construction	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 Thomson Avenue	AUTHORIZED REPRESENTATIVE
Long Island City,, NY 11101 USA	J-7 C-J

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SUPPLEMENT TO CERTIFICATE OF INSURANCE				
NAME OF INSURED: Tully Construction Co., Inc.				
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SUPP (10/00)				



April 27, 2016

Robert Watson Construction Risk Partners

Re: New York City Transit Authority

Railroad Protective Liability
Arch Insurance Company
Policy Number: 11RRP6308100

Policy Period: From April 26, 2016 - April 26, 2018

Dear Robert:

Please note that the following **BINDER** may not include all the coverages requested in your specifications.

NOTICE: THESE POLICY FORMS AND THE APPLICABLE RATES ARE EXEMPT FROM THE FILING REQUIREMENTS OF THE NEW YORK STATE INSURANCE DEPARTMENT, HOWEVER, SUCH FORMS AND RATES MUST MEET THE MINIMUM STANDARDS OF THE NEW YORK INSURANCE LAW AND REGULATIONS.

Binder Effective Date:

April 26, 2016

Insured's State of Domicile:

NY

Insured Name:

The New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operation Authority (MaBSTOA), Staten Island Rapid Transit Operation Authority (SIRTOA), MTA Capital Construction Company, Metropolitan Transportation Authority (MTA), Including its subsidiaries and affiliates, and the City of New York (as Owner) and all other indemnified parties, The National Railroad Passenger Corp. 2 Broadway, 21st Floor, New York, N. Y. 10004

Designated Contactor:

Tully Construction Co. Inc.

127-50 Northern Blvd., Flushing, N. Y. 11368

Name and address of involved governmental authority or other contracting party:

NYCDDC

30-30 Thomson Avenue, Long Island City, N. Y. 11101

Policy Number:

11RRP6308100

Policy Term:

April 26, 2016 - April 26, 2018

R-T Specialty, LLC 1345 Avenue of the Americas, 4th Floor, New York, NY 10105

Coverage:

Railroad Protective Liability Policy

Carrier:

Arch Insurance Company

40013

Limit of Liability:

\$2,000,000

Each occurrence

\$6,000,000

Policy Limits Aggregate

Self Insured Retention:

\$0

Description of operations:

QED1005 - Installation of distribution water mains and appurtenances.

Location of Operation:

Long Island City and Astoria Areas, N. Y.

Coverage For Certified Acts of Terrorism:

accepted

SUBJECT TO:

Confirmation the contractor will hold the railroad harmless, railroad will be added as additional insured under the contractor's General Liability Policy, and the contractual exclusion for work within 50 feet has been deleted from the contractor's General Liability and Umbrella Policies.

Terms and Conditions:

Forms and Endorsements

NUMBER	FORMMITTE
05 RRP0012 00 006 08	Railroad Protective Liability Policy Declarations
00 ML0012 00 01 03	Schedule of Forms and Endorsements
CG 00 35 04 13	Railroad Protective Liability Coverage Form
05 ML0002 00 12 14	Signature Page
05 ML0014 00 03 03	Claims Handling Procedures
IL 00 21 07 02	Nuclear Energy Liability Exclusion
00 GL0045 00 12 03	Asbestos Exclusion
00 MLR0028 00 01 15	Exclusion of Terrorism Other Than a Certified Act of Terrorism
00 MLT0031 00 01 15	Terrorism Coverage Disclosure Notice
IL P 001 01 04	U.S. Treasury Department's Office of Foreign Assets Control ("OFAC") Advisory Notice to Policyholders

The titles applied to any endorsement, exclusion or policy are for reference purposes only and are not intended to replace, alter, or delete any provisions contained therein.

If this binder is conditioned upon the receipt, review and approval of additional information, this information must be provided to the Company within thirty (30) days of the effective date of this binder. Failure to provide the Company with all of the additional information within this thirty (30) day period will result in the automatic termination of this binder as of its effective date and of any policy that was issued pursuant to this binder.

If, between the date of this letter and the effective date of the binder, there is a material change in any of the information (including but not limited to claims or potential claims) originally submitted or subsequently requested by the Company, the applicant is required to notify the Company immediately. The Company reserves the right to terminate or modify the terms of the binder in the event of a material change in such information.

Premiums must be remitted to the Company within twenty (20) days of the effective date of this binder or the binder will be cancelled and notice of cancellation sent to the insured.

This binder may be extended only in writing by the Company.

Very Truly Yours,

Kim Burnett
Account Executive
(646) 871-8358 direct
kim.burnett@rtspecialty.com

R-T Specialty, LLC 1345 Avenue of the Americas, 4th Floor, New York, NY 10105

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	J.	

	1 11/1/21/1	
Tax ID #:_	12443726	

APT E-	
PIN#:	85015B0185

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

Part I to be completed by contracting agency

Fart 1 to be completed	by contracting agency			
Contract Overview				
APT E- Pin #	85015B0185	FMSP	Project ID#: QED1005	
Project Title/ Agency PIN #	INSTALLATION OF DISTRIBUT		ER MAINS AND	
Bid/Proposal Response Date	SEPTEMBER 01, 2015			
Contracting Agency	Department of Design and Cor	nstruction		
Agency Address	30-30 Thomson Avenue City	Long Islan	nd City State NY Zip Code 111	01
Contact Person	Ann-Chevealle Brown	Title	MWBE Liaison & Compliance Analys	st
Telephone #	(718) 391-1175	Email	Brownann@ddc.nyc.gov	
Project Description (att	ach additional pages if necessary)			N.
	PROJECT ID	: QED1005		
FOR THE INSTALLATIO	N OF DISTRIBUTION WATER MAII ASTORIA		PURTENANCES IN LONG ISLAND CITY A	ND

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

M/WBE Participation Goals for Services

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

Prime Contract Industry: Construction

Group	Percentage	
Unspecified*	§ / 1%	
or		
Black American	UNSPECIFIED*	
Hispanic American	UNSPECIFIED*	
Asian American	UNSPECIFIED*	
Women	UNSPECIFIED*	
Total Participation Goals	8 11%	Line 1

^{*}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 #: 11-2493726	
1ax ID #: 11-0 -1 1,) 7 (A f)	

APT E-		
PIN #:	85015B0185	

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 granted, it must be included with your bid or proposal and you do not have to complete or submit this form with your bid or proposal.

Section I: Prime Contractor Contact Info	rmation	Ŵź						
Tax 10# 11-2493726			FMS Vendor ID #	1α	0005690			
Business Name Tully Const	uction Co. I	no	Contact Person	ham	ias Olescizux			
Address 127-50 Horthan Blud, Flushing, HY 1138								
Telephone # 118446 7000 Email Toles CZUK et ully construction. Com								
W. L. Carlotte								
Section II: M/WBE Utilization Goal Calcu	**************************************		The state of the s	bsec	tion.			
PRIME CONTRACTOR ADOPTING AG	T ····································	TIC	T					
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.					a=8.0.23.99			
Please review the Notice to Prospective Contractors for more information on how to obtain credit for M/WBE participation.	30,735,399.	CO X	9%	=	\$ 45 8 23 1 1 Line 2			
PRIME CONTRACTOR OBTAINED PA PARTICIPATION GOALS	RTIAL WAIVER APF	PRO	OVAL: ADOPTING MO	DIFIE	D 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			

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Tax ID #: 11-2443726	APT E- PIN #: <u>85015B0185</u>
Section III: M/WBE Utilization review the Notice to Prospect participation. Check applical	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/M Please check all that apply to P	
As a Qualified Joint Venture and/or the value of any work su above, as applicable. The value fulfillment of MWRF Participation	e with an M/WBE partner, in which the value of the M/WBE partner's participation boontracted to other M/WBE firms is at least the amount located on Lines 2 or 3 e of any work subcontracted to non M/WBE firms will not be credited towards on Goals.
As a non M/WBE Prime Co least the amount located on Lin	ntractor that will enter into subcontracts with M/WBE firms the value of which is at
Section IV: General Contract In	formation
What is the expected percen services, regardless of M/WE	
	Enter brief description of the type(s) and dollar value of subcontracts for all/any services you plan on 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 and end. Use additional sheets if necessary. 1 Landscaping MWBE-545ccds 334,256.00 2 Pavement Markings MWBE-545ccds 334,266.00 4 Rodent Control MWBE-545ccds 326,486.00 6. Ly848,086.00 8. Trucking MWBE-545ccds 4860.00 8. Trucking MWBE-545ccds 4860.00 8. Trucking MWBE-545ccds 4860.00
✓ Scopes of Subcontract Work	9 687/ 10 Electrical-Lan MWBE-545 cd's 148,687/ 12 13 14 15 16 17.

APT E-	
PIN #:	85015B0185

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;

affirm that the information supplied in support of this M/WBE Utilization Plan is true and correct;
 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	ATT.5	Date 9 1 15	
Print Name	Pereck Tully	Title President	

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

Tax ID #					
	11-2493720			QED 1005	
Business Name					
Contact Namo			_	000 Email 568	BELOW
Type of Procure	<u> </u>	ve Sealed Blds	Other Bid/Resp	onse Due Date 9/1	115
APT E-PIN # (for procurement):_	rthis 860151301	<u>&s</u>		Ing Agency:	•
		EMA	in Fhartme	anne Tour Come	TEUCHOD.
M/WBE Partic	cipation Goals as des	scribed in bid/solicit	ation documents		
. 11	%	*			
,	Agency M/WBE P	articipation Goal			
Proposed M/WB	E Participation Goal as	enticipated by vendo	r seeking walver		
4	t/			der/proposer to be subc	
	for services and/or	r credited to an M/W	BE Prime Contractor o	r Qualified Joint Venture	ontracted
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☐ Vendor does	not subcontract service	es, and has the cap	acity and good faith le	ntention to perform all s	auch work
self with its own	employees.				
Vendor subsc	reference command this ass				
	ntracts some of this ty	pe or work but at a	iower % than bid/solid	Sitation describes, and	has the
shearly and Bool	e raith intendon to co s	o on this contract.	(Altach subconfract)	ng plan outlining servic	es that
he vendor will se	li-perform and subcont	tract to other vendo	rs or consultants.)		
Vendor has of	her legitimate business	s resente for broke	eing the MANDE David	sination Coal shaws	
nder separate co	ver.	s regarded for broba	ema materic Lati	cibanou gost above' F	xpiain
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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 04/26/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	1-908-566-1010	CONTACT	
Construction Risk Partners,	LLC	NAME:	
,		PHONE FAX (A/C, No, Ext): (A/C	, No):
Campus View Plaza		E-MAIL ADDRESS:	
1250 Route 28, Suite 201		INSURER(S) AFFORDING COVERAGE	NAIC #
Branchburg, NJ 08876		INSURER A: ARCH INS CO	11150
INSURED		AMERICAN COLOR - LICE	
Tully Construction Co., Inc.		INSURER B: AMERICAN GUAR & LIAB INS	26247
2		INSURER C: ARCH IND INS CO	30830
127-50 Northern Blvd		INSURER D: ALTERRA AMER INS CO	21296
		INSURER E :	
Flushing, NY 11368		INSURER F :	
COVERAGES	CERTIFICATE NUMBER: 46602040	 	<u></u>

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR			ADDL SUBR	LIMITS SHOWN MAY HAVE BEEN	POLICY EFF			
LTR		TYPE OF INSURANCE	INSD WVD	POLICY NUMBER	(MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	rs
A	X	CLAIMS-MADE X OCCUR	-	11PKG8899905	03/31/16	03/31/17	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 4,000,000 \$ 250,000
		-					MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 4,000,000
	GEN	I'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO- X LOC					GENERAL AGGREGATE	\$ 8,000,000
				•			PRODUCTS - COMP/OP AGG	\$ 8,000,000
A		OTHER:						\$
î	X	OMOBILE LIABILITY		11PKG8899905	03/31/16	03/31/17	COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000
ŀ	_	ANY AUTO ALL OWNED SCHEDULED]		BODILY INJURY (Per person)	\$
	-	AUTOS AUTOS NON-OWNED					BODILY INJURY (Per accident)	\$
	x	HIRED AUTOS X AUTOS Comp \$500 X Coll \$500					PROPERTY DAMAGE (Per accident)	\$
_		HARDELLA LIAD						\$
В		EVCERSIAR		SXS 0191868-00	03/31/16	03/31/17	EACH OCCURRENCE	\$ 25,000,000
		CLAIMS-MADE					AGGREGATE	\$ 25,000,000
		DED RETENTION \$ KERS COMPENSATION						\$
٠	AND	EMPLOYERS' LIABILITY		14WCI8920105	03/31/16	03/31/17	X PER OTH- STATUTE ER	
ļ	OFFIC	PROPRIETOR/PARTNER/EXECUTIVE DER/MEMBER EXCLUDED?	N/A				E.L. EACH ACCIDENT	\$ 1,000,000
,	If ves.	describe under		·			E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
		RIPTION OF OPERATIONS below					E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
		Per cy		MAXA6IM0049213	06/05/15	06/05/16	Business Pers Prop	40,000
DESC	01071	ON OF ODERATIONS (1) DO ATIONS						

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

Re: QED1005 Installation of Distribution Water Mains and Appurtenances in LIC and Astoria, Queens
Business Personal Property applies to Engineer's Field Office at unnamed location.
City of New York, including its officials and employees, The New York City Transit Authority (NYCTA), Manhattan
and Bronx Surface Transit Operating Authority (MaBSTOA), Staten Island Rapid Transit Authority (SIRTOA),
Metropolitan Transportation Authority (MTA) its subsidiaries and affiliated companies, The National Railroad Passenger
Corporation (AMTRAK), its subsidiaries and affiliated companies, National Grid, Consolidated Edison Company of
New York are additional insured as required by written contract.

CERTIFICATE HOLDER	CANCELLATION		
NYC Department of Design and Construction	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 Thomson Avenue	AUTHORIZED REPRESENTATIVE		
Long Island City,, NY 11101 USA	J-7 C-J		

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	*				

SUPPLEMENT TO CERTIFICATE OF INSURANCE				
NAME OF INSURED: Tully Construction Co., Inc.				
SUPP (10/00)				

				;

MAYOR'S CERTIFICATE OR CERTIFICATE OF THE DIRECTOR OF THE BUDGET

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 1)

PERFORMANCE BOND #1

KNOW ALL PERSONS BY THESE PRESENTS:, That we,
hereinafter referred to as the "Principal," and,
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
(\$) 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
a copy of which Contract is annexed to and hereby made a part of this bond as though herein set forth in

tull;

NOW, THEREFORE, the conditions of this obligation are such that if the Principal, his or its representatives or assigns, shall well and faithfully perform the said Contract and all modifications, amendments, additions and alterations thereto that may hereafter be made, according to its terms and its true intent and meaning, including repair and or replacement of defective work and guarantees of maintenance for the periods stated in the Contract, and shall fully indemnify and save harmless the City from all cost and damage which it may suffer by reason of 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

<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

	day of		, 20	·
(Seal)	·			
				(L.S.)
			Principal	
		Ву:		<u>.</u>
(Seal)			Surety	
		By:		<u> </u>
(Seal)			Surety	•
		By:		·
(Seal)			Surety	
		Ву:		· · · · · · · · · · · ·
(Seal)			Surety	·
		Ву:		•
(Seal)			Surety	<u> </u>
		Ву:		
Bond Premium Rate			<u>.</u>	
Bond Premium Cost				

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.

<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 4)

ACKNOWLEDGMENT OF PRINCIPAL IF A CORPORATION					
State of	Cour	ity of	ss:		
On this	day of	, 20	before me personally		

to me known, who, being by me duly sworn did depose and say that he/she resides

ACKNOWLEDGMENT OF PRINCIPAL IF A PARTNERSHIP

State of	ofCounty of		ss:
On this	day of,	, , , , , , , , , , , , , , , , , , , ,	
to me known, who, be	eing by me duly sworn did dis	spose and say that he/she resid	des
at			
		; that he/she is	partner of
	, a limited/general par	tnership existing under the la	ws of the State of
	, the partnership describ	ed in and which executed the	foregoing instrument;
and that he/she signed said partnership.	d his/her name to the foregoin	g instrument as the duly author	orized and binding act of

Notary Public or Commissioner of Deeds.

Notary Public or Commissioner of Deeds.

ACKNOWLEDGMENT OF PRINCIPAL IF AN INDIVIDUAL

State of	Co	unty of	SS:
On this		, 20	before me personally
came to me known, who,.be	ing by me duly sworn did	_, depose and say that he/she resi	ides
at	• • •	•	
	n instrument and acknowldual executed the instrument	edged to me that by his/her sig	individual whose name is mature on the

Notary Public or Commissioner of Deeds

Each executed bond should be accompanied by: (a) appropriate acknowledgments of the respective parties; (b) appropriate duly certified copy of Power of Attorney or other certificate of authority where bond is executed by agent, officer or other representative of Principal or Surety; (c) a duly certified extract from By-Laws or resolutions of Surety under which Power of Attorney or other certificate of authority of its agent, officer or representative was issued, and (d) certified copy of latest published financial statement of assets and liabilities of Surety.

Affix Acknowledgments and Justification of Sureties.

<u>Performance Bond #2 (Pages 96 to 99)</u>: Use if the total contract price is more than \$5 Million.

PERFORMANCE BOND #2 (Page 1)

PERFORMANCE BOND #2

KNOW ALL PERSONS BY THESE PRESENTS:, That we,
hereinafter referred to as the "Principal," and,
· · · · · · · · · · · · · · · · · · ·
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
· · · · · · · · · · · · · · · · · · ·
(\$) 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
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, shall well and faithfully perform the said Contract and all modifications amendments, additions and alterations thereto that may hereafter be made, according to its terms and its true intent and meaning, including repair and or replacement of defective work and guarantees of maintenance for the periods stated in the Contract, and shall fully indemnify and save harmless the City

from all cost and damage which it may suffer by reason of 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

Performance Bond #2 (Pages 96 to 99): Use if the total contract price is more than \$5 Million.

PERFORMANCE BOND #2 (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 either (1) pay the full amount of the above penal sum in complete discharge and exoneration of this bond and of all the liabilities of the Surety relating to this bond, or (2) fully perform and complete the Work to be performed under the Contract, pursuant to the terms, conditions, and covenants thereof. The Surety (Sureties) further agrees, at its option, either to tender the penal sum 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 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. The Surety and the City reserve all rights and defenses each may have against the other; provided, however, that the Surety expressly agrees that its reservation of rights shall not provide a basis for non-performance of its obligation to commence and to complete all Work as provided herein.

The Surety (Sureties), for value received, for itself and its successors and assigns, hereby stipulates and agrees that the obligation of said Surety (Sureties) and its bond shall be in no way impaired or affected by any extension of time, modification, omission, addition, or change in or to the said Contract or 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 Work to be performed or any moneys due or to become due thereunder; and said Surety (Sureties) does hereby waive notice of any and all of such extensions, modifications, omissions, additions, changes, payments, waivers, assignments, subcontracts and transfers, and hereby expressly stipulates and agrees that any and all things done and omitted to be done by 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 by or in relation to said Principal.

Performance Bond #2 (Pages 96 to 99): Use if the total contract price is more than \$5 Million.

PERFORMANCE BOND #2 (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

day o	of	20	
(Seal)			(L.S.)
	•	Principal	(L.S.)
	Ву:		<u> </u>
(Seal)		Surety	
	Ву:		
(Seal)		Surety	
(Seal)		Surety	
	By:		
(Seal)		Surety	<u> </u>
	Ву:		······
(Seal)	4	Surety	•
	Ву:		<u>-</u>
Bond Premium Rate		<u>.</u>	
Bond Premium Cost		<u>.</u>	
If the Contractor (Principal) is a partner	rship, the bond should	be signed by each of the inc	dividuals who a

е 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.

Performance Bond #2 (Pages 96 to 99): Use if the total contract price is more than \$5 Million.

PERFORMANCE BOND #2 (Page 4)

ACKNOWLEDGMENT OF PRINCIPAL IF A CORPORATION

State of		_ County of	ss:
		, 20	
came to me known, wh at		n did depose and say that he resides	
ur		; that he/she is the	
of the corporation	n described in and which	executed the foregoing instrument ors of said corporation as the duly a	; that he/she signed his/her name to the
Notary Public or	Commissioner of Deeds.		
	ACKNOWLEDG	MENT OF PRINCIPAL IF A P	<u>ARTNERSHIP</u>
State of		_ County of	ss:
		, 20	
to me known, who	o, being by me duly swori	did depose and say that he/she res	ides
		; that he/she is	partner of
	, a limit	ted/general partnership existing und	er the laws of the State of
		ship described in and which execute oregoing instrument as the duly aut	
Notary Public or	Commissioner of Deeds		
	ACKNOWLEDG	MENT OF PRINCIPAL IF AN	INDIVIDUAL
State of		County of	ss;
	day of	, 20	before me personally
came to me known, who at		n did depose and say that he/she resi	ides
		, and that he/she is the in	
	within instrument and ack ndividual executed the ins	nowledged to me that by his/her sig trument.	gnature on the
Notary Public or (Commissioner of Deeds		
duly certified copy representative of F of Attorney or oth	y of Power of Attorney or Principal or Surety; (c) a du	other certificate of authority where be ally certified extract from By-Laws or f its agent, officer or representative v	s of the respective parties; (b) appropriate cond is executed by agent, officer or other resolutions of Surety under which Power was issued, and (d) certified copy of latest

* * * * * * * * * Affix Acknowledgments and Justification of Sureties.

Payment Bond (Pages 100 to 103): Use for any contract for which a Payment Bond is required.

PAYMENT BOND (Page 1)

PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS, That we,
hereinafter referred to as the "Principal", and
· · · · · · · · · · · · · · · · · · ·
nereinafter referred to as the "Surety" ("Sureties") are held and firmly bound to THE CITY OF NEW YORK nereinafter referred to as the "City" or to its successors and assigns, in the penal sum of
·
(\$) 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
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

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

Wages and compensation for labor performed and services rendered by all persons engaged in

Payment Bond (Pages 100 to 103): Use for any contract for which a Payment Bond is required.

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 (Pages 100 to 103): Use for any contract for which a Payment Bond is required.

PAYMENT BOND (Page 3)

IN WITNESS WHEREOF, the Prin and seals, and such of them as are corporation these presents to be signed by their proper of	ons have cause	d their corporate seals	to be hereunto affixed a	nd
(Seal)			(L.S.)	
		Principal		
	Ву:			
(Seal)		9	· · · · · · · · · · · · · · · · · · ·	
		Surety		
	By:			
(Seal)		Surety		
	Bv·	-		
	25			
(Seal)				
		Surety		
	Ву:			
(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.

Payment Bond (Pages 100 to 103): Use for any contract for which a Payment Bond is required.

PAYMENT BOND (Page 4)

State of	ss:
o me known who h	f,, before me personally came being by me duly sworn did depose and say that he resides at that he is the
corporation; that one	that he is the that he is the ribed in and which executed the foregoing instrument; that he knows the seal of se of the seals affixed to said instrument is such seal; that it was so affixed by order corporation, and that he signed his name thereto by like order.
	Notary Public or Commissioner of Deeds
ACKNOWLEDGN	IENT OF PRINCIPAL, IF A PARTNERSHIP
State of	County ofss:
0 1	1.6
to me known, and k	f, before me personally appeared nown to me to be one of the members of the firm of described in and who executed the foregoing instrument; and I that he executed the same as and for the act and deed of said firm.
to me known, and k	described in and who executed the foregoing instrument; and I
to me known, and k	described in and who executed the foregoing instrument; and let that he executed the same as and for the act and deed of said firm.
to me known, and known, and knowledged to me	described in and who executed the foregoing instrument; and lethat he executed the same as and for the act and deed of said firm. Notary Public or Commissioner of Deeds
ACKNOWLEDGM State of day of to me known, and he	described in and who executed the foregoing instrument; and that he executed the same as and for the act and deed of said firm. Notary Public or Commissioner of Deeds MENT OF PRINCIPAL, IF AN INDIVIDUAL

Each executed bond should be accompanied by: (a) appropriate acknowledgments of the respective parties; (b) appropriate duly certified copy of Power of Attorney or other certificate of authority where bond is executed by agent, officer or other representative of Principal or Surety; (c) a duly certified extract from By-Laws or resolutions of Surety under which Power of Attorney or other certificate of authority of its agent, officer or representative was issued, and (d) certified copy of latest published financial statement of assets and liabilities of Surety.

* * * * * * * * * * * * * * * Affix Acknowledgments and Justification of Sureties.

CITY OF NEW YORK DDC

STANDARD CONSTRUCTION CONTRACT December 2013 (NO TEXT ON THIS PAGE)

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.

| CODE | CLASSIFICATION |
|---|---|
| 15 42 001
15 42 002 | Rigger
Sign Erector |
| 16 11 001
16 11 002
16 11 003 | Gardener
Tree Pruner
Tree Remover |
| 16 11 011
16 11 012
16 11 013
16 11 014
16 11 015
16 11 016
16 11 017 | Asphalt Raker (Highway & Paving) Tamper (Highway & Paving) Curbsetter (Highway & Paving) Formsetter (Highway & Paving) Rammerman (Highway & Paving) Laborer (Highway & Paving) ALL OTHER TITLES (Highway & Paving) |
| 16 23 001
16 23 002
16 23 003
16 23 004
16 23 005
16 23 006
16 23 007 | Laborer Operating Engineer (Heavy Construction-Maintenance) Junior Operating Engineer Junior Operating Engineer Junior Operating Engineer Fireman (Heavy Construction) Oiler (Heavy Construction) |
| 16 23 051
16 23 052
16 23 053
16 23 057
16 23 058
16 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 |

| COL |)E | CLASSIFICATION |
|----------------|----------------------------|---|
| 16
16
16 | 23 062 | Operating Engineer-Road & Heavy Construction
Operating Engineer-Paving
Operating Engineer-Concrete |
| | 23 072
23 073 | Teamster-Heavy Equipment Trailer Driver
Teamster-Dump Truck Driver
Teamster-Flat Bed Trailer Driver (3-Axle)
Teamster-Redi-Mix (Sand and Gravel) |
| 16 | 29 011 | Drill Runners |
| 17 | 11 001 | Plumbers |
| 17 | 21 001 | Painter (Brush & Roller) |
| 17 | 31 001 | Electrician |
| 17
17
17 | 41 001
41 002
41 004 | Bricklayer
Mason Tender
Cement Mason |
| 17 | 42 002 | Metallic Lather |
| 17
17 | 51 001
51 002 | Carpenter
Dock Builder |
| 17 | 71 001 | Cement & Concrete Worker |
| 17 | 91 001 | Structural Iron Worker |
| 17 | 95 001 | Barman |
| 17 | 96 021 | Derrickmen & Riggers |
| 17
17
17 | 99 001
99 002
99 005 | Ornamental Iron Worker
Sandblaster
Pointers (Waterproofer) |
| 17 | 99 011 | Welders |

Each classification may include trainees depending upon project staffing schedules and as required by the terms of this contract.

LABOR LAW §220 PREVAILING WAGE SCHEDULE

Workers, Laborers and Mechanics employed on a public work project must receive not less than the prevailing rate of wage and benefits for the classification of work performed by each upon such public work. Pursuant to Labor Law §220 the Comptroller of the City of New York has promulgated this schedule solely for Workers, Laborers and Mechanics engaged by private contractors on New York City public work contracts.

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 calling (212) 669-4443, Monday through Friday between the hours of 9 a.m. and 5 p.m.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 1 of 86

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 pre-negotiated 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 <u>EACH HOUR WORKED</u> unless otherwise noted.

Wasyl Kinach, P.E.
Director of Classifications
Bureau of Labor Law

TABLE OF CONTENTS

| CLASSIFICATION | PAGE |
|---|------|
| ASBESTOS HANDLER | |
| BLASTER | |
| BOILERMAKER | 7 |
| BRICKLAYER | 8 |
| CARPENTER - BUILDING COMMERCIAL | 9 |
| CARPENTER - HEAVY CONSTRUCTION WORK | 10 |
| CARPENTER - SIDEWALK SHED, SCAFFOLD AND HOIST | 11 |
| CEMENT & CONCRETE WORKER | 12 |
| CEMENT MASON | 13 |
| CORE DRILLER | 13 |
| DERRICKPERSON AND RIGGER | 15 |
| DIVER | 15 |
| DOCKBUILDER - PILE DRIVER | 16 |
| DRIVER: TRUCK (TEAMSTER) | 17 |
| ELECTRICIAN | |
| LECTRICIAN - ALARM TECHNICIAN | 22 |
| ELECTRICIAN-STREET LIGHTING WORKER | 23 |
| ELEVATOR CONSTRUCTOR | 24 |
| ELEVATOR REPAIR & MAINTENANCE | 25 |
| ENGINEER | |
| ENGINEER - CITY SURVEYOR AND CONSULTANT | 31 |
| ENGINEER - FIELD (BUILDING CONSTRUCTION) | 32 |
| ENGINEER - FIELD (HEAVY CONSTRUCTION) | |
| ENGINEER - FIELD (STEEL ERECTION) | |
| ENGINEER - OPERATING | 35 |
| FLOOR COVERER | 43 |
| GLAZIER | 44 |
| GLAZIER - REPAIR & MAINTENANCE | 45 |
| HEAT AND FROST INSULATOR | 46 |
| HOUSE WRECKER | 47 |
| IRON WORKER - ORNAMENTAL | 47 |
| IRON WORKER - STRUCTURAL | |
| LABORER | 49 |
| ANDSCAPING | 50 |
| | |

| MARBLE MECHANIC | 52 |
|---|----|
| MASON TENDER | 53 |
| MASON TENDER (INTERIOR DEMOLITION WORKER) | 54 |
| METALLIC LATHER | 55 |
| MILLWRIGHT | |
| MOSAIC MECHANIC | 57 |
| PAINTER | 58 |
| PAINTER - SIGN | 58 |
| PAINTER - STRIPER | 59 |
| PAINTER - STRUCTURAL STEEL | 60 |
| PAPERHANGER | 61 |
| PAVER AND ROADBUILDER | 62 |
| PLASTERER | 64 |
| PLASTERER - TENDER | 65 |
| PLUMBER | 65 |
| PLUMBER (MECHNICAL EQUIPMENT AND SERVICE) | 67 |
| PLUMBER (RESIDENTIAL RATES FOR 1, 2 AND 3 FAMILY HOME CONSTRUCTION) | 67 |
| PLUMBER: PUMP & TANK | 68 |
| POINTER - WATERPROOFER, CAULKER MECHANIC (EXTERIOR BUILDING RENOVATION) | 69 |
| ROOFER | 70 |
| SANDBLASTER - STEAMBLASTER | 70 |
| SHEET METAL WORKER | 71 |
| SHEET METAL WORKER - SPECIALTY | 72 |
| SHIPYARD WORKER | 73 |
| SIGN ERECTOR | 75 |
| STEAMFITTER | 75 |
| STEAMFITTER - REFRIGERATION AND AIR CONDITIONER | 77 |
| STONE MASON - SETTER | 79 |
| TAPER | 80 |
| TELECOMMUNICATION WORKER | 81 |
| TILE FINISHER | 82 |
| TILE LAYER - SETTER | |
| TIMBERPERSON | 83 |
| TUNNEL WORKER | 84 |
| WEI DED | 98 |

ASBESTOS HANDLER

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

Asbestos Handler

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$36.00

Supplemental Benefit Rate per Hour: \$15.95

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

hanksgiving Day

hristmas Day

Easter

Paid Holidays

None

(Local #78 and Local #12A)

BLASTER

<u>Blaster</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$46.89

Supplemental Benefit Rate per Hour: \$41.19

Blaster (Hydraulic)

Effective Period: 7/1/2015 - 6/30/2016

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 5 of 86

Wage Rate per Hour: \$47.71

Supplemental Benefit Rate per Hour: \$41.19

Blaster - Trac Drill Hydraulic

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$42.25

Supplemental Benefit Rate per Hour: \$41.19

Blaster - Wagon: Air Trac: Quarry Bar: Drillrunners

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$41.46

Supplemental Benefit Rate per Hour: \$41.19

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.42

Supplemental Benefit Rate per Hour: \$41.19

Blaster - Powder Carriers

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$36.53

Supplemental Benefit Rate per Hour: \$41.19

Blaster - Hydraulic Trac Drill Chuck Tender

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$35.25

Supplemental Benefit Rate per Hour: \$41.19

Blaster - Chuck Tender & Nipper

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$34.50

Supplemental Benefit Rate per Hour: \$41.19

Blaster - Magazine Keepers: (Watch Person)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$20.68

Supplemental Benefit Rate per Hour: \$41.19

vertime Description

agazine Keepers:

Time and one half for work performed in excess of forty (40) hours per week and for work performed on Saturdays, Sundays and Holidays.

All Other Employees:

Time and one-half for the first eight hours of work on Saturday and for Make-up Time. Double time for all hours over eight Monday through Friday (except make-up hours) and for all hours worked on Sunday and Holidays.

Overtime

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

Overtime Holidays

Double time the regular rate for work on the following holiday(s).
New Year's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Presidential Election Day
Thanksgiving Day
Christmas Day

Paid Holidays

one

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 ½ hour unpaid lunch. When three (3) shifts are employed, each shift will work seven and one-half (7½) hours, but will be paid for eight (8) hours, since only one-half (½) 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$51.56

Supplemental Benefit Rate per Hour: \$41.69

Supplemental Note: For time and one half overtime - \$61.94 For double overtime - \$82.18

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 7 of 86

Overtime Description

For Repair and Maintenance work:

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

For New Construction work:

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

Overtime Holidays

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

New Year's Day

President's Day

Memorial Day

Independence Day

Columbus Day

Election Day

Veteran's Day

Thanksgiving Day

Christmas Day

Quadruple time the regular rate for work on the following holiday(s). Labor Day

Paid Holidays

Good Friday
Day after Thanksgiving
Day before Christmas
Day before New Year's Day

Shift Rates

When shifts are required, the first shift shall work eight (8) hours at the regular straight-time hourly rate. The second shift shall work seven and one-half (7 $\frac{1}{2}$) hours and receive eight hours at the regular straight time hourly rate plus twenty-five cents (\$0.25) per hour. The third shift shall work seven (7) hours and receive eight hours at the regular straight time hourly rate plus fifty cents (\$0.50) per hour. A thirty (30) minute lunch period shall not be considered as time worked. Work in excess of the above shall be paid overtime at the appropriate new construction work or repair work overtime wage and supplemental benefit hourly rate.

(Local #5)

BRICKLAYER

Bricklayer

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$48.91

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 8 of 86

upplemental 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$50.50

Supplemental Benefit Rate per Hour: \$45.88

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.

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

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 9 of 86

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$50.50

Supplemental Benefit Rate per Hour: \$46.65

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

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 10 of 86



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)

CARPENTER - SIDEWALK SHED, SCAFFOLD AND HOIST

Carpenter - Hod Hoist

(Assisted by Mason Tender)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$49.60

Supplemental Benefit Rate per Hour: \$43.00

Overtime

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

lime 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**

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 11 of 86

(Carpenters District Council)

CEMENT & CONCRETE WORKER

Cement & Concrete Worker

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$42.48

Supplemental Benefit Rate per Hour: \$26.57

Supplemental Note: \$29.32 on Saturdays; \$32.07 on Sundays & Holidays

Overtime Description

Time and one half the regular rate after 7 hour day (time and one half the regular rate after an 8 hour day when working with Dockbuilders on pile cap forms and for work below street level to the top of the foundation wall, not to exceed 2 feet or 3 feet above the sidewalk-brick shelf, when working on the foundation and structure.)

Overtime

Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

Overtime Holidays

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

President's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Presidential Election Day
Thanksgiving Day

Paid Holidays

Christmas Day

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)

EMENT MASON

Cement Mason

Effective Period: 7/1/2015 - 6/30/2016

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
hanksgiving Day

Paid Holidays

hristmas Dav

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$36.82

Supplemental Benefit Rate per Hour: \$22.69

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 13 of 86

Core Driller Helper

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$29.44

Supplemental Benefit Rate per Hour: \$22.69

Core Driller Helper(Third year in the industry)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$26.50

Supplemental Benefit Rate per Hour: \$22.69

Core Driller Helper (Second year in the industry)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.55

Supplemental Benefit Rate per Hour: \$22.69

Core Driller Helper (First year in the industry)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$20.61

Supplemental Benefit Rate per Hour: \$22.69

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).

New Year's Day Memorial Day Independence Day Labor Day Thanksgiving Day Christmas Day

Paid Holidays

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 (7½) hours paid for eight (8) hours of labor and be permitted one-half (½) hour for mealtime.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 14 of 86

arpenters District Council)

DERRICKPERSON AND RIGGER

Derrick Person & Rigger

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.84

Supplemental Benefit Rate per Hour: \$49.28

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

Queens. \$50.70 - 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

ouble 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$63.82

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 15 of 86

Supplemental Benefit Rate per Hour: \$46.65

Diver Tender (Marine)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$45.47

Supplemental Benefit Rate per Hour: \$46.65

Overtime

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

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

Overtime Holidays

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

New Year's Day President's Day Memorial Day Independence Day Labor Day Columbus Day Presidential Election Day Thanksgiving Day **Christmas Day**

Paid Holidays

None

Shift Rates

When three shifts are utilized each shift shall work seven and one half-hours (7 1/2 hours) and paid for 8 hours, allowing for one half hour for lunch.

(Carpenters District Council)

DOCKBUILDER - PILE DRIVER

Dockbuilder - Pile Driver

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$50.50

Supplemental Benefit Rate per Hour: \$46.65

Overtime

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

EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 16 of 86 PUBLISH DATE: 7/1/2015

ime and one half the regular rate for Saturday.

ouble 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)

DRIVER: TRUCK (TEAMSTER)

Driver - Dump Truck

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$39.53

Supplemental Benefit Rate per Hour: \$41.59

Supplemental Note: Over 40 hours worked: time and one half rate \$16.94, double time rate \$22.58

Driver - Tractor Trailer

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$39.50

Supplemental Benefit Rate per Hour: \$43.35

Supplemental Note: For over 40 hours worked: at time and one half - \$16.65; at double time - \$22.20

Driver - Euclid & Turnapull Operator

Effective Period: 7/1/2015 - 6/30/2016

¥age Rate per Hour: \$40.06

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 17 of 86

Supplemental Benefit Rate per Hour: \$43.35

Supplemental Note: Over 40 hours worked: time and one half rate \$16.65 double time rate \$22.20

Overtime Description

For Paid Holidays: Holiday pay for all holidays shall be prorated based two hours per day for each day worked in the holiday week, not to exceed 8 hours of holiday pay. For Thanksgiving week, the prorated share shall be 5 1/3 hours of holiday pay for each day worked in Thanksgiving week.

Overtime

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

Overtime Holidays

Double time the regular rate for work on the following holiday(s). New Year's Dav **President's Day Memorial Day** Independence Day **Labor Day** Columbus Day Veteran's Day Thanksgiving Day Day after Thanksgiving **Christmas Dav**

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**

Shift Rates

Off single shift work commencing between 6:00 P.M. and 5:00 A.M. shall work eight and one half hours allowing for one half hour for lunch and receive 9 hours pay for 8 hours of work.

Driver Redi-Mix (Sand & Gravel)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$36.30

Supplemental Benefit Rate per Hour: \$40.02

Supplemental Note: Over 40 hours worked: time and one half rate \$13.90, double time rate \$18.53

EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 18 of 86 **PUBLISH DATE: 7/1/2015**

Pvertime Description

For Paid Holidays: Employees working two (2) days in the calendar week in which the holiday falls are to paid for these holidays, provided they shape each remaining workday during that calendar week.

Overtime

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

Overtime Holidays

Double time the regular rate for work on the following holiday(s). President's Day
Columbus Day
Veteran's Day

Triple time the regular rate for work on the following holiday(s).
New Year's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

Paid Holidays

New Year's Day President's Day emorial 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$50.03

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 19 of 86

Electrician "A" (Regular Day Overtime)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$81.00

Supplemental Benefit Rate per Hour: \$53.41

Electrician "A" (Day Shift)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$50.03

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

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$81.00

Supplemental Benefit Rate per Hour: \$53.41

Electrician "A" (Swing Shift)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$63.36

Supplemental Benefit Rate per Hour: \$56.94

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

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$95.04

Supplemental Benefit Rate per Hour: \$60.91

Electrician "A" (Graveyard Shift)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$70.97

Supplemental Benefit Rate per Hour: \$62.78

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

Effective Period: 7/1/2015 - 6/30/2016

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 20 of 86

vertime 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 \$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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$27.50

Supplemental Benefit Rate per Hour: \$20.82

First and Second Year "M" Wage Rate Per Hour: \$23.00 First and Second Year "M" Supplemental Rate: \$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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$41.25

Supplemental Benefit Rate per Hour: \$22.54

irst and Second Year "M" Wage Rate Per Hour: \$34.50

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 21 of 86

First and Second Year "M" Supplemental Rate: \$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

Martin Luther King Jr. Day President's Day Memorial Day Independence Day Labor Day Columbus Day Veteran's Day

Thanksgiving Day
Day after Thanksgiving
Christmas Day

Paid Holidays

None

(Local #3)

ELECTRICIAN - ALARM TECHNICIAN

(Scope of Work - Inspect, test, repair, and replace defective, malfunctioning, or broken devices, components and controls of Fire, Burglar and Security Systems)

Alarm Technician

Effective Period: 7/1/2015 - 3/9/2016 Wage Rate per Hour: \$31.40

Supplemental Benefit Rate per Hour: \$14.76

Supplemental Note: \$13.26 only after 8 hours worked in a day

Effective Period: 3/10/2016 - 6/30/2016

Wage Rate per Hour: \$32.00

Supplemental Benefit Rate per Hour: \$15.47

Supplemental Note: \$13.97 only after 8 hours worked in a day

Overtime Description

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 22 of 86

ime and one half the regular rate for work on the following holidays: Columbus Day, Veterans Day, Day after hanksgiving.

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 vear

Sick Days:

One day per Year. Up to 4 vacation days may be used as sick days.

(Local #3)

ELECTRICIAN-STREET LIGHTING WORKER

<u> Electrician - Electro Pole Electrician</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$51.86

Electrician - Electro Pole Foundation Installer

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 23 of 86

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.93

Supplemental Benefit Rate per Hour: \$39.46

Electrician - Electro Pole Maintainer

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$35.05

Supplemental Benefit Rate per Hour: \$35.51

Overtime Description

Electrician - Electro Pole Electrician: Time and one half the regular rate after a 7 hour day and after 5 consecutive

days worked per week.

Electrician - Electro Pole Foundation Installer: Time and one half the regular rate after 8 hours within a 24 hour

period and Saturday and Sunday.

Electrician - Electro Pole Maintainer: Time and one half the regular rate after a 7 hour day and after 5 consecutive days worked per week. Saturdays and Sundays may be used as a make-up day at straight time when a day is lost during the week to inclement weather.

Overtime Holidays

Time and one half the regular rate for work on the following holiday(s).

New Year's Day

Martin Luther King Jr. Day

President's Day Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

Paid Holidays

None

(Local #3)

ELEVATOR CONSTRUCTOR

Elevator Constructor

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate per Hour: \$59.55

Supplemental Benefit Rate per Hour: \$31.07

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 24 of 86

ffective Period: 3/17/2016 - 6/30/2016

Vage Rate per Hour: \$60.96

Supplemental Benefit Rate per Hour: \$32.67

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

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

Paid Holidays

New Year's Day
President's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Vacation

Employer contributes 8% of regular basic hourly rate as vacation pay for employees with more than 15 years of service, and 6% for employees with 5 to 15 years of service, and 4% for employees with less than 5 years of service.

(Local #1)

ELEVATOR REPAIR & MAINTENANCE

Elevator Service/Modernization Mechanic

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate per Hour: \$46.92

Supplemental Benefit Rate per Hour: \$30.91

Effective Period: 3/17/2016 - 6/30/2016

Wage Rate per Hour: \$47.91

Supplemental Benefit Rate per Hour: \$32.51

Overtime Description

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 25 of 86

For Scheduled Service Work: Double time - work scheduled in advance by two or more workers performed on Sundays, Holidays, and between midnight and 7:00am.

Overtime

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

Time and one half the regular rate for work on a holiday plus the day's pay.

Paid Holidays

New Year's Day
President's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Shift Rates

Afternoon shift - regularly hourly rate plus a (15%) fifteen percent differential. Graveyard shift - time and one half the regular rate.

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$64.31

Supplemental Benefit Rate per Hour: \$34.25

Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$102.90

Engineer - Heavy Construction Operating Engineer II

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 26 of 86

ackhoes, Basin Machines, Groover, Mechanical Sweepers, Bobcat, Boom Truck, Barrier Transport (Barrier lover) & 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$62.40

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$99.84

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$59.20

upplemental Benefit Rate per Hour: \$34.25 supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$94.72

Engineer - Heavy Construction Maintenance Engineer I

Installing, Repairing, Maintaining, Dismantling and Manning of all equipment including Steel Cutting, Bending and Heat Sealing Machines, Mechanical Heaters, Grout Pumps, Bentonite Pumps & Plants, Screening Machines, Fusion Coupling Machines, Tunnel Boring Machines Moles and Machines of a similar nature, Power Packs, Mechanical Hydraulic Jacks; all drill rigs including but not limited to Churn, Rotary Caisson, Raised Bore & Drills of a similar nature; Personnel, Inspection & Safety Boats or any boats used to perform functions of same, Mine Hoists, Whirlies, all Climbing Cranes, all Tower Cranes, including but not limited to Truck Mounted and Crawler Type and machines of similar nature; Maintaining Hydraulic Drills and machines of a similar nature; Well Point System-Installation and dismantling; Burning, Welding, all Pumps regardless of size and/or motor power, except River Cofferdam Pumps and Wells Point Pumps; Motorized Buggies (three or more); equipment used in the cleaning and televising of sewers, but not limited to jet-rodder/vacuum truck, vacall/vactor, closed circuit television inspection equipment; high powered water pumps, jet pumps; screed machines and concrete finishing machines of a similar nature; vermeers.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$62.11

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$99.38

Engineer - Heavy Construction Maintenance Engineer II

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 27 of 86

On Base Mounted Tower Cranes

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$81.54

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$130.46

Engineer - Heavy Construction Maintenance Engineer III

On Generators, Light Towers

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$41.04

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$65.66

Engineer - Heavy Construction Maintenance Engineer IV

On Pumps and Mixers including mud sucking

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$42.11

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$67.38

Engineer - Heavy Construction Oilers I

Gradalls, Cold Planer Grader, Concrete Pumps, Driving Truck Cranes, Driving and Operating Fuel and Grease Trucks.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$56.02

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$89.63

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$38.79

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$62.06

EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 28 of 86 **PUBLISH DATE: 7/1/2015**

Engineer - Steel Erection Maintenance Engineers

Derrick, Travelers, Tower, Crawler Tower and Climbing Cranes

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$59.77

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$95.63

Engineer - Steel Erection Oiler I

On a Truck Crane

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$55.95

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$89.52

Engineer - Steel Erection Oiler II

On a Crawler Crane

ffective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$42.64

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Shift Wage Rate: \$68.22

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
Leteran'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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$56.88

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Engineer - Building Work Maintenance Engineers II

On Pumps, Generators, Mixers and Heaters

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.22

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$54.08

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

Engineer - Building Work Oilers II

Oilers on Crawler Cranes, Backhoes, Trenching Machines, Gunite Machines, Compressors (three or more in Battery).

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.21

Supplemental Benefit Rate per Hour: \$34.25 Supplemental Note: \$61.60 on overtime

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 30 of 86

Overtime Description

On jobs of more than one shift, if an Employee fails to report for work through any cause over which the Employer has no control, the Employee on duty will continue to work at the rate of single time.

Overtime

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

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

Paid Holidays

New Year's Day Lincoln's Birthday President's Day Memorial Day Independence Day Labor Day Columbus Day Veteran's Day Thanksgiving Day Christmas Day

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$37.04

Supplemental Benefit Rate per Hour: \$18.60

Supplemental Note: Overtime Benefit Rate - \$25.45 per hour (time & one half) \$32.30 per hour (double time).

<u>Instrument Person</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$30.59

Supplemental Benefit Rate per Hour: \$18.60

Supplemental Note: Overtime Benefit Rate - \$25.45 per hour (time & one half) \$32.30 per hour (double time).

Rodperson

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 31 of 86

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$26.52

Supplemental Benefit Rate per Hour: \$18.60

Supplemental Note: Overtime Benefit Rate - \$25.45 per hour (time & one half) \$32.30 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
Day after Thanksgiving
Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

(Operating Engineer Local #15-D)

ENGINEER - FIELD (BUILDING CONSTRUCTION)

(Construction of Building Projects, Concrete Superstructures, etc.)

Field Engineer - BC Party Chief

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$60.77

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime Benefit Rate - \$45.28 per hour (time & one half) \$58.15 per hour (double time).

Field Engineer - BC Instrument Person

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$47.20

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime Benefit Rate - \$45.28 per hour (time & one half) \$58.15 per hour (double time).

Field Engineer - BC Rodperson

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 32 of 86

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$30.49

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime Benefit Rate - \$45.28 per hour (time & one half) \$58.15 per hour (double time).

Overtime Description

Time and one half the regular rate after a 7 hour work and time and one half the regular rate for Saturday for the first seven hours worked, Double time the regular time rate for Saturday for work performed in excess of seven hours, Double time the regular rate for Sunday and Double time the regular rate for work on a holiday.

Paid Holidays

New Year's Day
President's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

(Operating Engineer Local #15-D)

ENGINEER - FIELD (HEAVY CONSTRUCTION)

(Construction of Roads, Tunnels, Bridges, Sewers, Building Foundations, Engineering Structures etc.)

Field Engineer - HC Party Chief

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$66.43

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime benefit rate - \$45.28 per hour (time & one half), \$58.15 per hour (double time).

<u>Field Engineer - HC Instrument Person</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$48.82

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime benefit rate - \$45.28 per hour (time & one half), \$58.15 per hour (double time).

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 33 of 86

Field Engineer - HC Rodperson

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.99

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime benefit rate - \$45.28 per hour (time & one half), \$58.15 per hour (double time).

Overtime Description

Time and one half the regular rate after an 8 hour day, Time and one half the regular rate for Saturday for the first eight hours worked, Double time the regular time rate for Saturday for work performed in excess of eight hours, Double time the regular rate for Sunday and Double time the regular rate for work on a holiday.

Paid Holidays

New Year's Day
Lincoln's Birthday
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day

Christmas Day
Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

(Operating Engineer Local #15-D)

ENGINEER - FIELD (STEEL ERECTION)

Field Engineer - Steel Erection Party Chief

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$62.26

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime benefit rate - \$45.28 per hour (time & one half), \$58.15 per hour (double time).

<u>Field Engineer - Steel Erection Instrument Person</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$48.57

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime benefit rate - \$45.28 per hour (time & one half), \$58.15 per hour (double time).

Field Engineer - Steel Erection Rodperson

Effective Period: 7/1/2015 - 6/30/2016

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 34 of 86

Vage Rate per Hour: \$32.61

Supplemental Benefit Rate per Hour: \$32.40

Supplemental Note: Overtime benefit rate - \$45.28 per hour (time & one half), \$58.15 per hour (double time).

Overtime Description

Time and one half the regular rate for Saturday for the first eight hours worked.

Double time the regular rate for Saturday for work performed in excess of eight hours.

Overtime

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

Double time the regular rate for Sunday.

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

Paid Holidays

New Year's Day
Lincoln's Birthday
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

Employees must work at least one day in the payroll week in which the holiday occurs to receive the paid holiday

Operating Engineer Local #15-D)

ENGINEER - OPERATING

Operating Engineer - Road & Heavy Construction I

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

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$71.75

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$114.80

Operating Engineer - Road & Heavy Construction II

Backhoes, Power Shovels, Hydraulic Clam Shells, Steel Erection, Moles and machines of a similar nature.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$74.29

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 35 of 86

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$118.86

Operating Engineer - Road & Heavy Construction III

Mine Hoists, Cranes, etc. (Used as Mine Hoists)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$76.67

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$122.67

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$74.84

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$119.74

Operating Engineer - Road & Heavy Construction V

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

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$73.36

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$117.38

Operating Engineer - Road & Heavy Construction VI

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

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$69.69

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$111.50

Operating Engineer - Road & Heavy Construction VII

Barrier Movers, Barrier Transport and Machines of a Similar Nature.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 36 of 86

fective Period: 7/1/2015 - 6/30/2016

₩age Rate per Hour: \$56.25

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$90.00

Operating Engineer - Road & Heavy Construction VIII

Utility Compressors

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$43,63

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$55.03

Operating Engineer - Road & Heavy Construction IX

Horizontal Boring Rig

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$66.26

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$106.02

Operating Engineer - Road & Heavy Construction X

Elevators (manually operated as personnel hoist).

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$60.89

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$97.42

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$47.28

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$75.65

Operating Engineer - Road & Heavy Construction XII

Drills and Machines of a similar nature.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 37 of 86

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$70.42

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$112.67

Operating Engineer - Road & Heavy Construction XIII

Concrete Pumps, Concrete Plant, Stone Crushers, Double Drum Hoist, Power Houses (other than above).

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$68.19

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$109.10

Operating Engineer - Road & Heavy Construction XIV

Concrete Mixer

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$65.20

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$104.32

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$43.91

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$70.26

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$62.25

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$99.60

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 38 of 86

perating Engineer - Road & Heavy Construction XVII

On-Site concrete plant engineer, On-site Asphalt Plant Engineer, and Vibratory console.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$62.74

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$100.38

Operating Engineer - Road & Heavy Construction XVIII

Tower Crane

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$90.09

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$144.14

Operating Engineer - Paving I

Asphalt Spreaders, Autogrades (C.M.I.), Roto/Mil

Effective Period: 7/1/2015 - 6/30/2016

age Rate per Hour: \$69.69

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$111.50

Operating Engineer - Paving II

Asphalt Roller

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$67.87

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$108.59

Operating Engineer - Paving III

Asphalt Plants

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$57.40

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$91.84

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 39 of 86

Operating Engineer - Concrete I

Cranes

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$74.51

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Concrete II

Compressors

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.25

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Concrete III

Micro-traps (Negative Air Machines), Vac-All Remediation System.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$59.51

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Steel Erection I

Three Drum Derricks

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$77.40

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$123.84

Operating Engineer - Steel Erection II

Cranes, 2 Drum Derricks, Hydraulic Cranes, Fork Lifts and Boom Trucks.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$74.37

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$118.99

Operating Engineer - Steel Erection III

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 40 of 86

ompressors, Welding Machines.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.09

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$70.54

Operating Engineer - Steel Erection IV

Compressors - Not Combined with Welding Machine.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$41.98

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Shift Wage Rate: \$67.17

Operating Engineer - Building Work I

Forklifts, Plaster (Platform machine), Plaster Bucket, Concrete Pump and all other equipment used for hoisting material.

Effective Period: 7/1/2015 - 6/30/2016

Vage Rate per Hour: \$61.27

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Building Work II

Compressors, Welding Machines (Cutting Concrete-Tank Work), Paint Spraying, Sandblasting, Pumps (with the exclusion of Concrete Pumps), All Engines irrespective of Power (Power-Pac) used to drive Auxiliary Equipment, Air, Hydraulic, Jacking System, etc.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$45.85

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Building Work III

Double Drum

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$69.76

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Building Work IV

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 41 of 86

Stone Derrick, Cranes, Hydraulic Cranes Boom Trucks.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$73.91

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Building Work V

Dismantling and Erection of Cranes, Relief Engineer.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$68.09

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Building Work VI

4 Pole Hoist, Single Drum Hoists.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$67.37

Supplemental Benefit Rate per Hour: \$30.40 Supplemental Note: \$55.10 overtime hours

Operating Engineer - Building Work VII

Rack & Pinjon and House Cars

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$53.54

Supplemental Benefit Rate per Hour: \$30.40

Supplemental Note: \$55.10 overtime hours

For New House Car projects Wage Rate per Hour \$42.70

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

EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 42 of 86 **PUBLISH DATE: 7/1/2015**

incoln's Birthday
resident'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 notuding site preparation and synthetic turf not including site preparation)

Floor Coverer

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$50.50

Supplemental Benefit Rate per Hour: \$45.88

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

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Day after Thanksgiving

Shristmas Day

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 43 of 86

Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M. 1/2 day on New Year's Eve if work is performed in the A.M.

Shift Rates

Two shifts may be utilized with the first shift working 8:00 A.M. to the end of the shift at the straight time of pay. The second shift will receive one hour at double time rate for the last hour of the shift. (eight for seven, nine for eight).

(Carpenters District Council)

GLAZIER

(New Construction, Remodeling, and Alteration)

Glazier

Effective Period: 7/1/2015 - 10/31/2015

Wage Rate per Hour: \$43.35

Supplemental Benefit Rate per Hour: \$36.59

Supplemental Note: Supplemental Benefit Overtime Rate: \$45.34

Effective Period: 11/1/2015 - 6/30/2016

Wage Rate per Hour: \$43.95

Supplemental Benefit Rate per Hour: \$36.84

Supplemental Note: Supplemental Benefit Overtime Rate: \$45.59

Overtime Description

An optional 8th hour can be worked at straight time rate. If 9th hour is worked, then both hours or more (8th & 9th or more) will be at the double time rate of pay.

Overtime

Double time the regular rate after a 7 hour day. Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

Overtime Holidays

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Day after Thanksgiving

hristmas 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

late 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.68

Supplemental Benefit Rate per Hour: \$19.54

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$57.38

Supplemental Benefit Rate per Hour: \$37.41

Overtime Description

Double time shall be paid for supplemental benefits during overtime work.

8th hour paid at time and one half.

Overtime

Double time the regular rate after an 8 hour day. Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

Overtime Holidays

Double time the regular rate for work on the following holiday(s). **New Year's Day** Martin Luther King Jr. Day **President's Day Memorial Day** Independence Day **Columbus Day Veteran's Day** Thanksgiving Day Day after Thanksgiving **Christmas Day**

Triple time the regular rate for work on the following holiday(s). **Labor Day**

Paid Holidays

None

Shift Rates

The first shift shall work seven hours at the regular straight time rate. The second and third shift shall work seven hours the regular straight time hourly rate plus a fourteen percent wage and benefit premium. Off hour work in occupied or retail buildings may be worked on weekdays with an increment of \$1.00 per hour and eight hours pay for seven (7) hours worked. Double time will apply for over seven (7) hours worked on weekdays, weekends or holidays.

(Local #12)

HOUSE WRECKER (TOTAL DEMOLITION)

House Wrecker - Tier A

On all work sites the first, second, eleventh and every third House Wrecker thereafter will be Tier A House Wreckers (i.e. 1st, 2nd, 11th, 14th etc). Other House Wreckers may be Tier B House Wreckers.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$35.52

Supplemental Benefit Rate per Hour: \$26.86

House Wrecker - Tier B

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$24.90

Supplemental Benefit Rate per Hour: \$19.88

Overtime

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

Overtime Holidays

Double time the regular rate for work on the following holiday(s). New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

Paid Holidays

None

(Mason Tenders District Council)

IRON WORKER - ORNAMENTAL

<u> Iron Worker - Ornamental</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$43.20

Supplemental Benefit Rate per Hour: \$47.67

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

effect.

Overtime Description

Time and one half the regular rate after a 7 hour day for a maximum of two hours on any regular work day (the 8th and 9th hour) and double time shall be paid for all work on a regular work day thereafter, time and one half the regular rate for Saturday for the first seven hours of work and double time shall be paid for all work on a Saturday thereafter.

Overtime

Double time the regular rate for Sunday.

Overtime Holidays

Double time the regular rate for work on the following holiday(s).
New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Christmas Day

Paid Holidays

None

Shift Rates

For off shift work - 8 hours pay for 7 hours of work. When two or three shifts are employed on a job, Monday through Friday, the workday for each shift shall be seven hours and paid for ten and one-half hours at the single time rate. When two or three shifts are worked on Saturday, Sunday or holidays, each shift shall be seven hours and paid fifteen and three-quarters hours.

(Local #580)

IRON WORKER - STRUCTURAL

Iron Worker - Structural

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$48.75

Supplemental Benefit Rate per Hour: \$67.34

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

effect.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 48 of 86

vertime Description

wonday 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

londay 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.50

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 49 of 86

Supplemental Benefit Rate per Hour: \$36.53

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

Christmas Day

Paid Holidays

Labor Day Thanksgiving Day

Shift Rates

When two shifts are employed, single time rate shall be paid for each shift. When three shifts are found necessary, each shift shall work seven and one half hours (7 $\frac{1}{2}$), but shall be paid for eight (8) hours of labor, and be permitted one half hour for lunch.

(Local #731)

LANDSCAPING

(Landscaping tasks, as well as tree pruning, tree removing, spraying and maintenance in connection with the planting of street trees and the planting of trees in city parks but not when such activities are performed as part of, or in connection with, other construction or reconstruction projects.)

Landscaper (Above 6 years experience)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$27.00

Supplemental Benefit Rate per Hour: \$14.55

Landscaper (3 - 6 years experience)

Effective Period: 7/1/2015 - 6/30/2016

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 50 of 86

age Rate per Hour: \$26.00

Supplemental Benefit Rate per Hour: \$14.55

Landscaper (up to 3 years experience)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.50

Supplemental Benefit Rate per Hour: \$14.55

<u>Groundperson</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.50

Supplemental Benefit Rate per Hour: \$14.55

Tree Remover / Pruner

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$32.00

Supplemental Benefit Rate per Hour: \$14.55

Landscaper Sprayer (Pesticide Applicator)

Effective Period: 7/1/2015 - 6/30/2016

age Rate per Hour: \$22.00

Supplemental Benefit Rate per Hour: \$14.55

Watering - Plant Maintainer

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$17.00

Supplemental Benefit Rate per Hour: \$14.55

Overtime Description

For all overtime work performed, supplemental benefits shall include an additional seventy-five (\$0.75) cents per hour.

Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Time and one half the regular rate for work on a holiday plus the day's pay.

Paid Holidays

New Year's Day Memorial Day Independence Day Labor Day Thanksgiving Day

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 51 of 86

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: 7/1/2015 - 12/31/2015

Wage Rate per Hour: \$51.53

Supplemental Benefit Rate per Hour: \$35.73

Effective Period: 1/1/2016 - 6/30/2016

Wage Rate per Hour: \$51.89

Supplemental Benefit Rate per Hour: \$36.62

Marble Finisher

Effective Period: 7/1/2015 - 12/31/2015

Wage Rate per Hour: \$40.53

Supplemental Benefit Rate per Hour: \$34.52

Effective Period: 1/1/2016 - 6/30/2016

Wage Rate per Hour: \$40.80

Supplemental Benefit Rate per Hour: \$35.15

Marble Polisher

Effective Period: 7/1/2015 - 12/31/2015

Wage Rate per Hour: \$36.65

Supplemental Benefit Rate per Hour: \$26.63

Effective Period: 1/1/2016 - 6/30/2016

Wage Rate per Hour: \$37.02

Supplemental Benefit Rate per Hour: \$27.01

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 52 of 86

vertime

ime and one half the regular rate for Saturday. Double time the regular rate for Sunday.

Overtime Holidays

Double time the regular rate for work on the following holiday(s). **New Year's Day President's Day Good Friday Memorial Day Independence Day Labor Day** Columbus Day Veteran's Day Thanksgiving Day Day after Thanksgiving **Christmas Day**

Paid Holidays

None

(Local #7)

MASON TENDER

Mason Tender

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$36.67

Supplemental Benefit Rate per Hour: \$28.02

Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

Overtime Holidays

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

hristmas Day

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 53 of 86

Paid Holidays

None

Shift Rates

The Employer may work two (2) shifts with the first shift at the straight time wage rate and the second shift receiving eight (8) hours paid for seven (7) hours work at the straight time wage rate.

(Local #79)

MASON TENDER (INTERIOR DEMOLITION WORKER)

(The erection, building, moving, servicing and dismantling of enclosures, scaffolding, barricades, protection and site safety structures etc., on Interior Demolition jobs.)

Mason Tender Tier A

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$35.46

Supplemental Benefit Rate per Hour: \$22.13

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$24.65

Supplemental Benefit Rate per Hour: \$16.45

Overtime

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

Overtime Holidays

Double time the regular rate for work on the following holiday(s). New Year's Day President's Day Memorial Day Independence Day

abor Day hanksgiving Day Christmas Day

Paid Holidays

None

(Local #79)

METALLIC LATHER

Metallic Lather

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$43.63

Supplemental Benefit Rate per Hour: \$41.57

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 et 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

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

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 55 of 86

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$49.50

Supplemental Benefit Rate per Hour: \$52.01

Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

Overtime Holidays

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

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Christmas Day

Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M. 1/2 day on New Year's Eve if work is performed in the A.M.

Shift Rates

The first shift shall receive the straight time rate of pay. The second shift receives the straight time rate of pay plus fifteen (15%) per cent. Members of the second shift shall be allowed one half hour to eat, with this time being included in the hours of the workday established. There must be a first shift to work a second shift. All additional hours worked shall be paid at the time and one-half rate of pay plus fifteen (15%) per cent for weekday hours.

(Local #740)

MOSAIC MECHANIC

Mosaic Mechanic - Mosaic & Terrazzo Mechanic

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$45.91

Supplemental Benefit Rate per Hour: \$38.15

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$48.92 per hour.

Mosaic Mechanic - Mosaic & Terrazzo Finisher

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.30

Supplemental Benefit Rate per Hour: \$38.14

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$48.91

per hour.

Mosaic Mechanic - Machine Operator Grinder

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.30

upplemental Benefit Rate per Hour: \$38.14

Supplemental Note: Supplemental benefits for overtime to be paid at the rate of \$48.91 per hour.

Overtime

Time and one half the regular rate after a 7 hour day. Time and one half the regular rate for Saturday. Double time the regular rate for Sunday.

Overtime Holidays

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$41.00

Supplemental Benefit Rate per Hour: \$26.37 Supplemental Note: \$31.00 on overtime

Spray & Scaffold / Decorative / Sandblast

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.00

Supplemental Benefit Rate per Hour: \$26.37 Supplemental Note: \$31.00 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: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 58 of 86 **PUBLISH DATE: 7/1/2015**

Iffective Period: 7/1/2015 - 6/30/2016

Mage Rate per Hour: \$40.30

Supplemental Benefit Rate per Hour: \$7.22

Journeyperson

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$37.48

Supplemental Benefit Rate per Hour: \$7.22

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
Martin Luther King Jr. Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Two (2) additional holidays as floating holidays

(Local #8A-28A)

PAINTER - STRIPER

Striper (paint)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$35.00

Supplemental Benefit Rate per Hour: \$12.27

Supplemental Note: Overtime Supplemental Benefit rate - \$8.02 New Hire Rate (0-3 months) - \$0.00

Lineperson (thermoplastic)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$39.00

Supplemental Benefit Rate per Hour: \$12.27

Supplemental Note: Overtime Supplemental Benefit rate - \$8.02; New Hire Rate (0-3 months) - \$0.00

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 59 of 86

Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

Time and one half the regular rate for work on the following holiday(s).

Paid Holidays

New Year's Day
Good Friday
Memorial Day
Independence Day
Labor Day
Columbus Day
Presidential Election Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Shift Rates

Employees hired before April 1, 2003: 15% night shift premium differential for work commenced at 9:00 PM or later.

Vacation

Employees with one to two years service shall accrue vacation based on hours worked: 250 hours worked - 1 day vacation; 500 hours worked - 2 days vacation; 750 hours worked - 3 days vacation; 900 hours worked - 4 days vacation; 1,000 hours worked - 5 days vacation. Employees with two to five years service receive two weeks vacation. Employees with five to twenty years service receive three weeks vacation. Employees with twenty to twenty-five years service receive four weeks vacation. Employees with 25 or more years service receive five weeks vacation. Vacation must be taken during winter months. 2 Personal Days except employees hired after 4/1/12 who do not have 2 years of service.

(Local #917)

PAINTER - STRUCTURAL STEEL

Painters on Structural Steel

Effective Period: 7/1/2015 - 9/30/2015

Wage Rate per Hour: \$48.00

Supplemental Benefit Rate per Hour: \$34.58

Effective Period: 10/1/2015 - 6/30/2016

Wage Rate per Hour: \$49.00

Supplemental Benefit Rate per Hour: \$36.08

Painter - Power Tool

Iffective Period: 7/1/2015 - 9/30/2015

Vage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$34.58

Effective Period: 10/1/2015 - 6/30/2016

Wage Rate per Hour: \$55.00

Supplemental Benefit Rate per Hour: \$36.08

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
Christmas Day

aid Holidays

None

Shift Rates

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

(Local #806)

PAPERHANGER

Paperhanger

Effective Period: 7/1/2015 - 6/30/2016

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 61 of 86

Time and one half the regular rate for Saturday. Time and one half the regular rate for Sunday.

Overtime Holidays

Time and one half the regular rate for work on the following holiday(s).

New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Paid Holidays

None

Shift Rates

Evening shift - 4:30 P.M. to 12:00 Midnight (regular rate of pay); any work performed before 7:00 A.M. shall be at time and one half the regular base rate of pay.

(District Council of Painters #9)

PAVER AND ROADBUILDER

Paver & Roadbuilder - Formsetter

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.85

Supplemental Benefit Rate per Hour: \$36.92

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.98

Supplemental Benefit Rate per Hour: \$36.92

Production Paver & Roadbuilder - Screed Person

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 62 of 86

Production paving is asphalt paving when using a paving machine or on a project where a paving machine is additionally used)

Adjustment of paving machinery on production paving jobs.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$45.45

Supplemental Benefit Rate per Hour: \$36.92

Production Paver & Roadbuilder - Raker

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$44.85

Supplemental Benefit Rate per Hour: \$36.92

<u>Production Paver & Roadbuilder - Shoveler</u>

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$41.56

Supplemental Benefit Rate per Hour: \$36.92

Overtime Description

eteran'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 $\frac{1}{2}$) hours but will be paid for eight (8) hours since only one half (1/2) hour is allowed for meal time.

When two or more shifts are employed, single time will be paid for each shift.

Night Work - On night work, the first eight (8) hours of work will be paid for at the single time rate, except that production paving work shall be paid at 15% over the single time rate for the screed person, rakers and

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 63 of 86

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

Plasterer

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$43.43

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

Presidential Election Day

Thanksgiving Day

Christmas Day

Paid Holidays

None

Shift Rates

When it is not possible to conduct alteration work during regular work hours, in a building occupied by tenants, said work shall proceed on a shift basis: however work over seven (7) hours in any twenty four (24) hour period, the time after seven (7) hours shall be considered overtime.

The second shift shall start at a time between 3:30 p.m. and 7:00 p.m. and shall consist of seven (7) working hours and shall receive eight (8) hours of wages and benefits at the straight time rate. The workers on the second shift shall be allowed one-half ($\frac{1}{2}$) hour to eat with this time being included in the seven (7) hours of work.

PLASTERER - TENDER

Plasterer - Tender

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$36.67

Supplemental Benefit Rate per Hour: \$28.02

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

hdependence 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: 7/1/2015 - 6/30/2016

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 65 of 86

Wage Rate per Hour: \$65.27

Supplemental Benefit Rate per Hour: \$28.38

Supplemental Note: Overtime supplemental benefit rate per hour: \$56.48

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$52.24

Supplemental Benefit Rate per Hour: \$22.28

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

Shift Rates

Christmas Day

Shift work, when directly specified in public agency or authority documents where plumbing contract is \$8 million or less, will be permitted. 30% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shifts Monday to Friday. 50% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shift work performed on weekends. For shift work on holidays, double time wages and fringe benefits shall be paid.

| (Plumbers Local #1) | • | | |
|---------------------|---|--|--|
| | | | |
| | | | |

PLUMBER (MECHNICAL EQUIPMENT AND SERVICE)

(Mechanical Equipment and Service work shall include any repair and/or replacement of the present plumbing system.)

Plumber

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$39.27

Supplemental Benefit Rate per Hour: \$13.34

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

Thanksgiving Day

Day after Thanksgiving

hristmas Day

Paid Holidays

None

(Plumbers Local # 1)

PLUMBER (RESIDENTIAL RATES FOR 1, 2 AND 3 FAMILY HOME CONSTRUCTION)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$45.19

Supplemental Benefit Rate per Hour: \$20.62

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

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 67 of 86

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

New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Paid Holidays

None

Shift Rates

30% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shifts Monday to Friday. 50% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shift work performed on weekends. For shift work on holidays, double time wages and fringe benefits shall be paid.

(Plumbers Local #1)

PLUMBER: PUMP & TANK

Oil Trades (Installation and Maintenance)

Plumber - Pump & Tank

Effective Period: 7/1/2015 - 6/30/2016

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

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 68 of 86

ay after Thanksgiving hristmas Day

Paid Holidays

None

Shift Rates

All work outside the regular workday (8:00 A.M. to 3:30 P.M.) is to be paid at time and one half the regular hourly rate

(Plumbers Local #1)

POINTER - WATERPROOFER, CAULKER MECHANIC (EXTERIOR BUILDING RENOVATION)

Pointer - Waterproofer, Caulker Mechanic

Effective Period: 7/1/2015 - 6/30/2016

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 69 of 86

(Bricklayer District Council)

ROOFER

Roofer

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.70

Supplemental Benefit Rate per Hour: \$30.17

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 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: 7/1/2015 - 6/30/2016

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 70 of 86

Vage 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 e paid at time and one half the regular rate.

(Bricklayer District Council)

SHEET METAL WORKER

Sheet Metal Worker

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$46.96

Supplemental Benefit Rate per Hour: \$45.19

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$37.57

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 71 of 86

Supplemental Benefit Rate per Hour: \$45.19

Sheet Metal Worker - Duct Cleaner

Effective Period: 7/1/2015 - 6/30/2016

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

Paid Holidays

None

Shift Rates

Work that can only be performed outside regular working hours (seven hours of work between 7:30 A.M. and 3:30 P.M.) - First shift (work between 3:30 P.M. and 11:30 P.M.) - 10% differential above the established hourly rate. Second shift (work between 11:30 P.M. and 7:30 A.M.) - 15% differential above the established hourly rate.

For Fan Maintenance: On all full shifts of fan maintenance work the straight time hourly rate of pay will be paid for each shift, including nights, Saturdays, Sundays, and holidays.

(Local #28)

SHEET METAL WORKER - SPECIALTY (Decking & Siding)

Sheet Metal Specialty Worker

he first worker to perform this work must be paid at the rate of the Sheet Metal Worker. The second and third vorkers shall be paid the Specialty Worker Rate. The ratio of One Sheet Metal Worker, then Two Specialty Workers shall be utilized thereafter.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$42.64

Supplemental Benefit Rate per Hour: \$23.62

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

Paid Holidays

None

(Local #28)

SHIPYARD WORKER

Shipyard Mechanic - First Class

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$27.54

Supplemental Benefit Rate per Hour: \$3.01

Shipyard Mechanic - Second Class

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$20.22

Supplemental Benefit Rate per Hour: \$2.73

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 73 of 86

Shipyard Laborer - First Class

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$20.90

Supplemental Benefit Rate per Hour: \$2.75

Shipyard Laborer - Second Class

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$13.86

Supplemental Benefit Rate per Hour: \$2.48

Shipyard Dockhand - First Class

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.61

Supplemental Benefit Rate per Hour: \$2.86

Shipyard Dockhand - Second Class

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$15.94

Supplemental Benefit Rate per Hour: \$2.56

Overtime Description

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

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$45.60

Supplemental Benefit Rate per Hour: \$46.28

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
Flection Day
hanksgiving Day
Day after Thanksgiving
Christmas Day

Shift Rates

Time and one half the regular hourly rate is to be paid for all hours worked outside the regular workday either (7:00 A.M. through 2:30 P.M.) or (8:00 A.M. through 3:30 P.M.)

(Local #137)

STEAMFITTER

Steamfitter I

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$55.00

Supplemental Benefit Rate per Hour: \$52.79

Supplemental Note: Overtime supplemental benefit rate: \$104.84

Steamfitter -Temporary Services

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 75 of 86

The steamfitters shall not do any other work and shall not be permitted to work more than one shift in a twenty-four hour day. When steamfitters are present during the regular working day, no temporary services steamfitter will be required

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$41.80

Supplemental Benefit Rate per Hour: \$42.76

Supplemental Note: .

Overtime

Double time the regular rate after a 7 hour day. Double time the regular time rate for Saturday. Double time the regular rate for Sunday.

Overtime Holidays

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

Paid Holidays

None

Shift Rates

Work performed between 3:30 P.M. and 7:00 A.M. and on Saturdays, Sundays and Holidays shall be at double time the regular hourly rate and paid at the overtime supplemental benefit rate above.

Steamfitter II

For heating, ventilation, air conditioning and mechanical public works contracts with a dollar value not to exceed \$15,000,000 and for fire protection/sprinkler public works contracts not to exceed \$1,500,000.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$55.00

Supplemental Benefit Rate per Hour: \$52.79

Supplemental Note: Overtime supplemental benefit rate: \$104.84

Steamfitter -Temporary Services

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 76 of 86

The steamfitters shall not do any other work and shall not be permitted to work more than one shift in a twentybur hour day. When steamfitters are present during the regular working day, no temporary services steamfitter will be required.

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$41.80

Supplemental Benefit Rate per Hour: \$42.76

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

aid Holidays

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

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 77 of 86

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$39.25

Supplemental Benefit Rate per Hour: \$13.81

Refrigeration and Air Conditioner Service Person V

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$32.25

Supplemental Benefit Rate per Hour: \$12.44

Refrigeration and Air Conditioner Service Person IV

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$26.72

Supplemental Benefit Rate per Hour: \$11.30

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$22.93

Supplemental Benefit Rate per Hour: \$10.45

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$19.02

Supplemental Benefit Rate per Hour: \$9.67

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$13.91

Supplemental Benefit Rate per Hour: \$8.78

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

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 78 of 86

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

Independence Day Labor Day

Veteran's Day Thanksgiving Day Christmas Day

Double time and one half the regular rate for work on the following holiday(s). Martin Luther King Jr. Day President's Day Memorial Day Columbus Day

Paid Holidays

New Year's Day
Martin Luther King Jr. Day
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

ocal #638B)

STONE MASON - SETTER

Stone Mason - Setters

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$47.20

Supplemental Benefit Rate per Hour: \$37.15

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

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 79 of 86

Labor Day Thanksgiving Day Christmas Day

Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M.

Shift Rates

For all work outside the regular workday (8:00 A.M. to 3:30 P.M. Monday through Friday), the pay shall be straight time plus a ten percent (10%) differential.

(Bricklayers District Council)

TAPER

Drywall Taper

Effective Period: 7/1/2015 - 12/29/2015

Wage Rate per Hour: \$46.32

Supplemental Benefit Rate per Hour: \$22.66

Effective Period: 12/30/2015 - 6/30/2016

Wage Rate per Hour: \$46.82

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

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 80 of 86



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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.35

Supplemental Benefit Rate per Hour: \$13.19

Supplemental Note: The above rate applies for Manhattan, Bronx, Brooklyn, Queens. \$12.64 for Staten Island

Overtime

☑ime and one half the regular rate after a 7 hour day. ime and one half the regular rate for Saturday. ime and one half the regular rate for Sunday.

Overtime Holidays

Time and one half the regular rate for work on the following holiday(s). New Year's Day Lincoln's Birthday Washington's Birthday **Memorial Day** Independence Day **Labor Day** Columbus Day **Election Day** Veteran's Day Thanksgiving Day

Paid Holidays

Christmas Day

New Year's Day Lincoln's Birthday Washington's Birthday **Memorial Day** Independence Day **Labor Day** Columbus Day **Election Day** (eteran's Day

> **PUBLISH DATE: 7/1/2015** EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 81 of 86

Thanksgiving 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$40.03

Supplemental Benefit Rate per Hour: \$29.71

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

EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 82 of 86 **PUBLISH DATE: 7/1/2015**

| hift 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 (11/4) times the regular straight time rate of pay for the seven hours of actual off-shift work.

| (Local #7 | ١ |
|-----------|---|
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TILE LAYER - SETTER

Tile Layer - Setter

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$51.61

Supplemental Benefit Rate per Hour: \$33.46

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

ouble 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.

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|-----|-------|----|
| 1 L | .ocai | #/ |

TIMBERPERSON

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 83 of 86

Timberperson

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$45.60

Supplemental Benefit Rate per Hour: \$46.67

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

Time and one half the regular hourly rate after 40 hours in any work week.

Overtime Holidays

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

New Year's Day President's Day Memorial Day Independence Day Labor Day Columbus Dav

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$59.17

Supplemental Benefit Rate per Hour: \$49.45

Tunnel Workers (Compressed Air Rates)

Effective Period: 7/1/2015 - 6/30/2016

Page 84 of 86 **EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 PUBLISH DATE: 7/1/2015**

age Rate per Hour: \$57.12

Supplemental Benefit Rate per Hour: \$47.80

Top Nipper (Compressed Air Rates)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$56.07

Supplemental Benefit Rate per Hour: \$46.96

<u>Outside Lock Tender, Outside Gauge Tender, Muck Lock Tender (Compressed Air Rates)</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$55.06

Supplemental Benefit Rate per Hour: \$46.07

Bottom Bell & Top Bell Signal Person: Shaft Person (Compressed Air Rates)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$55.06

Supplemental Benefit Rate per Hour: \$46.07

Changehouse Attendant: Powder Watchperson (Compressed Air Rates)

ffective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$48.16

Supplemental Benefit Rate per Hour: \$43.62

Blasters (Free Air Rates)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$56.47

Supplemental Benefit Rate per Hour: \$47.47

<u>Tunnel Workers (Free Air Rates)</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$54.04

Supplemental Benefit Rate per Hour: \$45.45

All Others (Free Air Rates)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$49.93

Supplemental Benefit Rate per Hour: \$42.06

Microtunneling (Free Air Rates)

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 85 of 86

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$43.23

Supplemental Benefit Rate per Hour: \$36.36

Overtime Description

For Repair-Maintenance Work on Existing Equipment and Facilities - Time and one half the regular rate after a 7 hour day, or for Saturday, or for Sunday. Double time the regular rate for work on a holiday. For Small-Bore Micro Tunneling Machines - Time and one-half the regular rate shall be paid for all overtime.

Overtime

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

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

Paid Holidays

New Year's Day
Lincoln's Birthday
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Election Day
Veteran's Day
Thanksgiving Day
Christmas Day

(Local #147)

WELDER

TO BE PAID AT THE RATE OF THE JOURNEYPERSON IN THE TRADE PERFORMING THE WORK.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 86 of 86

OFFICE OF THE COMPTROLLER

CITY OF NEW YORK

220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

APPENDIX

Pursuant to Labor Law §220 (3-e), only apprentices who are individually registered has 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.

TABLE OF CONTENTS

| CLASSIFICATION | PAGE |
|---|-------------|
| ASBESTOS HANDLER | 3 |
| BOILERMAKER | 3 |
| BRICKLAYER | 4 |
| CARPENTER | 5 |
| CEMENT MASON | |
| CEMENT AND CONCRETE WORKER | 6 |
| DERRICKPERSON & RIGGER (STONE) | 7 |
| DOCKBUILDER/PILE DRIVER | 8 |
| ELECTRICIAN | |
| ELEVATOR CONSTRUCTOR | 10 |
| ELEVATOR REPAIR & MAINTENANCE | |
| ENGINEER | 12 |
| ENGINEER - OPERATING | |
| FLOOR COVERER | 14 |
| GLAZIER | |
| HEAT & FROST INSULATOR | |
| HOUSE WRECKER | 16 |
| IRON WORKER - ORNAMENTAL | |
| IRON WORKER - STRUCTURAL | 17 |
| LABORER (FOUNDATION, CONCRETE, EXCAVATING, STREET PIPE LAYER & COMMON) | 18 |
| MARBLE MECHANICS | 19 |
| MASON TENDER | 20 |
| METALLIC LATHER | 21 |
| MILLWRIGHT | 22 |
| PAVER AND ROADBUILDER | 22 |
| PAINTER | 23 |
| PAINTER - STRUCTURAL STEEL | |
| PLASTERER | 24 |
| PLUMBER | |
| POINTER - WATERPROOFER, CAULKER MECHANIC (EXTERIOR BUILDING RENOVATION) | 26 |
| ROOFER | 27 |
| SHEET METAL WORKER | |
| SIGN ERECTOR | 29 |
| STEAMFITTER | 30 |
| STONE MASON - SETTER | 31 |
| TAPER | 32 |
| TILE LAYER - SETTER | |
| TIMBERPERSON | 33 |

ASBESTOS HANDLER

(Ratio of Apprentice Journeyperson: 1 to 1, 1 to 3)

Asbestos Handler (First 1000 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 78% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.95

Asbestos Handler (Second 1000 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.95

Asbestos Handler (Third 1000 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 83% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.95

Asbestos Handler (Fourth 1000 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 89% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$15.95

(Local #78)

BOILERMAKER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

Boilermaker (First Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$30.00

Boilermaker (Second Year: 1st Six Months)

Effective Period: 7/1/2015 - 6/30/2016

₩age Rate Per Hour: 70% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$31.66

Boilermaker (Second Year: 2nd Six Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$33.32

Boilermaker (Third Year: 1st Six Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$35.00

Boilermaker (Third Year: 2nd Six Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 85% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$36.67

Boilermaker (Fourth Year: 1st Six Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 90% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$38.34

Boilermaker (Fourth Year: 2nd Six Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 95% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$40.01

(Local #5)

BRICKLAYER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

Bricklayer (First 750 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$17.10

Bricklayer (Second 750 Hours)

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 4 of 34

ffective Period: 7/1/2015 - 6/30/2016

Vage Rate Per Hour: 60% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$17.10

Bricklayer (Third 750 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 70% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$17.10

Bricklayer (Fourth 750 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$17.10

Bricklayer (Fifth 750 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 90% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$17.10

Bricklayer (Sixth 750 Hours)

Effective Period: 7/1/2015 - 6/30/2016

Vage Rate Per Hour: 95% of Journeyperson's rate upplemental 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: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 40% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.14

Carpenter (Second Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.14

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 5 of 34

Carpenter (Third Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.14

Carpenter (Fourth Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.14

(Carpenters District Council)

CEMENT MASON

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

Cement Mason (First Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's Rate

Cement Mason (Second Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's Rate

Cement Mason (Third Year)

Effective Period: 7/1/2015 - 6/30/2016

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 (First 1333 hours)

Iffective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$18.84

Cement & Concrete Worker (Second 1333 hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$24.65

Cement & Concrete Worker (Last 1334 hours)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$25.47

(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: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

Derrickperson & Rigger (stone) - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 7 of 34

(Local #197)

DOCKBUILDER/PILE DRIVER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

Dockbuilder/Pile Driver (First Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 40% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.52

Dockbuilder/Pile Driver (Second Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.52

Dockbuilder/Pile Driver (Third Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.52

Dockbuilder/Pile Driver (Fourth Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate Supplemental Benefit Rate Per Hour: \$31.52

(Carpenters District Council)

ELECTRICIAN

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

Electrician (First Term: 0-6 Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$13.00

upplemental Benefit Rate per Hour: \$11.61 overtime Supplemental Rate Per Hour: \$12.47

Electrician (First Term: 7-12 Months)

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$16.00

Supplemental Benefit Rate per Hour: \$13.14
Overtime Supplemental Rate Per Hour: \$14.19

<u> Electrician (Third Term: 0-6 Months)</u>

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$21.00

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 9 of 34

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.00

Supplemental Benefit Rate per Hour: \$18.56
Overtime Supplemental Rate Per Hour: \$20.00

Electrician (Fifth Term: 13-18 Months - Hired on or after 5/10/07)

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 3/16/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$26.94

Effective Period: 3/17/2016 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$28.41

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 10 of 34

levator (Constructor) - Second Year

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$27.35

Effective Period: 3/17/2016 - 6/30/2016

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$28.84

Elevator (Constructor) - Third Year

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$28.17

Effective Period: 3/17/2016 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$29.69

Elevator (Constructor) - Fourth Year

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$29.00

ffective Period: 3/17/2016 - 6/30/2016

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.54

(Local #1)

ELEVATOR REPAIR & MAINTENANCE

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)

Elevator Service/Modernization Mechanic (First Year)

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Per Hour: \$26.87

Effective Period: 3/17/2016 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.34

Elevator Service/Modernization Mechanic (Second Year)

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 11 of 34

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Benefit Per Hour: \$27.27

Effective Period: 3/17/2016 - 6/30/2016

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.76

Elevator Service/Modernization Mechanic (Third Year)

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.08

Effective Period: 3/17/2016 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Per Hour: \$29.60

Elevator Service/Modernization Mechanic (Fourth Year)

Effective Period: 7/1/2015 - 3/16/2016

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.89

Effective Period: 3/17/2016 - 6/30/2016

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Per Hour: \$30.43

(Local #1)

ENGINEER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 5)

Engineer - First Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.68

Supplemental Benefit Rate per Hour: \$22.55

Engineer - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$29.60

Supplemental Benefit Rate per Hour: \$22.55

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 12 of 34

Engineer - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$32.56

Supplemental Benefit Rate per Hour: \$22.55

Engineer - Fourth Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$35.52

Supplemental Benefit Rate per Hour: \$22.55

(Local #15)

ENGINEER - OPERATING

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 5)

Operating Engineer - First Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour 40% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$20.15

Operating Engineer - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$20.15

Operating Engineer - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 60% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$20.15

(Local #14)

FLOOR COVERER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

Floor Coverer (First Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.14

Floor Coverer (Second Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.14

Floor Coverer (Third Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.14

Floor Coverer (Fourth Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.14

(Carpenters District Council)

GLAZIER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

Glazier (First Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$13.64

Effective 11/1/2015 - Supplemental Rate Per Hour: \$13.79

Glazier (Second Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 14 of 34

Supplemental Rate Per Hour: \$22.97

ffective 11/1/2015 - Supplemental Rate Per Hour: \$23.13

Glazier (Third Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.87

Effective 11/1/2015 - Supplemental Rate Per Hour: \$26.03

Glazier (Fourth Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.04

Effective 11/1/2015 - Supplemental Rate Per Hour: \$31.29

(Local #1281)

HEAT & FROST INSULATOR

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

Heat & Frost Insulator (First Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

Heat & Frost Insulator (Second Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

Heat & Frost Insulator (Third Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 70% of Journeyperson's rate

Heat & Frost Insulator (Fourth Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

(Local #12)

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 15 of 34

HOUSE WRECKER (TOTAL DEMOLITION)

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

House Wrecker - First Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$21.17

Supplemental Benefit Rate per Hour: \$17.33

House Wrecker - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$22.32

Supplemental Benefit Rate per Hour: \$17.33

House Wrecker - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.97

Supplemental Benefit Rate per Hour: \$17.33

House Wrecker - Fourth Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$26.53

Supplemental Benefit Rate per Hour: \$17.33

(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: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$36.50

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 16 of 34

ron Worker (Ornamental) - 11 -16 Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$37.62

Iron Worker (Ornamental) - 17 - 22 Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$38.73

Iron Worker (Ornamental) - 23 - 28 Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$40.97

Iron Worker (Ornamental) - 29 - 36 Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$43.20

Local #580)

IRON WORKER - STRUCTURAL

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

Iron Worker (Structural) - 1st Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$25.48

Supplemental Benefit Rate per Hour: \$46.83

<u>Iron Worker (Structural) - 7- 18 Months</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$26.08

Supplemental Benefit Rate per Hour: \$46.83

Iron Worker (Structural) - 19 - 36 months

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 17 of 34

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$26.68

Supplemental Benefit Rate per Hour: \$46.83

(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: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$36.53

<u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Second 1000 hours</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$36.53

<u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) -</u> Third 1000 hours

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$36.53

<u>Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) -</u> Fourth 1000 hours

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Rate Per Hour: \$36.53

(Local #731)

MARBLE MECHANICS

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

Cutters & Setters - First 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

NO BENEFITS PAID DURING THE FIRST TWO MONTHS (PROBATIONARY PERIOD)

Cutters & Setters - Second 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 55% of Journeyperson's rate

Cutters & Setters - Third 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 65% of Journeyperson's rate

Cutters & Setters - Fourth 750 Hours

ffective Period: 7/1/2015 - 6/30/2016

Vage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

Cutters & Setters - Fifth 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 85% of Journeyperson's rate

Cutters & Setters - Sixth 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 95% of Journeyperson's rate

Polishers & Finishers - First 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 19 of 34

Polishers & Finishers - Third 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

Polishers & Finishers - Fourth 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$21.39

Supplemental Benefit Rate per Hour: \$18.44

Mason Tender - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$22.54

Supplemental Benefit Rate per Hour: \$18.44

Mason Tender - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$24.29

Supplemental Benefit Rate per Hour: \$18.49

Mason Tender - Fourth Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$26.95

Supplemental Benefit Rate per Hour: \$18.49

(Local #79)

METALLIC LATHER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

Metallic Lather (First Year -Called Prior to 6/29/11)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$29.41

Supplemental Benefit Rate per Hour: \$22.89

Metallic Lather (Second Year - Called Prior to 6/29/11)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$34.01

Supplemental Benefit Rate per Hour: \$24.54

Metallic Lather (Third Year - Called Prior to 6/29/11)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$39.07

Supplemental Benefit Rate per Hour: \$25.69

Metallic Lather (First Year -Called On Or After 6/29/11)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.01

Supplemental Benefit Rate per Hour: \$17.95

Metallic Lather (Second Year - Called On Or After 6/29/11)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$28.11

Supplemental Benefit Rate per Hour: \$17.95

Metallic Lather (Third Year - Called On Or After 6/29/11)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$33.21

Supplemental Benefit Rate per Hour: \$17.95

(Local #46)

MILLWRIGHT

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

Millwright (First Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$27.23

Supplemental Benefit Rate per Hour: \$34.06

Millwright (Second Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$32.18

Supplemental Benefit Rate per Hour: \$37.62

Millwright (Third Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$37.13

Supplemental Benefit Rate per Hour: \$41.83

Millwright (Fourth Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$47.03

Supplemental Benefit Rate per Hour: \$48.31

(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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$27.05

Supplemental Benefit Rate per Hour: \$17.12

Paver and Roadbuilder - Second Year (Minimum 1000 hours)

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 22 of 34

Effective Period: 7/1/2015 - 6/30/2016

Vage Rate per Hour: \$28.69

Supplemental Benefit Rate per Hour: \$17.12

(Local #1010)

PAINTER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

Painter - Brush & Roller - First Year

Effective Period: 7/1/2015 - 10/31/2015

Wage Rate per Hour: \$15.80

Supplemental Benefit Rate per Hour: \$11.88

Effective Period: 11/1/2015 - 6/30/2016

Wage Rate per Hour: \$16.40

Supplemental Benefit Rate per Hour: \$12.13

<u> Painter - Brush & Roller - Second Year</u>

Effective Period: 7/1/2015 - 10/31/2015

Wage Rate per Hour: \$19.75

Supplemental Benefit Rate per Hour: \$15.73

Effective Period: 11/1/2015 - 6/30/2016

Wage Rate per Hour: \$20.50

Supplemental Benefit Rate per Hour: \$15.98

Painter - Brush & Roller - Third Year

Effective Period: 7/1/2015 - 10/31/2015

Wage Rate per Hour: \$23.70

Supplemental Benefit Rate per Hour: \$18.64

Effective Period: 11/1/2015 - 6/30/2016

Wage Rate per Hour: \$24.60

Supplemental Benefit Rate per Hour: \$18.89

Painter - Brush & Roller - Fourth Year

Effective Period: 7/1/2015 - 10/31/2015

Wage Rate per Hour: \$31.60

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 23 of 34

Supplemental Benefit Rate per Hour: \$24.02

Effective Period: 11/1/2015 - 6/30/2016

Wage Rate per Hour: \$32.80

Supplemental Benefit Rate per Hour: \$24.27

(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: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

Painters - Structural Steel (Second Year)

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

Painters - Structural Steel (Third Year)

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$15.76

Plasterer - First Year: 2nd Six Months

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 24 of 34

Iffective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$16.24

Plasterer - Second Year: 1st Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$18.21

Plasterer - Second Year: 2nd Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$19.29

Plasterer - Third Year: 1st Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$21.46

Plasterer - Third Year: 2nd Six Months

Effective Period: 7/1/2015 - 6/30/2016

Vage Rate Per Hour: 75% of Journeyperson's rate

Supplemental 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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$0.71

Plumber - First Year: 2nd Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$14.00

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 25 of 34

Supplemental Benefit Rate per Hour: \$2.96

Plumber - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$23.87

Supplemental Benefit Rate per Hour: \$12.76

Plumber - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$25.97

Supplemental Benefit Rate per Hour: \$12.76

Plumber - Fourth Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$28.82

Supplemental Benefit Rate per Hour: \$12.76

Plumber - Fifth Year: 1st Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$30.22

Supplemental Benefit Rate per Hour: \$12.76

Plumber - Fifth Year: 2nd Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$42.29

Supplemental Benefit Rate per Hour: \$12.76

(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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$25.01

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 26 of 34

upplemental Benefit Rate per Hour: \$4.75

Pointer - Waterproofer, Caulker Mechanic - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$27.25

Supplemental Benefit Rate per Hour: \$9.70

Pointer - Waterproofer, Caulker Mechanic - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$32.24

Supplemental Benefit Rate per Hour: \$12.45

Pointer - Waterproofer, Caulker Mechanic - Fourth Year

Effective Period: 7/1/2015 - 6/30/2016

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)

Roofer - First Year

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 35% of Journeyperson's Rate

Roofer - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's Rate

Roofer - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's Rate

Roofer - Fourth Year

Effective Period: 7/1/2015 - 6/30/2016

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 27 of 34

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: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 25% of Journeyperson's rate

Supplemental Rate Per Hour: \$6.24

Sheet Metal Worker (7-18 Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 35% of Journeyperson's rate

Supplemental Rate Per Hour: \$16.71

Sheet Metal Worker (19-30 Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$23.00

Sheet Metal Worker (31-36 Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$27.02

Sheet Metal Worker (37-42 Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$29.06

<u>Sheet Metal Worker (43-48 Months)</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$33.10

Sheet Metal Worker (49-54 Months)

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 28 of 34

ffective Period: 7/1/2015 - 6/30/2016

age Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$35.12

Sheet Metal Worker (55-60 Months)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$37.15

(Local #28)

SIGN ERECTOR

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

Sign Erector - First Year: 1st Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 35% of Journeyperson's rate

Supplemental Rate Per Hour: \$13.18

<u> Sign Erector - First Year: 2nd Six Months</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$14.95

Sign Erector - Second Year: 1st Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$16.74

Sign Erector - Second Year: 2nd Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$18.52

Sign Erector - Third Year: 1st Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$24.94

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 29 of 34

Sign Erector - Third Year: 2nd Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$26.87

<u> Sign Erector - Fourth Year: 1st Six Months</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$29.47

Sign Erector - Fourth Year: 2nd Six Months

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.46

Sign Erector - Fifth Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$33.43

Sign Erector - Sixth Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$35.41

(Local #137)

STEAMFITTER

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

<u> Steamfitter - First Year</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate and Supplemental Per Hour: 40% of Journeyperson's rate

Steamfitter - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate and Supplemental Rate Per Hour: 50% of Journeyperson's rate.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 30 of 34

Steamfitter - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate and Supplemental Rate per Hour: 65% of Journeyperson's rate.

Steamfitter - Fourth Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate and Supplemental Rate Per Hour: 80% of Journeyperson's rate.

Steamfitter - Fifth Year

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

Stone Mason - Setters - Second 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

Stone Mason - Setters - Third 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

Stone Mason - Setters - Fifth 750 Hours

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 31 of 34

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

Drywall Taper - Second Year

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

Drywall Taper - Third Year

Effective Period: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016

Page 32 of 34

Vage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

Tile Layer - Setter - Second 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 55% of Journeyperson's rate

<u>Tile Layer - Setter - Third 750 Hours</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 65% of Journeyperson's rate

Tile Layer - Setter - Fourth 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

Tile Layer - Setter - Fifth 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

Wage and Supplemental Rate Per Hour: 85% of Journeyperson's rate

Tile Layer - Setter - Sixth 750 Hours

Effective Period: 7/1/2015 - 6/30/2016

age and Supplemental Rate Per Hour: 95% of Journeyperson's rate

(Local #7)

TIMBERPERSON

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

Timberperson - First Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.54

<u>Timberperson - Second Year</u>

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.54

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 33 of 34

Timberperson - Third Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.54

Timberperson - Fourth Year

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$31.54

(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, ead 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 1st of each succeeding year and on our web site www.comptroller.nyc.gov.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 1 of 8

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 not 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**

Page 2 of 8

TABLE OF CONTENTS

| CLASSIFICATION | PAGE |
|---|-------------|
| BUILDING CLEANER AND MAINTAINER (OFFICE) | 4 |
| BUILDING CLEANER AND MAINTAINER (RESIDENTIAL) | 4 |
| CLEANER (PARKING GARAGE) | 4 |
| DAY CARE SERVICES | 4 |
| FOOD SERVICE EMPLOYEES | 4 |
| GARDENER | 5 |
| HEAD START SERVICES | 5 |
| HOMECARE SERVICES | 6 |
| SECURITY GUARD (ARMED) | 6 |
| SECURITY GUARD (UNARMED) | 6 |
| SERVICES TO PERSONS WITH CEREBRAL PALSY | 7 |
| TEMPORARY OFFICE SERVICES | 7 |
| WINDOW CLEANER | 8 |

BUILDING CLEANER AND MAINTAINER (OFFICE)

| For the above building ser | vice classification, see the Labor Law Section 230 Schedule. |
|---|--|
| | |
| BUILDING CLEA | NER AND MAINTAINER (RESIDENTIAL) |
| For the above building ser | vice classification, see the Labor Law Section 230 Schedule. |
| · | |
| CLEANER (PARI | KING GARAGE) |
| For the above building ser | vice classification, see the Labor Law Section 230 Schedule. |
| | |
| | |
| DAY CARE SER | VICES |
| DAY CARE SERVIDAY Care Services | |
| Day Care Services 'Day Care Services' means administered under contra | |
| Day Care Services 'Day Care Services' means administered under contra shall be covered, including Effective Period: 7/1/2015 | s provision of day care services through the city's center-based day care program act with the city's Administration for Children's Services. No other day care programs g family-based day care programs administered by city-contracted day care centers. |
| Day Care Services 'Day Care Services' means administered under contra shall be covered, including | s provision of day care services through the city's center-based day care program act with the city's Administration for Children's Services. No other day care programs g family-based day care programs administered by city-contracted day care centers. - 6/30/2016 |

FOOD SERVICE EMPLOYEES

Cook

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 4 of 8

Iffective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$16.63

Supplemental Benefit Rate per Hour: \$1.70

Cafeteria Attendant

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$11.67

Supplemental Benefit Rate per Hour: \$1.70

Counter Attendant

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$11.22

Supplemental Benefit Rate per Hour: \$1.70

Kitchen Helper / Dishwasher

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$11.04

Supplemental Benefit Rate per Hour: \$1.70

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 5 of 8

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

HOMECARE SERVICES

Home Care Services

'Homecare Services' means the provision of homecare services under the city's Medicaid Personal Care/Home Attendant or Housekeeping Programs, including but not limited to the In-Home Services for the Elderly Programs administered by the Department for the Aging.

For homecare services provided under the Personal Care Services program, the wage and supplemental benefit rate above shall apply only as long as the state and federal government maintain their combined aggregate proportionate share of funding and approved rates for homecare services in effect as of the date of the enactment of this section.

For contractors or subcontractors providing homecare services, the supplemental benefit rate may be waived by the terms of a bona fide collective bargaining agreement with respect to employees who have never worked a minimum of eighty (80) hours per month for two consecutive months for that covered employer, but such provision may not be waived for any employee once a minimum of eighty (80) hours for two consecutive months has been achieved.

Effective Period: 7/1/2015 - 6/30/2016

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 6 of 8

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: 7/1/2015 - 6/30/2016

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: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$33.89

Supplemental Benefit Rate per Hour: None

Cashier

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$11.50

Supplemental Benefit Rate per Hour: None

Clerk (various)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$15.50

Supplemental Benefit Rate per Hour: None

Computer Assistant

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$20.12

Supplemental Benefit Rate per Hour: None

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 7 of 8

Data Entry Operator

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$16.38

Supplemental Benefit Rate per Hour: None

Receptionist

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$15.29

Supplemental Benefit Rate per Hour: None

Secretary (various)

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$19.58

Supplemental Benefit Rate per Hour: None

Word Processor

Effective Period: 7/1/2015 - 6/30/2016

Wage Rate per Hour: \$18.32

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.

PUBLISH DATE: 7/1/2015 EFFECTIVE PERIOD: JULY 1, 2015 THROUGH JUNE 30, 2016 Page 8 of 8



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

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 | |
| APPROVED AS TO FORM
CERTIFIED AS TO LEGAL AUTHORITY | |
| | Acting Corporation Counsel |
| Dated | , 20 |



INFRASTRUCTURE DIVISION BUREAU OF DESIGN

VOLUME 2 OF 3

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

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

| Tully Construction | CO. INC Contractor | |
|--|----------------------------|-------------|
| Dated | | |
| APPROVED AS TO FORM CERTHIED AS TO LEGAL AUTHORITY | Acting Corporation Counsel | K.T. 7/2/15 |
| Dated July 2 | | |



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: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

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



FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PREPARED BY IN-HOUSE DESIGN

June 24, 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. Waqar 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/bioswales-standard-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 New York City Fire Department Communications facilities are available from the FDNY Facilities Management Bureau, Plant Operations Engineering, 316 Sgt. Beers Avenue Cluster 1 Box 16, Fort Totten, N.Y. 11359.

Contact: Mr. Ed Durkin, Tel. (718) 281-3933

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)

Project ID.: QED1005

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. | Required provided the TOTAL BID PRICE set forth on the Bid Form is \$1,000,000 or more. Certified Check: 2% of Bid Amount or | |
|--|---|--|
| INFORMATION FOR BIDDERS SECTION 26 | Bond: 10% of Bid Amount Required for contracts in the amount of \$1,000,000 or | |
| PERFORMANCE AND PAYMENT BONDS | more. | |
| The Contractor shall obtain performance and payment bonds in the amount indicated to the right. | Performance Security and Payment Security shall each be in an amount equal to 100% of the Contract Price. | |
| 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 | | |
| 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. | For Each Consecutive Calendar Day Over Substantial Completion Time: \$1,500.00 | |
| CONTRACT ARTICLE 17. SUB-CONTRACTOR | | |
| The Contractor shall not make subcontracts totaling an amount more than the percentage of the total Contract price indicated to the right. | Not to Exceed 35% of the Contract Price | |
| CONTRACT ARTICLE 21. RETAINAGE | | |
| The Commissioner shall deduct and retain until the substantial completion of the Work the percent value of the Work indicated to the right. | <u>5%</u> of the Value of the Work | |
| CONTRACT ARTICLE 22. (Per Directions Indicated To The Right) | See pages SA-5 through SA-9 | |
| (2 or original indicated TO The Right) | | |

Project ID.: QED1005

| CONTRACT ARTICLE 24. DEPOSIT GUARANTEE As security for the faithful performance of its obligations, the Contractor, upon filing its requisition for payment on Substantial Completion, shall deposit with the Commissioner a sum equal to the percentage of the Contract price indicated to the right. | 1% of Contract Price |
|---|--|
| 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. | See Contract Article 74 |
| 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

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.

For Each Calendar Day of Deficiency: \$250.00

STANDARD HIGHWAY SPECIFICATIONS SECTION 6.70 LIQUIDATED DAMAGES FOR MAINTENANCE AND PROTECTION OF TRAFFIC

For each instance of failure to comply with the Maintenance and Protection of Traffic requirements within three (3) hours after written notice from the Engineer: \$250.00

For each and every hour of failing to open the entire width of roadway to traffic the morning following a night/weekend work operation: \$500.00

STANDARD HIGHWAY SPECIFICATIONS SECTION 7.13 LIQUIDATED DAMAGES FOR MAINTENANCE OF SITE

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.

For Each Calendar Day, for Each Occurrence: \$250.00

Date for Substantial Completion (Reference: Article 14)

The Contractor shall substantially complete the Work within the Final Contract Duration determined in accordance with the terms and conditions set forth herein.

| The Base Contract Duration for this | s project is | 545 | consecutive c | alendar da | ays (| ("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.

| V | YES | NO |
|---|-----|----|
| | | |

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 the 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 the 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-ccds 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

Note: 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 an X in a box () to left will be required under this contract

| TYPES OF INSURANCE (per Article 22 in its entirety, including li | | 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. |
| | | (2) All person(s) or organization(s), if any, that Article 22.1.1(b) of the Contract requires to be named as Additiona Insured(s), with coverage at least as broad as ISO Form CC 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) The New York City Transit Authority (NYCTA), Manhatta and Bronx Surface Transit Operation Authority (MaBSTOA Staten Island Rapid Transit Operation Authority (SIRTOA Metropolitan Transportation Authority (MTA), its subsidiarie and affiliated companies. The Contractor shall furnish two (2 certificates of insurance to and the policy shall be endorse to provide thirty (30) days advance notice to the Director, Ris Management, MTA Risk and Insurance Managemer Standards, Enforcement and Claims Unit, 2 Broadway, 21 |
| | | Floor, New York, NY 10004, of any material change and/cancellation. |
| | | (4) <u>The National Railroad Passenger Corporation</u> (AMTRAK), its subsidiaries and affiliated companies. The Contractor shall furnish two (2) certificates of insurance to the AMTRAK, Attention: Michael Kolonauski, Project Development Officer, National Railroad Passenge Corporation (AMTRAK), 30 th Street Station, 4 th Floor South Tower, Mail Box 64, Philadelphia, PA 19104. |
| | | (5) National Grid |
| <u> </u> | | (6) Consolidated Edison Company Of New York |

| Workers' Compensation | Art. 22.1.2 | Workers' Compensation, Employers' Liability, and Disability Benefits Insurance: Statutory per New York State law without |
|--|-------------|---|
| Disability Benefits Insurance | Art. 22.1.2 | regard to jurisdiction. |
| Employers' Liability | Art. 22.1.2 | Note: The following forms are acceptable: (1) New York State Workers' Compensation Board Form No. C-105.2, (2) |
| ☐ Jones Act | Art. 22.1.3 | 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 |
| U.S. Longshoremen's and Harbor
Workers Compensation Act | Art. 22.1.3 | 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. |
| | | Additional Requirements: |
| | | (1) NYCTA "OUTSIDE CONTRACT" INSURANCE REQUIREMENTS: Workers' Compensation Insurance |
| | | (including Employer's Liability Insurance) with limits of not less than \$2,000,000, which limit may be met by a combination of primary and excess insurance meeting the statutory limits of New York State. |
| | | (2) Two (2) certificates of such insurance shall be furnished to the Director, Risk Management, MTA Risk and Insurance Management Standards, Enforcement and Claims Unit, 2 Broadway, 21st Floor, New York, NY 10004. |
| | | (3) AMTRAK INSURANCE REQUIREMENTS: Workers' Compensation Insurance (including Employer's Liability Insurance) with limits of not less than \$2,000,000, which limit may be met by a combination of primary and excess |
| | | insurance meeting the statutory limits of New York State. (4) Two (2) certificates of such insurance shall be |
| | | furnished to the AMTRAK, Attention: Michael Kolonauski, Project Development Officer, National Railroad Passenger Corporation (AMTRAK), 30 th Street Station, 4 th Floor South Tower, Mail Box 64, Philadelphia, PA 19104. |
| | | (5) |
| ☐ 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 Work does not involve construction of a new building or gut renovation work, the Contractor may provide an installation floater in lieu of Builders Risk insurance. |
| | | Note: Builders Risk Insurance may terminate upon Substantial Completion of the Work 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 Contractor 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. |
| | | (2) The New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operation Authority (MaBSTOA), Staten Island Rapid Transit Operation Authority (SIRTOA), |

| Metropolitan Transportation Authority (MTA), its subsidiaries and affiliated companies. |
|---|
| (3) <u>The National Railroad Passenger Corporation</u> (AMTRAK), its subsidiaries and affiliated companies. (4) |
| |
| |

| ☐ Contractors Pollution Liability | Art. 22.1.6 | \$ per occurrence |
|-----------------------------------|----------------|--|
| | | \$aggregate |
| | | Additional Insureds: |
| | | (1) City of New York, including its officials and employees. |
| | | (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. |
| | | (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. |
| • | | (2) |
| | | (3) |
| ☐ Marine Pollution Liability | Art. 22.1.7(c) | \$ per occurrence |
| | | \$ aggregate |
| | | Additional Insureds: |
| | | (1) City of New York, including its officials and employees. |
| | | (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 environmentalrelated work and/or exposures exist.
- Indicate the Name and address of the Contractor to perform the work, the Contract Number 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 thirty (30) days of the Binder Approval.

\$2,000,000 per occurrence

\$6,000,000 annual aggregate

Named Insureds:

- (1) The New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operation Authority (MaBSTOA), Staten Island Rapid Transit Operation Authority (SIRTOA), MTA Capital Construction Company, Metropolitan Transportation Authority (MTA), including its subsidiaries and affiliates, and the City of New York (as Owner) and all other indemnified parties.
- (2) <u>The National Railroad Passenger Corporation</u> (AMTRAK), its subsidiaries and affiliated companies, the City of New York and all other indemnified parties.
- (3)

[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

[OTHER]

Art. 22.1.8

☐ The Following Additional Insurance Must Be Provided:

<u>Umbrella/Excess Liability Insurance</u> - The Contractor shall provide Umbrella/Excess Liability Insurance in the minimum amount of \$10,000,000 per Occurrence and \$10,000,000 in Aggregate. The policy terms and condition should be at least as broad as the underlying policies. The underlying policies should comply with the insurance provision as outlined by the contract. Defense cost should be in addition to the limit of liability. The City of New York, including its officials and employees, should be included as additional insured as respects to the noted project.

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

PART III. CERTIFICATES OF INSURANCE

All certificates of insurance (except certificates of insurance solely evidencing Workers' Compensation Insurance, Employer's Liability Insurance, and/or Disability Benefits Insurance) must be accompanied by one of the following:

(1) the Certification by Insurance Broker or Agent on the following page setting forth the required information and signatures;

-- OR --

(2) copies of all policies as certified by an authorized representative of the issuing insurance carrier that are referenced in such certificate of insurance. 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.

CERTIFICATION BY INSURANCE BROKER OR AGENT

The undersigned insurance broker represents to the City of New York that the attached Certificate of Insurance is accurate in all material respects.

| | [Name Of Broker or Agent (Typewritten)] |
|-----------------------------------|--|
| | [Address Of Broker or Agent (Typewritten)] |
| | [E-Mail Address Of Broker or Agent (Typewritten)] |
| | [Phone Number/Fax Number Of Broker or Agent (Typewritten)] |
| | [Signature Of Authorized Official, Broker or Agent] |
| | [Name And Title Of Authorized Official, Broker or Agent (Typewritten)] |
| State of)
) ss.:
County of) | |
| Sworn to before me this day of _ | , 20 |
| NOTARY PUBLIC FOR THE STATE OF | |

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 |
| |
| |
| |

ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

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

ADDENDUM NO. 1

DATED: April 15, 2015

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 Section 6.44 PO and 6.52 CG.

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]

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

- 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 1. 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.
- 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.
- 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;

 $\frac{\text{Delete}}{4.11.3.(\text{B})}$, 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;

 $\frac{\text{Delete}}{\text{their}}$ 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;

Change 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.";

<u>Insert</u> 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 one (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, 4th 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."

[Added 04-15-2015]

- 28. Refer to Page 12, the second page of CONTRACTOR CODE OF CONDUCT;

 Delete the text on page 12, in its entirety;

 Substitute the revised text as contained on the following page

 Al-1i.
- 29. Refer to Page 15, Subsection 1.06.23.(B) DISPOSAL OF CONSTRUCTION WASTE;

 Delete Subsection 1.06.23.(B) DISPOSAL OF CONSTRUCTION WASTE, in its entirety;
 Substitute the following text:
 - "(B) DISPOSAL OF CONSTRUCTION WASTE

The Contractor shall dispose of all waste materials in a legal and proper manner. Should the facilities of the New York City Department of Sanitation be used, waste material shall be disposed of in accordance with the rules and regulations of the Department of Sanitation. The Contractor shall submit an affidavit to the Commissioner indicating that he has complied with said rules and regulations, the site used, and proof of purchase of dump tickets. Should the Contractor use a site other than the Department of Sanitation, the Contractor shall submit an affidavit to the Commissioner indicating that he has complied with all laws for removal of waste material, the site used, and a paid receipt. In addition, should the facilities used be located in the State of New York, it shall be a Solid Waste Management Facility registered with the New York State Department of Environmental Conservation, Division of Solid & Hazardous Materials. Failure to comply with this provision shall be deemed a material breach of this contract."

30. Refer to Pages 20 and 21, Subsection 1.06.25. Schedule of Operations;

Delete the last paragraph of Subsection 1.06.25., in its entirety;

Substitute the following paragraph:

"The Contractor shall submit weekly progress status update reports showing its anticipated work schedule for the upcoming week or as otherwise directed by the Engineer. Timely submission of these weekly progress schedules are critical for preparation of the Weekly Construction Bulletin to be prepared by the Construction Community Liaison or project staff. If the Contractor fails to submit the required anticipated work schedule, the Resident Engineer will issue a Field Order. 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."

31. Refer to Page 89, Subsection 2.26.5.;

Change the "Percent Passing" for Siece Size No. 100 from "40-600%" to "40-60%".

Relationships with the community will be polite and helpful

- Inappropriate or foul language will not be tolerated.
- Personal and commercial deliveries will be accommodated.
- Access will always be maintained for mail delivery and the community.
- Construction personnel will be courteous to the public and will refer all questions to the Resident Engineer or Community Construction Liaison.

The community will be kept informed about the project

- An overall project schedule along with detailed information about immediate project activities will be maintained and kept up-to-date, for use by City representatives to keep the community informed of Contractor's operations.
- All 24 Hour Notifications signs prepared by the project staff in order to inform the public of impending work (i.e. water shutdowns, parking interruptions, traffic pattern changes, access restrictions, etc.) shall be posted by the Contractor in the affected geographical area as directed by the Engineer, at least 24 hours before the start of such work.

Construction will proceed in a safe manner

- Temporary walkways will be clearly marked, smooth, drained, and clear of obstacles.
- Access to active fire hydrants will be maintained.
- Equipment and vehicles will be operated at acceptable speeds and in a safe manner.
- Fencing will be maintained in an acceptable condition.
- There will be sufficient traffic control devices and they will be maintained.
- Trucks will not stand idling.
- Steel road plates will be skid-resistant.
- Flaggers will ALWAYS be used when equipment is moved into and out of congested or high-volume traffic areas.
- Temporary asphalt ramps and roadway restorations will be well maintained.

| Signature of Principal of Construction Company | Date |
|--|------|
| Name of Construction Company (Print) | |

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;

"(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, ADDITIONAL REQUIREMENTS SPECIFIC REQUIREMENTS; Delete the requirements for a Photocopy Machine shown in the 15th row of TABLE 6.40-I, in its entirety; Substitute the following revised requirements: Photocopying Machine - Stand-alone, heavy duty, electric, dry-1 1 1 process color photocopying type with a minimum production rate of 70 pages per minute and an adequate supply of copy paper. toner, etc. The machine shall be capable of duplex copying paper sizes of 8-1/2 x 11 inches, 8-1/2 x 14 inches and 11 x 17 inches, and have separate 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.

5. Refer to Page 368, TABLE 6.40-I, ADDITIONAL REQUIREMENTS SPECIFIC REQUIREMENTS;
Insert the following two additional requirements:

| Heavy duty commercial grade diamond cut shredder with automatic start. The shredder shall be able to receive 8-1/2 inch wide paper and shred a minimum of 15 sheets simultaneously along with CDs and staples. | 1 | 1 | 1 | 1 | 1 | 1 ⁻ |
|--|---|---|---|---|---|----------------|
| Projector – 1080p LCD with a min. of 2200 ANSI Lumins, 1920 x 1080, 16:9, 40,000:1 contrast ratio, HDMI, VGA, USB, and a 10 feet diagonal, 16:9 Projection Screen. | - | - | 1 | 1 | 1 | 1 |

6. Refer to Page 496, Subsection 7.20.4. METHODS, last paragraph beginning with the words "When directed by the Engineer, due to the original conditions . . .";

Add the following sentence to the end of the last paragraph under Subsection 7.20.4:

"However, if the owner at his own expense supplies the replacement frame and doors or hatch covers the Contractor shall install the replacement frame and doors or hatch covers under this Item 7.20, as a basement access reset, in lieu of the steel safety closure plate."

[Added 07-16-2012]

7. Refer to Page 365, Subsection 6.40.2.(C)(c)(1) "Personal Computer(s) - Workstation Configuration";

Delete the text under Subsections (g) and (k), in their entirety;
Substitute the following revised text:

"(g) I/O Ports:

Must have at least one (1) Serial Port, one (1) Parallel Port, and

three (3) USB Ports.

(k) Network Interface:

Integrated 10/100/1000 Ethernet

card."

- 8. Refer to Page 366, Subsection 6.40.2.(C)(c)(2) "All field offices requiring computers shall be provided with the following:";

 Delete the text under Subsection (a), in its entirety;
 Substitute the following revised text:
 - "(a) One (1) broad-band internet service account. Wideband Internet connectivity at a minimum throughput of 15 Mbps download and 5 Mbps upload is required at each field office location with 1-5 staffers. For larger field offices see table below for minimum required upload speeds. Telephone service should be bundled together with Internet connectivity. Because of throughput requirements Verizon FIOS is the preferred connectivity provider where available.

| Office
Personnel
| Upload Speeds (Minimum) |
|--------------------------|-------------------------|
| 1 - 5 | 5 Mbps |
| 6 - 10 | 10 Mbps |
| 11 - 15 | 15 Mbps |
| 16 - 20 | 20 Mbps |

This account will be active for the life of the project. The e-mail name for the account shall be the DDC Field Office/project Id (e.g. FLD K HWK666 McGuinness@earthlink.com)."

[Added 08-09-2012]

- 9. Refer to Page 366, Subsection 6.40.2.(C)(c)(b), as amended by Article 2 on page A1-2 of this Addendum;

 Delete the text under Subsection (b), in its entirety;

 Substitute the following words: "(b) (No Text)."
- 10. Refer to Page 368, TABLE 6.40-I, ADDITIONAL REQUIREMENTS SPECIFIC REQUIREMENTS;

Delete the requirements for a Photocopy Machine shown in the 15th row of TABLE 6.40-I, as modified by Article 4 on page A1-2a of this Addendum, in its entirety;

Substitute the following revised requirements:

| Photocopying Machine – Stand-alone, heavy duty, electric, dry-process color photocopying type with color scan and send capability via e-mail, a minimum production rate of 70 pages per minute and an adequate supply of copy paper, toner, etc. The machine shall be capable of duplex copying paper sizes of 8-1/2 x 11 inches, 8-1/2 x 14 inches and 11 x 17 inches, and have separate trays for each paper size. It shall have a document feeder, collator, stapler, and the capability to reduce/enlarge copies between each paper size. The supply of each size copy paper, toner, etc. shall be replenished and the machines shall be maintained for the duration of the contract by the Contractor as required by the Engineer. Make and model can be Minolta, | 1 | 1 | 1 | 1 | 1 | 1 |
|--|----------|---|---|---|---|---|
| Canon, IBM, Epson, or an approved equivalent, and shall be networked to the office computers. | <u> </u> | (| | | | |

[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) <u>Wetlands, Woodlands and Areas Within Seventy-five (75') feet of a Stream</u>. 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 <u>one month prior</u> 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

DESCRIPTION. This section describes the furnishing and application of an 6.44PO.1. 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.

- ASTM D-4541 Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Tester.
- ASTM D-4060 Test Method for Abrasion Resistance of Organic Coatings by the Taber B.
- ASTM D-522-93A Standard Test Method for Mandrel Bend Test of Attached Organic C. Coatings.
- ASTM G-155 QUV Accelerated Weathering Environment. Standard Practice for D. Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials.
- ASTM D-2486 MEK rub test for chemical resistance. E.
- ASTM D-570 Standard Test Method for water absorption of plastics. F.
- ASTM E-303 British Pendulum test for friction. G.
- EPA 24 ASTM D3960-05 Volatile Organic Compounds.

6.44PO.3. SUBMITTALS.

- A copy of the current year accreditation certificate available from the Contractor or Α. 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.
- Written and published specification for the application of the selected asphalt pavement B. coating.
- Confirmation of coating color. C.
- 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
∆E < 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, as approved by the Engineer, in controlling vehicular and pedestrian traffic at construction sites.

All crossing guards, whether paid for under this item or not, their apparel, hand-signaling devices, and active two-way radios shall be appropriate for use at roadway construction sites as approved by the Engineer.

Prior to the start of crossing guard operations, the Contractor shall provide to the Engineer a list of 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, 4th paragraph, beginning with the words "The Contractor shall maintain the traveled way . . .;

Delete the 4th 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."

[Added 04-15-2015]

17. Refer to Page A1-2n of this Addendum, Subsection 6.52CG.5. PRICE TO COVER;

Add the following text as the second paragraph under Subsection 6.52CG.5.:

"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."

- 18. Refer to Pages 328 through 341, Subsections 6.23.5. MEASUREMENT and 6.23.6. PRICES TO COVER;
 - Delete Subsection 6.23.5. MEASUREMENT and 6.23.6. PRICES TO COVER, in their entirety;
 - Substitute Subsection 6.23.5. MEASUREMENT (Revised) and 6.23.6.

 PRICES TO COVER (Revised), as contained on the following pages
 A1-2q through A1-2af
- 19. Refer to Page 511, SECTIONS 7.97 THRU 8.01 (NO TEXT);
 Change the words "SECTIONS 7.97 THRU 8.01 (NO TEXT)" to read
 "SECTIONS 7.97 THRU 7.99 (NO TEXT)";

<u>Insert</u> new Section 8.00 MT, as contained on the following pages A1-2ag Through A1-2ai;

Insert the words "SECTION 8.01 (NO TEXT)".

6.23.5. MEASUREMENT (Revised).

(A) The quantities of

ITEM NO. 6.23 AA FURNISH AND INSTALL FIRE ALARM POST IN ACCORDANCE WITH F.D.

STD. DWG. #141

ITEM NO. 6.23 AB REMOVE EXISTING FIRE ALARM POST

ITEM NO. 6.23 AC ADJUST FIRE ALARM POST TO NEW GRADE IN ACCORDANCE WITH

F.D. STD. DWG. #167

ITEM NO. 6.23 BA FURNISH AND INSTALL FIRE ALARM POST AND SUBBASE IN

ACCORDANCE WITH F.D. STD. DWG. #141

to be measured for payment shall be the number of fire alarm posts with or without subbases, as specified, incorporated in the work as shown, specified or required, to the satisfaction of the Engineer; the number of fire alarm posts and/or empty housings actually delivered to the Fire Department's storehouse as shown, specified or required, to the satisfaction of the Engineer; or, the number of fire alarm posts adjusted to the new grade as shown, specified or required, to the satisfaction of the Engineer.

(B) The quantities of

ITEM NO. 6.23 AF FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL (CHIPPY)

BOX IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD

DRAWING #145AA

ITEM NO. 6.23 AFA FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL (CHIPPY)

BOX IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD

DRAWING #145AA WITHOUT TERMINATING CABLES

ITEM NO. 6.23 BF FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL

(HOFFMAN) BOX IN ACCORDANCE WITH FIRE DEPARTMENT

STANDARD DRAWING #146

ITEM NO. 6.23 BFE FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL

(HOFFMAN) BOX IN ACCORDANCE WITH FIRE DEPARTMENT

STANDARD DRAWING #146 WITHOUT TERMINATING CABLES

to be measured for payment shall be the number of pole terminal boxes of each type, incorporated in the work, complete, as shown, specified or required, to the satisfaction of the Engineer.

(C) The quantities of

ITEM NO. 6.23 BBS FURNISH AND INSTALL 3" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE

40. U.L. 651 (WITHOUT PAVEMENT EXCAVATION) IN ACCORDANCE

WITH F.D. STD. DWG. #141

ITEM NO. 6.23 BBSE FURNISH AND INSTALL 3" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE

40, U.L. 651 (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH

F.D. STD. DWG. #141

ITEM NO. 6.23 BH FURNISH AND INSTALL 4" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE

40, U.L. 651 (WITHOUT PAVEMENT EXCAVATION) IN ACCORDANCE

WITH F.D. STD. DWG. #141 OR #145AA

ITEM NO. 6.23 BHE FURNISH AND INSTALL 4" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE

40, U.L. 651 (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH

F.D. STD. DWG. #141 OR #145AA

ITEM NO. 6.23 CB FURNISH AND INSTALL 2 – 3" 90 DEGREE P.V.C. WIDE BENDS,

SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITHOUT PAVEMENT

EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141

ITEM NO. 6.23 CBE FURNISH AND INSTALL 2 – 3" 90 DEGREE P.V.C. WIDE BENDS,

SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141

| ITEM NO. 6.23 XBB | FURNISH AND INSTALL 2" GALVANIZED STEEL 90 DEGREE BEND (WITHOUT PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #145BB |
|--------------------|---|
| ITEM NO. 6.23 XBBE | FURNISH AND INSTALL 2" GALVANIZED STEEL 90 DEGREE BEND (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #145BB |
| ITEM NO. 6.23 XCC | FURNISH AND INSTALL 3" GALVANIZED STEEL 90-DEGREE BEND (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XCCE | FURNISH AND INSTALL 3" GALVANIZED STEEL 90-DEGREE BEND (WITH PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XDD | FURNISH AND INSTALL 4" GALVANIZED STEEL 90-DEGREE BEND (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XDDE | FURNISH AND INSTALL 4" GALVANIZED STEEL 90-DEGREE BEND (WITH PAVEMENT EXCAVATION) |

to be measured for payment shall be the number of bends of each type and size of eighteen (18") inch radius for fire alarm posts or poles installed in the work, complete, as shown, specified or required, to the satisfaction of the Engineering.

(D) The quantities of

| ITEM NO. 6.23 BCS | FURNISH AND INSTALL 3" P.V.C. CONDUIT, SCHEDULE 40, |
|----------------------|---|
| | U.L. 651 (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 BCSE | FURNISH AND INSTALL 3" P.V.C. CONDUIT, SCHEDULE 40, |
| | U.L. 651 (WITH PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 BGS | FURNISH AND INSTALL 4" P.V.C. CONDUIT, SCHEDULE 40, |
| | 11 654 (MITHOLT DAYEMENT EVOAVATION) |
| ITEM NO. 6.23 BGSE | U.L. 651 (WITHOUT PAVEMENT EXCAVATION) |
| 11 EW 140. 0.23 BGSE | FURNISH AND INSTALL 4" P.V.C. CONDUIT, SCHEDULE 40, |
| ITEMANO COCROT | U.L. 651 (WITH PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 BGT | FURNISH AND INSTALL 2 - 4" P.V.C. CONDUITS, SCHEDULE 40, U.L. |
| | 651 IN ONE TRENCH (WITHOUT PAVEMENT EXCAVATION, ONE ON |
| | TOP OF THE OTHER) |
| ITEM NO. 6.23 BGTE | FURNISH AND INSTALL 2 - 4" P.V.C. CONDUITS, SCHEDULE 40, U.L. |
| | 651 IN ONE TRENCH (WITH PAVEMENT EXCAVATION, ONE ON TOP OF |
| | THE OTHER) |
| ITEM NO. 6.23 CC | |
| 11 2.01 110. 0.20 00 | FURNISH AND INSTALL 2 – 3" P.V.C. CONDUITS, SCHEDULE 40, U.L. |
| | 651 IN ONE TRENCH (WITHOUT PAVEMENT EXCAVATION, ONE ON |
| ITEMANO COCOCO | TOP OF THE OTHER) |
| ITEM NO. 6.23 CCE | FURNISH AND INSTALL 2 - 3" P.V.C. CONDUITS, SCHEDULE 40, U.L. |
| | 651 IN ONE TRENCH (WITH PAVEMENT EXCAVATION, ONE ON TOP OF |
| | THE OTHER) |
| ITEM NO. 6.23 XB | FURNISH AND INSTALL 2" STEEL GALVANIZED CONDUIT (WITHOUT |
| | PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XBE | FURNISH AND INSTALL 2" STEEL GALVANIZED CONDUIT (WITH |
| | PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XC | |
| 11 EW 140. 0.23 AC | FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT (WITHOUT |
| ITEM NO. 6 00 VOE | PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XCE | FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT (WITH |
| | PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XD | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT (WITHOUT |
| | PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XDE | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT (WITH |
| | PAVEMENT EXCAVATION) |
| | ··· |

to be measured for payment shall be the number of linear feet of each size, number and kind of fire communication conduit and forty-eight (48") radius bends incorporated in the work, complete, as shown, specified or required, to the satisfaction of the Engineer, measured along the center line of each run of fire communication conduit, from center line of manhole to center line of manhole or to center line of fire alarm post or pole, as is applicable.

(E) The quantities of

| ITEM NO. 6.23 BD ITEM NO. 6.23 DC ITEM NO. 6.23 DDA ITEM NO. 6.23 DDB ITEM NO. 6.23 DDC ITEM NO. 6.23 DDD ITEM NO. 6.23 DDE ITEM NO. 6.23 DF ITEM NO. 6.23 DG ITEM NO. 6.23 DG | FURNISH AND INSTALL 4-PAIR FIRE ALARM CABLE FURNISH AND INSTALL 10 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 15 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 20 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 25 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 30 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 40 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 45 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 50 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 55 PAIR FIRE ALARM CABLE |
|--|--|
| ITEM NO. 6.23 DH
ITEM NO. 6.23 DJ | FURNISH AND INSTALL 55 PAIR FIRE ALARM CABLE FURNISH AND INSTALL 60 PAIR FIRE ALARM CABLE |
| | |

to be measured for payment shall be the number of linear feet of each size and type of fire alarm cable, including slack, incorporated in the work, complete, as shown, specified or required, to the satisfaction of the Engineer, measured along the centerline of each run of fire alarm cable, continuously through manholes.

(F) The quantities of

| ITEM NO. 6.23 BE | FURNISH AND INSTALL FIRE DEPARTMENT MANHOLE TYPE "A" WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #140, #144, & #144E |
|-------------------|---|
| ITEM NO. 6.23 BES | FURNISH AND INSTALL FIRE DEPARTMENT SLOTTED MANHOLE TYPE "A" WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #140, #144S & #144E |
| ITEM NO. 6.23 EB | FURNISH AND INSTALL FIRE DEPARTMENT MANHOLE TYPE "B" WITH FRAME & COVER IN ACCORDANCE WITH F.D. STD. DWG. #140, #144, #144C. #144C. & #144E |
| ITEM NO. 6.23 HH | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #144B OR #144E |
| ITEM NO. 6.23 HHA | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #143 |
| ITEM NO. 6.23 HHS | FURNISH AND INSTALL F.D.N.Y. SIDEWALK SLOTTED HANDHOLE WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #144E OR #144BS |

to be measured for payment shall be the number of each type manhole or handhole installed in the work, complete, as shown, specified or required, to the satisfaction of the Engineer.

(G) The quantities of

| ITEM NO. 6.23 BFA | FURNISH AND INSTALL FIRE DEPARTMENT 48 WIRE TERMINAL BOX AND TERMINATE FIRE ALARM CABLES |
|-------------------|---|
| ITEM NO. 6.23 BFB | FURNISH AND INSTALL FIRE DEPARTMENT 24 WIRE TERMINAL BOX AND TERMINATE FIRE ALARM CABLES |
| ITEM NO. 6.23 BFC | FURNISH AND INSTALL FIRE DEPARTMENT 12 WIRE TERMINAL BOX
AND TERMINATE FIRE ALARM CABLES |

to be measured for payment shall be the number of terminal boxes of each type, incorporated in the work, complete, as shown, specified or required, to the satisfaction of the Engineer.

(H) The quantity of

ITEM NO. 6.23 BGB FURNISH AND INSTALL 4" PVC CONDUIT TO 4" GALVANIZED STEEL BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146

| ITEM NO. 6.23 BGD | FURNISH AND INSTALL 3" PVC CONDUIT TO 3" GALVANIZED STEEL |
|--------------------|--|
| ITEM NO. 0 00 DOD | BUSHING AS SHOWN IN F.D. STD. DWG, #145AA OR 146 |
| ITEM NO. 6.23 BGR | FURNISH AND INSTALL 4" PVC CONDUIT TO 2" GALVANIZED STEEL |
| ITEM NO. 6.23 BGRA | REDUCER BUSHING AS SHOWN IN F.D. STD. DWG. #145AA
FURNISH AND INSTALL 4" PVC CONDUIT TO 3" GALVANIZED STEEL |
| | REDUCER BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 |
| ITEM NO. 6.23 BGRC | FURNISH AND INSTALL 3" PVC CONDUIT TO 2" GALVANIZED STEEL |
| ITEMANO A CARROTT | REDUCER BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 |
| ITEM NO. 6.23 BGRE | FURNISH AND INSTALL 3" PVC CONDUIT TO 4" GALVANIZED STEEL |
| | REDUCER BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 |

to be measured for payment shall be the number of bushings incorporated in the work, complete, as shown, specified or required, to the satisfication of the Engineer.

(I) The quantity of

ITEM NO. 6.23 BP

FURNISH AND INSTALL FIRE ALARM PEDESTAL BUMPERS (2 REQUIRED PER SET) IN ACCORDANCE WITH F.D. STD. DWG. #168

to be measured for payment shall be the number of sets of bumpers, incorporated in the work, complete, as shown, specified or required, to the satisfaction of the Engineer. Each set shall consist of two (2) bumpers.

(J) The quantities of

ITEM NO. 6.23 FC REMOVE EXISTING F.D.N.Y. MANHOLE FRAME & COVER AND FURNISH

AND INSTALL F.D.N.Y. FRAME & COVER IN ACCORDANCE WITH F.D.

STD. DWG. #140

ITEM NO. 6.23 HFC REMOVE EXISTING F.D.N.Y. SIDEWALK HANDHOLE FRAME & COVER

AND FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE FRAME &

COVER IN ACCORDANCE WITH F.D. STD. DWG. #143 OR #144B

to be measured for payment shall be the number of each type of existing F.D.N.Y. manhole frame & cover or sidewalk handhole frame & cover that have been replaced, at the locations shown or as directed and as shown on the Fire Department Standards, to the satisfaction of the Engineer.

(K) The quantities of

| HEM NO. 6.23 FCA | FURNISH AND INSTALL F.D.N.Y. MANHOLE FRAME & COVER IN |
|--------------------|--|
| | ACCORDANCE WITH F.D. STD. DWG. #140 |
| ITEM NO. 6.23 FCB | FURNISH AND INSTALL F.D.N.Y. MANHOLE COVER IN ACCORDANCE |
| | WITH F.D. STD. DWG. #140 |
| ITEM NO. 6.23 HC | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE COVER IN |
| | ACCORDANCE WITH F.D. STD. DWG. #143 OR #144B |
| ITEM NO. 6.23 HFCA | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE FRAME AND |
| | COVER IN ACCORDANCE WITH F.D. STD. DWG. #143 OR #144B |

to be measured for payment shall be the number of new manhole or sidewalk handhole frames with covers or manhole or sidewalk handhole covers incorporated in the work, complete, as shown, specified or required, to the satisfaction of the Engineer.

(L) The quantities of

| ITEM NO. 6.23 RH | REMOVE EXISTING F.D.N.Y. SIDEWALK HANDHOLE |
|------------------|--|
| ITEM NO. 6.23 RM | REMOVE EXISTING F.D.N.Y. MANHOLE |

to be measured for payment shall be the number of F.D.N.Y. manholes or sidewalk handholes actually removed, as specified, at the location shown or as directed, to the satisfaction of the Engineer.

(M) The quantities of

| ITEM NO. 6.23 RIC | RODDING AND INSTALLING FIRE ALARM CABLE IN EXISTING |
|--------------------------|---|
| TEM NO. 6.23 RIC | TELEPHONE CONDUIT SYSTEM |
| ITEM NO. 6.23 RICA | ROD AND ROPE CONDUIT AND INSTALL 4 PAIR FIRE ALARM CABLE IN |
| 11 EW 140. 0.20 14.07 | FXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICB | ROD AND ROPE CONDUIT AND INSTALL 10 PAIR FIRE ALARM CABLE |
| | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICC | ROD AND ROPE CONDUIT AND INSTALL 15 PAIR FIRE ALARM CABLE |
| | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICD | ROD AND ROPE CONDUIT AND INSTALL 20 PAIR FIRE ALARM CABLE |
| | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICE | ROD AND ROPE CONDUIT AND INSTALL 25 PAIR FIRE ALARM CABLE |
| | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM ROD AND ROPE CONDUIT AND INSTALL 30 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 RICF | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO 6 22 BICC | ROD AND ROPE CONDUIT AND INSTALL 40 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 RICG | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICH | ROD AND ROPE CONDUIT AND INSTALL 45 PAIR FIRE ALARM CABLE |
| 11 LIVI 140. 0.23 141011 | IN FXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICI | ROD AND ROPE CONDUIT AND INSTALL 50 PAIR FIRE ALARM CABLE |
| | IN FXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICJ | ROD AND ROPE CONDUIT AND INSTALL 55 PAIR FIRE ALARM CABLE |
| | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICK | ROD AND ROPE CONDUIT AND INSTALL 60 PAIR FIRE ALARM CABLE |
| | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RR | ROD AND ROPE EXISTING CONDUIT |
| ITEM NO. 6.23 XY | FURNISH AND INSTALL POLYPROPYLENE DRAG ROPE |

to be measured for payment shall be the number of linear feet of drag rope, with or without rodding, or cable with rodding, including slack, incorporated in the work, complete, as shown, specified or required, to the satisfaction of the Engineer, measured along the center line of each run of drag rope.

(N) The quantities of

| ITEM NO. 6.23 XAPE | FURNISH AND INSTALL 1/2" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING |
|--------------------|--|
| ITEM NO. 6.23 XBPE | #145AA FURNISH AND INSTALL 2" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING |
| ITEM NO. 6.23 XCPE | #145AA FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING #145AA OR #146 |
| ITEM NO. 6.23 XDPE | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING #145AA OR #146 |

to be measured for payment shall be the number of each type of conduit pole riser installed in the work, complete, as shown, specified or required, to the satisfaction of the Engineer.

(O) The quantity of

ITEM NO. 6.23 MW FURNISH AND INSTALL 5/16 INCH 7 STRAND GALVANIZED STEEL MESSENGER WIRE AND APPURTENANCES

to be measured for payment shall be the number of linear feet of each size and type of steel messenger wire, including slack, incorporated in the work, complete, as shown, specified or required, to the satisfaction of the Engineer, measured along the centerline of each run.

(P) The quantity of

ITEM NO. 6.23 PP

PAINT EXISTING FIRE ALARM POST AND/OR HOUSING

to be measured for payment shall be the number of fire alarm posts and/or boxes painted, complete, as specified or required, to the satisfaction of the Engineer.

6.23.6. PRICES TO COVER (Revised). Before payment is made for work done under this Section, the Contractor shall obtain a Certificate of Compliance from the Fire Department and file such certificate with the Engineer. The said certificate shall certify that all work at each location complies with the standards of, and is acceptable to, the Fire Department, Bureau of Communications.

The following contract items shall also include the cost of the permits and the letter of acceptance required and necessary to construct the new Fire Communications System at the locations shown or required all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(A) The contract prices bid for

| ITEM NO. 6.23 AA | FURNISH AND INSTALL FIRE ALARM POST IN ACCORDANCE WITH F.D. STD. DWG. #141 |
|------------------|--|
| ITEM NO. 6.23 BA | FURNISH AND INSTALL FIRE ALARM POST AND SUBBASE IN ACCORDANCE WITH F.D. STD. DWG. #141 |
| ITEM NO. 6.23 AB | REMOVE EXISTING FIRE ALARM POST |
| ITEM NO. 6.23 AC | ADJUST FIRE ALARM POST TO NEW GRADE IN ACCORDANCE WITH F.D. |
| | STD, DWG, #167 |

shall be a unit price for each and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install fire alarm post with or without subbase, as specified, and at the location shown or as directed and as shown on the Fire Department Standards; or to remove the fire alarm post and/or empty housing at the locations shown and deliver them to the Fire Department's Storehouse as directed; and shall include, but not be limited to, adjustment of base, subbase, and terminal box appurtenances, as may be required, at the locations shown or as directed. Said work shall include, but not be limited to, furnishing and installing base, subbase when specified, and appurtenances; connections; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(B) The contract prices bid for

| ITEM NO. 6.23 AF | FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL (CHIPPY) BOX IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD |
|-------------------|--|
| | DRAWING #145AA |
| ITEM NO. 6.23 AFA | FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL (CHIPPY) |
| | BOX IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD |
| | DRAWING #145AA WITHOUT TERMINATING CABLES |
| ITEM NO. 6.23 BF | FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL |
| | (HOFFMAN) BOX IN ACCORDANCE WITH FIRE DEPARTMENT |
| | STANDARD DRAWING #146 |
| ITEM NO. 6.23 BFE | FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL |
| | (HOFFMAN) BOX IN ACCORDANCE WITH FIRE DEPARTMENT |
| | STANDARD DRAWING #146 WITHOUT TERMINATING CABLES |

shall be a unit price for each type pole terminal box and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install the pole terminal box of the type and at the locations shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not limited to, connections, cable terminations, and furnishing and installing all other items necessary to complete this work and doing all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(C) The contract prices bid for

| ITEM NO. 6.23 BBS | FURNISH AND INSTALL 3" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE 40, U.L. 651 (WITHOUT PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 |
|--------------------|--|
| ITEM NO. 6.23 BBSE | FURNISH AND INSTALL 3" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE 40, U.L. 651 (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 |
| ITEM NO. 6.23 BH | FURNISH AND INSTALL 4" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE 40, U.L. 651 (WITHOUT PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 OR #145AA |
| ITEM NO. 6.23 BHE | FURNISH AND INSTALL 4" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE 40, U.L. 651 (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 OR #145AA |
| ITEM NO. 6.23 CB | FURNISH AND INSTALL 2 – 3" 90 DEGREE P.V.C. WIDE BENDS,
SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITHOUT PAVEMENT
EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 |
| ITEM NO. 6.23 CBE | FURNISH AND INSTALL 2 – 3" 90 DEGREE P.V.C. WIDE BENDS, SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 |
| ITEM NO. 6.23 XBB | FURNISH AND INSTALL 2" GALVANIZED STEEL 90 DEGREE
BEND (WITHOUT PAVEMENT EXCAVATION) IN ACCORDANCE WITH
F.D. STD. DWG. #145BB |
| ITEM NO. 6.23 XBBE | FURNISH AND INSTALL 2" GALVANIZED STEEL 90 DEGREE
BEND (WITH PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D.
STD. DWG. #145BB |
| ITEM NO. 6.23 XCC | FURNISH AND INSTALL 3" GALVANIZED STEEL 90-DEGREE BEND (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XCCE | FURNISH AND INSTALL 3" GALVANIZED STEEL 90-DEGREE BEND (WITH PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XDD | FURNISH AND INSTALL 4" GALVANIZED STEEL 90-DEGREE BEND (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XDDE | FURNISH AND INSTALL 4" GALVANIZED STEEL 90-DEGREE BEND (WITH PAVEMENT EXCAVATION) |

shall be a unit price for each type of conduit bend, single or double, with or without pavement excavation, as specified, and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install a two (2") or three (3") or four (4") inch bend, single or double in one trench, of eighteen (18") inch radius for fire alarm posts or poles at the locations shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not be limited to, excavation and backfilling, connections, and furnishing and installing all other items necessary to complete this work and doing all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(D) The contract prices bid for

| ITEM NO. 6.23 BCS | FURNISH AND INSTALL 3" P.V.C. CONDUIT, SCHEDULE 40, U.L. 651 (WITHOUT PAVEMENT EXCAVATION) |
|--------------------|--|
| ITEM NO. 6.23 BCSE | FURNISH AND INSTALL 3" P.V.C. CONDUIT, SCHEDULE 40,
U.L. 651 (WITH PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 BGS | FURNISH AND INSTALL 4" P.V.C. CONDUIT, SCHEDULE 40,
U.L. 651 (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 BGSE | FURNISH AND INSTALL 4" P.V.C. CONDUIT, SCHEDULE 40,
U.L. 651 (WITH PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 BGT | FURNISH AND INSTALL 2 – 4" P.V.C. CONDUITS, SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITHOUT PAVEMENT EXCAVATION, ONE ON TOP OF THE OTHER) |
| ITEM NO. 6.23 BGTE | FURNISH AND INSTALL 2 – 4" P.V.C. CONDUITS, SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITH PAVEMENT EXCAVATION, ONE ON TOP OF THE OTHER) |

| ITEM NO. 6.23 CC | FURNISH AND INSTALL 2 – 3" P.V.C. CONDUITS, SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITHOUT PAVEMENT EXCAVATION, ONE ON TOP OF THE OTHER) |
|-------------------|--|
| ITEM NO. 6.23 CCE | FURNISH AND INSTALL 2 – 3" P.V.C. CONDUITS, SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITH PAVEMENT EXCAVATION, ONE ON TOP OF THE OTHER) |
| ITEM NO. 6.23 XB | FURNISH AND INSTALL 2" STEEL GALVANIZED CONDUIT (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XBE | FURNISH AND INSTALL 2" STEEL GALVANIZED CONDUIT (WITH PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XC | FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XCE | FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT (WITH PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XD | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT (WITHOUT PAVEMENT EXCAVATION) |
| ITEM NO. 6.23 XDE | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT (WITH PAVEMENT EXCAVATION) |

shall be a unit price per linear foot for each size and kind of fire communication conduit and forty-eight (48") inch radius bends, single or double, with or without pavement excavation, as specified, and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install the fire communication conduit (single or double in one trench) of the sizes and kind (P.V.C. or Galvanized Steel) specified, to the lines and grades and at the locations shown or as directed, with or without pavement excavation, as specified, of all materials of whatever nature encountered (except excavation of boulders in open cut and ledge rock). Said work shall also include, but not limited to, concrete cradles and encasements as required; all sheeting and bracing; pumping; bridging, decking; removal or abandonment, as required, of parts of the existing Fire Communications System; breaking down and filling in of abandoned fire appurtenances; furnishing and installing select granular fill material for backfill; backfilling; compaction; cleaning up; temporary restoration of street surfaces; installation and removal of temporary fire alarm communication facilities, if required; connections; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(E) The contract prices bid for

| ITEM NO. 6.23 BD | FURNISH AND INSTALL 4-PAIR FIRE ALARM CABLE |
|-------------------|--|
| ITEM NO. 6.23 DC | FURNISH AND INSTALL 10 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DDA | FURNISH AND INSTALL 15 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DDB | FURNISH AND INSTALL 20 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DDC | FURNISH AND INSTALL 25 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DDD | FURNISH AND INSTALL 30 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DDE | FURNISH AND INSTALL 40 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DF | FURNISH AND INSTALL 45 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DG | FURNISH AND INSTALL 50 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DH | FURNISH AND INSTALL 55 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 DJ | FURNISH AND INSTALL 60 PAIR FIRE ALARM CABLE |

shall be a unit price per linear foot for each size and type of fire alarm cable, and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install the fire alarm cable of the sizes and at the locations shown or as directed. Said work shall also include, but not be limited to, the cost of splices as required; cutting existing conduit, if required; protection and maintenance of the system for the duration of the guarantee period as required; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(F) The contract prices bid for

| ITEM NO. 6.23 BE | FURNISH AND INSTALL FIRE DEPARTMENT MANHOLE TYPE "A" WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #140, |
|-------------------|---|
| ITEM NO. 6.23 BES | #144, & #144E FURNISH AND INSTALL FIRE DEPARTMENT SLOTTED MANHOLE TYPE "A" WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. |
| ITEM NO. 6.23 EB | #140, #144S & #144E FURNISH AND INSTALL FIRE DEPARTMENT MANHOLE TYPE "B" WITH FRAME & COVER IN ACCORDANCE WITH F.D. STD. DWG. #140, #144, |
| ITEM NO. 6.23 HH | #144C, #144CC, & #144E
FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE WITH FRAME
AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #144B OR #144E |
| ITEM NO. 6.23 HHA | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE WITH FRAME
AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #143 |
| ITEM NO. 6.23 HHS | FURNISH AND INSTALL F.D.N.Y. SIDEWALK SLOTTED HANDHOLE WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #144E OR #144BS |

shall be a unit price for each type manhole or sidewalk handhole and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install the Fire Department manhole with frame and cover or sidewalk handhole with frame and cover, as specified, at the locations shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not limited to, excavation of all materials of whatever nature encountered (except excavation of boulders in open cut and ledge rock); reinforcement; all sheeting and bracing; pumping; bridging, decking; removal or abandonment, as required of parts of the existing Fire Communications System; breaking down and filling in of abandoned fire appurtenances; backfill; compaction; cleaning up; temporary restoration of street surfaces; installation and removal of temporary fire alarm communication facilities, if required; connections; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(G) The contract prices bid for

| ITEM NO. 6.23 BFA | FURNISH AND INSTALL FIRE DEPARTMENT 48 WIRE TERMINAL BOX |
|-------------------|--|
| | AND TERMINATE FIRE ALARM CABLES |
| ITEM NO. 6.23 BFB | FURNISH AND INSTALL FIRE DEPARTMENT 24 WIRE TERMINAL BOX |
| | AND TERMINATE FIRE ALARM CABLES |
| ITEM NO. 6.23 BFC | FURNISH AND INSTALL FIRE DEPARTMENT 12 WIRE TERMINAL BOX |
| | AND TERMINATE FIRE ALARM CABLES |

shall be a unit price bid for each type cable terminal box and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install the cable terminal box of the type and at the locations shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not be limited to, connections, cable terminations, and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(H) The contract price bid for

| ITEM NO. 6.23 BGB | FURNISH AND INSTALL 4" PVC CONDUIT TO 4" GALVANIZED STEEL |
|--------------------|---|
| | BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 |
| ITEM NO. 6.23 BGD | FURNISH AND INSTALL 3" PVC CONDUIT TO 3" GALVANIZED STEEL |
| | BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 |
| ITEM NO. 6.23 BGR | FURNISH AND INSTALL 4" PVC CONDUIT TO 2" GALVANIZED STEEL |
| | REDUCER BUSHING AS SHOWN IN F.D. STD. DWG. #145AA |
| ITEM NO. 6.23 BGRA | FURNISH AND INSTALL 4" PVC CONDUIT TO 3" GALVANIZED STEEL |
| | REDUCER BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 |

cut and ledge rock); reinforcement; removal or abandonment, as required of parts of the existing Fire Communications System; breaking down and filling in of abandoned fire appurtenances; backfill; compaction; cleaning up; temporary restoration of street surfaces; installation and removal of temporary fire alarm communication facilities, if required; connections; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(L) The contract prices bid for

ITEM NO. 6.23 RH

REMOVE EXISTING F.D.N.Y. SIDEWALK HANDHOLE

ITEM NO. 6.23 RM

REMOVE EXISTING F.D.N.Y. MANHOLE

shall be a unit price for each manhole or sidewalk handhole and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to remove an existing Fire Department manhole or sidewalk handhole, as specified, at the location shown or as directed. Said work shall also include, but not limited to, the removal or abandonment of an existing F.D.N.Y. manhole or sidewalk handhole; breaking down and filling in of abandoned fire appurtenances; furnishing and installing backfill; compaction; cleaning up; temporary restoration of street surfaces, if required; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(M) The contract prices bid for

| ITEM NO. 6.23 RIC | RODDING AND INSTALLING FIRE ALARM CABLE IN EXISTING |
|----------------------|---|
| ITEM NO. 6.23 RICA | I ELEPHONE CONDUIT SYSTEM |
| 11 EW 140. 0.23 RICA | ROD AND ROPE CONDUIT AND INSTALL 4 PAIR FIRE ALARM CABLE IN |
| ITEM NO. 6.23 RICB | EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM ROD AND ROPE CONDUIT AND INSTALL 10 PAIR FIRE ALARM CABLE |
| ITEMANO O OO DIGO | IN EAISTING VERIZON OR FIRE DEPARTMENT CONDUIT EVETER |
| ITEM NO. 6.23 RICC | ROD AND ROPE CONDUIT AND INSTALL 15 PAIR FIRE ALARM CARLE |
| ITEM NO. 6.23 RICD | IN EAISTING VERIZON OR FIRE DEPARTMENT CONDITIE SYSTEM |
| | ROD AND ROPE CONDUIT AND INSTALL 20 PAIR FIRE ALARM CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICE | ROD AND ROPE CONDUIT AND INSTALL 25 PAIR FIRE ALARM CARLE |
| ITEM NO. 6.23 RICF | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDITT SYSTEM |
| | ROD AND ROPE CONDUIT AND INSTALL 30 PAIR FIRE ALARM CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| ITEM NO. 6.23 RICG | ROD AND ROPE CONDUIT AND INSTALL 40 PAIR FIRE ALADM CARLE |
| ITEM NO. 6.23 RICH | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM |
| 11 EM 140. 0.23 NICH | ROD AND ROPE CONDUIT AND INSTALL 45 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 RICI | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM ROD AND ROPE CONDUIT AND INSTALL 50 PAIR FIRE ALARM CABLE |
| ITEM NO. 6.23 RICJ | IN EARLING VERIZON OR FIRE DEPARTMENT CONDITIT SYSTEM |
| TIEWINO. 6.23 RICJ | ROD AND ROPE CONDUIT AND INSTALL 55 DAID FIDE ALADM CARLE |
| ITEM NO. 6.23 RICK | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT SYSTEM ROD AND ROPE CONDUIT AND INSTALL 60 PAIR FIRE ALARM CABLE |
| ITEM NO. 0 00 DD | IN EXISTING VERIZON OR FIRE DEPARTMENT CONDUIT EVETEM |
| ITEM NO. 6.23 RR | ROD AND ROPE EXISTING CONDUIT |
| ITEM NO. 6.23 XY | FURNISH AND INSTALL POLYPROPYLENE DRAG ROPE |
| | |

shall be a unit price per linear foot for drag rope with or without rodding, or cable with rodding and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install drag rope of the type specified at the locations shown or as directed and as shown on the Fire Department Standards, including furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

FURNISH AND INSTALL 3" PVC CONDUIT TO 2" GALVANIZED STEEL ITEM NO. 6.23 BGRC

REDUCER BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 FURNISH AND INSTALL 3" PVC CONDUIT TO 4" GALVANIZED STEEL

ITEM NO. 6.23 BGRE REDUCER BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146

shall be a unit price bid for each reducer and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install a bushing of the type specified and at the location shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not be limited to, furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

The contract price bid for **(I)**

FURNISH AND INSTALL FIRE ALARM PEDESTAL BUMPERS (2 **ITEM NO. 6.23 BP** REQUIRED PER SET) IN ACCORDANCE WITH F.D. STD. DWG. #168

shall be a unit price for each set of bumpers (2 required per set) and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install bumpers at the locations shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not be limited to, excavation and backfill; furnishing and installing steel bar reinforcement and concrete; compaction; cleaning up; temporary restoration of sidewalk surfaces; painting; and furnishing and installing all other items necessary to complete this work; and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

The contract prices bid for (J)

REMOVE EXISTING F.D.N.Y. MANHOLE FRAME & COVER AND FURNISH **ITEM NO. 6.23 FC**

AND INSTALL F.D.N.Y. FRAME & COVER IN ACCORDANCE WITH F.D.

STD. DWG. #140

REMOVE EXISTING F.D.N.Y. SIDEWALK HANDHOLE FRAME & COVER ITEM NO. 6.23 HFC

AND FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE FRAME &

COVER IN ACCORDANCE WITH F.D. STD. DWG. #143 OR #144B

shall be a unit price for each and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to remove existing F.D.N.Y. manhole frame and cover or sidewalk handhole frame & cover and furnish and install manhole frame and cover or sidewalk handhole frame & cover, at the locations shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not be limited to, furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

The contract prices bid for (K)

FURNISH AND INSTALL F.D.N.Y. MANHOLE FRAME & COVER IN ITEM NO. 6.23 FCA

ACCORDANCE WITH F.D. STD. DWG. #140

FURNISH AND INSTALL F.D.N.Y. MANHOLE COVER IN ACCORDANCE ITEM NO. 6.23 FCB

WITH F.D. STD. DWG. #140

FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE COVER IN **ITEM NO. 6.23 HC**

ACCORDANCE WITH F.D. STD. DWG. #143 OR #144B

FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE FRAME AND ITEM NO. 6.23 HFCA COVER IN ACCORDANCE WITH F.D. STD. DWG. #143 OR #144B

shall be a unit price bid for each type and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install the Fire Department manhole frame and/or cover or furnish and install sidewalk handhole fame and/or cover, at the location shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not be limited to, the excavation of all materials of whatever nature encountered (except excavation of boulders in open

(N) The contract prices bid for

| ITEM NO. 6.23 XAPE | FURNISH AND INSTALL 1/2" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING #145AA |
|--------------------|---|
| ITEM NO. 6.23 XBPE | FURNISH AND INSTALL 2" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING #145AA |
| ITEM NO. 6.23 XCPE | FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING #145AA OR #146 |
| ITEM NO. 6.23 XDPE | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING #145AA OR #146 |

shall be a unit price for each type of conduit pole riser and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install each type of pole riser at the location shown or as directed and as shown on the Fire Department Standards. Said work shall also include, but not be limited to, connections, and furnishing and installing all other items necessary to complete this work and doing all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(O) The contract price bid for

| ITEM NO. 6.23 MW | FURNISH AND INSTALL 5/16 INCH 7 STRAND GALVANIZED STEEL |
|------------------|---|
| | MESSENGER WIRE AND APPURTENANCES |

shall be a unit price per linear foot for each size and type of steel messenger wire, and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to furnish and install the fire alarm messager wire of the size and type specified at the locations shown or as directed and as shown on the Fire Department Standards including, but not limited to, furnishing and installing approved galvanized clamps and other appurtenances as may be required, to complete this work and do all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

(P) The contract price bid for

ITEM NO. 6.23 PP PAINT EXISTING FIRE ALARM POST AND/OR HOUSING

shall be a unit price for each fire alarm post and/or box and shall cover the cost of all labor, materials, plant, equipment, insurance, samples, and tests required and necessary to paint existing fire alarm posts and/or boxes as directed and doing all work incidental thereto, all in accordance with the Contract Drawings, Specifications and Standards, and as directed by the Engineer.

Payment will be made under:

| Item No. | Item | Pay Unit |
|----------|--|----------|
| 6.23 AA | FURNISH AND INSTALL FIRE ALARM POST IN ACCORDANCE WITH F.D. STD. DWG. #141 | EACH |
| 6.23 AB | | |
| | REMOVE EXISTING FIRE ALARM POST | EACH |
| 6.23 AC | ADJUST FIRE ALARM POST TO NEW GRADE IN ACCORDANCE WITH F.D. STD. DWG. #167 | = |
| 6.23 AF | FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL (CHIPPY)BOX IN ACCORDANCE WITH FIRE DEPARTMENT | EACH |
| | STANDARD DRAWING #145AA | EACH |

| 6.23 AFA | FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL (CHIPPY) BOX IN ACCORDANCE WITH FIRE DEPARTMENT STANDARD DRAWING #145AA WITHOUT TERMINATING | |
|------------|---|-------|
| | CABLES | EACH |
| 6.23 BA | FURNISH AND INSTALL FIRE ALARM POST AND SUBBASE IN ACCORDANCE WITH F.D. STD. DWG. #141 | EACH |
| 6.23 BBS | FURNISH AND INSTALL 3" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE 40, U.L. 651 (WITHOUT PAVEMENT EXCAVATION) | |
| 6.23 BBSE | IN ACCORDANCE WITH F.D. STD. DWG. #141 FURNISH AND INSTALL 3" 90 DEGREE P.V.C. WIDE BEND, SCHEDULE 40, U.L. 651 (WITH PAVEMENT EXCAVATION) | EACH |
| | IN ACCORDANCE WITH F.D. STD. DWG. #141 | EACH |
| 6.23 BCS | FURNISH ANC INSTALL 3" P.V.C. CONDUIT, SCHEDULE 40, U.L. 651 (WITHOUT PAVEMENT EXCAVATION) | L.F. |
| 6.23 BCSE | FURNISH AND INSTALL 3" P.V.C. CONDUIT, SCHEDULE 40, | L.F. |
| | U.L. 651 (WITH PAVEMENT EXCAVATION) | L.F. |
| 6.23 BD | FURNISH AND INSTALL 4-PAIR FIRE ALARM CABLE FURNISH AND INSTALL FIRE DEPARTMENT MANHOLE TYPE "A" | L.F. |
| 6.23 BE | WITH FRAME AND COVER IN ACCORDANCE WITH F.D. STD. | |
| | DWG. #140. #144. & #144E | EACH |
| 6.23 BES | FURNISH AND INSTALL FIRE DEPARTMENT SLOTTED MANHOLE | |
| | TYPE "A" WITH FRAME AND COVER IN ACCORDANCE WITH | EACH |
| | F.D. STD. DWG. #140, #144S & #144E
FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL | EACH |
| 6.23 BF | (HOFFMAN) BOX IN ACCORDANCE WITH FIRE DEPARTMENT | |
| | STANDARD DRAWING #146 | EACH |
| 6.23 BFA | FURNISH AND INSTALL FIRE DEPARTMENT 48 WIRE TERMINAL | |
| 0.20 DI 7 | BOX AND TERMINATE FIRE ALARM CABLES | EACH |
| 6.23 BFB | FURNISH AND INSTALL FIRE DEPARTMENT 24 WIRE TERMINAL | |
| | BOX AND TERMINATE FIRE ALARM CABLES | EACH |
| 6.23 BFC | FURNISH AND INSTALL FIRE DEPARTMENT 12 WIRE TERMINAL | EACH |
| 0 00 DEE | BOX AND TERMINATE FIRE ALARM CABLES FURNISH AND INSTALL FIRE DEPARTMENT POLE TERMINAL | LACIT |
| 6.23 BFE | (HOFFMAN) BOX IN ACCORDANCE WITH FIRE DEPARTMENT | |
| • | STANDARD DRAWING #146 WITHOUT TERMINATING CABLES | EACH |
| 6.23 BGB | FURNISH AND INSTALL 4" PVC CONDUIT TO 4" GALVANIZED | |
| 0.20 000 | STEEL BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 | EACH |
| 6.23 BGD | FURNISH AND INSTALL 3" PVC CONDUIT TO 3" GALVANIZED | |
| | STEEL BUSHING AS SHOWN IN F.D. STD. DWG. #145AA OR 146 | EACH |
| 6.23 BGR | FURNISH AND INSTALL 4" PVC CONDUIT TO 2" GALVANIZED | |
| | STEEL REDUCER BUSHING AS SHOWN IN F.D. STD. | EACH |
| 0.00 0.00 | DWG. #145AA
FURNISH AND INSTALL 4" PVC CONDUIT TO 3" GALVANIZED | LAOIT |
| 6.23 BGRA | STEEL REDUCER BUSHING AS SHOWN IN F.D. STD. | |
| | DWG. #145AA OR 146 | EACH |
| 6.23 BGRC | FURNISH AND INSTALL 3" PVC CONDUIT TO 2" GALVANIZED | |
| 0.20 20.10 | STEEL REDUCER BUSHING AS SHOWN IN F.D. STD. | |
| | DWG. #145AA OR 146 | EACH |
| 6.23 BGRE | FURNISH AND INSTALL 3" PVC CONDUIT TO 4" GALVANIZED | |
| | STEEL REDUCER BUSHING AS SHOWN IN F.D. STD. | EACH |
| 0.00.000 | DWG. #145AA OR 146
FURNISH AND INSTALL 4" P.V.C. CONDUIT, SCHEDULE 40, | LACIT |
| 6.23 BGS | U.L. 651 (WITHOUT PAVEMENT EXCAVATION) | L.F. |
| 6.23 BGSE | FURNISH AND INSTALL 4" P.V.C. CONDUIT, SCHEDULE 40, | |
| 0.20 DGOL | U.L. 651 (WITH PAVEMENT EXCAVATION) | L.F. |
| 6.23 BGT | FURNISH AND INSTALL 2 – 4" P.V.C. CONDUITS, SCHEDULE 40, | |
| | U.L. 651 IN ONE TRENCH (WITHOUT PAVEMENT EXCAVATION, | |
| | ONE ON TOP OF THE OTHER) | L.F. |
| | | |

| 6.23 BGTE | FURNISH AND INSTALL 2 – 4" P.V.C. CONDUITS, SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITH PAVEMENT EXCAVATION, | |
|---------------------|---|--------------|
| 6.23 BH | ONE ON TOP OF THE OTHER) FURNISH AND INSTALL 4" 90 DEGREE P.V.C. WIDE BEND | L.F. |
| | SCHEDULE 40, U.L. 651 (WITHOUT PAVEMENT EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 OR #145AA | FAOLL |
| 6.23 BHE | FURNISH AND INSTALL 4" 90 DEGREE P.V.C. WIDE BEND | EACH |
| | SCHEDULE 40, U.L. 651 (WITH PAVEMENT FXCAVATION) | |
| 6.23 BP | IN ACCORDANCE WITH F.D. STD. DWG. #141 OR #145AA
FURNISH AND INSTALL FIRE ALARM PEDESTAL BUMPERS | EACH |
| | (2 REQUIRED PER SET) IN ACCORDANCE WITH F.D. STD | |
| 6.23 CB | DWG. #168 | SETS |
| 0.23 CB | FURNISH AND INSTALL 2 – 3" 90 DEGREE P.V.C. WIDE BENDS, SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITHOUT PAVEMENT | |
| | EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 | EACH |
| 6.23 CBE | FURNISH AND INSTALL 2 – 3" 90 DEGREE P.V.C. WIDE BENDS | LACH |
| | SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITH PAVEMENT | |
| 6.23 CC | EXCAVATION) IN ACCORDANCE WITH F.D. STD. DWG. #141 | EACH |
| 0.20 00 | FURNISH AND INSTALL 2 – 3" P.V.C. CONDUITS, SCHEDULE 40, U.L. 651 IN ONE TRENCH (WITHOUT PAVEMENT EXCAVATION, | |
| | ONE ON TOP OF THE OTHER) | L.F. |
| 6.23 CCE | FURNISH AND INSTALL 2 - 3" P.V.C. CONDUITS, SCHEDULE 40, | hand . |
| | U.L. 651 IN ONE TRENCH (WITH PAVEMENT EXCAVATION | |
| 6.23 DC | ONE ON TOP OF THE OTHER) FURNISH AND INSTALL 10 PAIR FIRE ALARM CABLE | L.F. |
| 6.23 DDA | FURNISH AND INSTALL 15 PAIR FIRE ALARM CABLE | L.F. |
| 6.23 DDB | FURNISH AND INSTALL 20 PAIR FIRE ALARM CABLE | L.F.
L.F. |
| 6.23 DDC | FURNISH AND INSTALL 25 PAIR FIRE ALARM CABLE | L.F. |
| 6.23 DDD | FURNISH AND INSTALL 30 PAIR FIRE ALARM CABLE | L.F. |
| 6.23 DDE
6.23 DF | FURNISH AND INSTALL 40 PAIR FIRE ALARM CABLE | L.F. |
| 6.23 DG | FURNISH AND INSTALL 45 PAIR FIRE ALARM CABLE
FURNISH AND INSTALL 50 PAIR FIRE ALARM CABLE | L.F. |
| 6.23 DH | FURNISH AND INSTALL 55 PAIR FIRE ALARM CABLE | L.F. |
| 6.23 DJ | FURNISH AND INSTALL 60 PAIR FIRE ALARM CABLE | L.F.
L.F. |
| 6.23 EB | FURNISH AND INSTALL FIRE DEPARTMENT MANHOLF TYPE "B" | last . |
| | WITH FRAME & COVER IN ACCORDANCE WITH | |
| 6.23 FC | F.D. STD. DWG. #140, #144, #144C, #144CC, & #144E | EACH |
| 0.2010 | REMOVE EXISTING F.D.N.Y. MANHOLE FRAME & COVER AND FURNISH AND INSTALL F.D.N.Y. FRAME & COVER | |
| | IN ACCORDANCE WITH F.D. STD. DWG. #140 | EACH |
| 6.23 FCA | FURNISH AND INSTALL F.D.N.Y. MANHOLE FRAME & COVER | EACH |
| 6 22 ECB | IN ACCORDANCE WITH F.D. STD. DWG. #140 | EACH |
| 6.23 FCB | FURNISH AND INSTALL F.D.N.Y. MANHOLE COVER IN ACCORDANCE WITH F.D. STD. DWG. #140 | |
| 6.23 HC | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE COVER | EACH |
| | IN ACCORDANCE WITH F.D. STD. DWG. #143 AND #144B | EACH |
| 6.23 HFC | REMOVE EXISTING F.D.N.Y. SIDEWALK HANDHOLE FRAME & | LACH |
| | COVER AND FURNISH AND INSTALL F.D.N.Y. SIDEWALK | |
| | HANDHOLE FRAME & COVER IN ACCORDANCE WITH F.D. STD. DWG. #143 & #144B | |
| 6.23 HFCA | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE | EACH |
| | FRAME AND COVER IN ACCORDANCE WITH F.D. STD. | |
| | DWG. #143 AND #144B | EACH |
| 6.23 HH | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE WITH | _, |
| | FRAME AND COVER IN ACCORDANCE WITH F.D. STD. DWG. #143, #144B, & #144E | _ |
| 6.23 HHA | FURNISH AND INSTALL F.D.N.Y. SIDEWALK HANDHOLE WITH | EACH |
| - | FRAME AND COVER IN ACCORDANCE WITH F.D. STD | |
| | DWG. #143 | EACH |
| | | |

| 6.23 HHS | FURNISH AND INSTALL F.D.N.Y. SIDEWALK SLOTTED HANDHOLE WITH FRAME AND COVER IN ACCORDANCE | |
|-------------|---|---------------|
| | WITH F.D. STD. DWG. #144E & #144BS | EACH |
| 6.23 MW | FURNISH AND INSTALL 5/16 INCH 7 STRAND GALVANIZED STEEL | |
| | MESSENGER WIRE AND APPURTENANCES | L.F.
EACH |
| 6.23 PP | PAINT EXISTING FIRE ALARM POST AND/OR HOUSING | EACH |
| 6.23 RH | REMOVE EXISTING F.D.N.Y. SIDEWALK HANDHOLE
RODDING AND INSTALLING FIRE ALARM CABLE IN EXISTING | L/ (O/) |
| 6.23 RIC | TELEPHONE CONDUIT SYSTEM | L.F. |
| 0 00 DICA | ROD AND ROPE CONDUIT AND INSTALL 4 PAIR FIRE ALARM | |
| 6.23 RICA | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | |
| | CONDUIT SYSTEM | L.F. |
| 6.23 RICB | ROD AND ROPE CONDUIT AND INSTALL 10 PAIR FIRE ALARM | |
| 0.2011102 | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | |
| | CONDUIT SYSTEM | L.F. |
| 6.23 RICC | ROD AND ROPE CONDUIT AND INSTALL 15 PAIR FIRE ALARM | |
| | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | L.F. |
| | CONDUIT SYSTEM | L.F. |
| 6.23 RICD | ROD AND ROPE CONDUIT AND INSTALL 20 PAIR FIRE ALARM | |
| | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | L.F. |
| | CONDUIT SYSTEM
ROD AND ROPE CONDUIT AND INSTALL 25 PAIR FIRE ALARM | |
| 6.23 RICE | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | |
| | CONDUIT SYSTEM | L.F. |
| 6.23 RICF | ROD AND ROPE CONDUIT AND INSTALL 30 PAIR FIRE ALARM | |
| 0.23 NICE | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | |
| | CONDUIT SYSTEM | L.F. |
| 6.23 RICG | ROD AND ROPE CONDUIT AND INSTALL 40 PAIR FIRE ALARM | |
| 0.20 | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | |
| | CONDUIT SYSTEM | L.F. |
| 6.23 RICH | ROD AND ROPE CONDUIT AND INSTALL 45 PAIR FIRE ALARM | |
| | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | L.F. |
| | CONDUIT SYSTEM | L. 1 . |
| 6.23 RICI | ROD AND ROPE CONDUIT AND INSTALL 50 PAIR FIRE ALARM CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | |
| ** | CONDUIT SYSTEM | L.F. |
| 6.23 RICJ | ROD AND ROPE CONDUIT AND INSTALL 55 PAIR FIRE ALARM | |
| 6.23 RICJ | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | |
| | CONDUIT SYSTEM | L.F. |
| 6.23 RICK | ROD AND ROPE CONDUIT AND INSTALL 60 PAIR FIRE ALARM | |
| 0.20 111011 | CABLE IN EXISTING VERIZON OR FIRE DEPARTMENT | |
| | CONDUIT SYSTEM | L.F. |
| 6.23 RM | REMOVE EXISTING F.D.N.Y. MANHOLE | EACH
L.F. |
| 6.23 RR | ROD AND ROPE EXISTING CONDUIT | L.F. |
| 6.23 XAPE | FURNISH AND INSTALL 1/2" GALVANIZED STEEL CONDUIT | |
| | POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT | EACH |
| | STANDARD DRAWING #145AA
FURNISH AND INSTALL 2" GALVANIZED STEEL CONDUIT | 2, (0 |
| 6.23 XB | (WITHOUT PAVEMENT EXCAVATION) | L.F. |
| 0.00 VDD | FURNISH AND INSTALL 2" GALVANIZED STEEL 90 DEGREE | |
| 6.23 XBB | BEND (WITHOUT PAVEMENT EXCAVATION) IN ACCORDANCE | |
| | WITH F.D. STD. DWG. #145BB | EACH |
| 6.23 XBBE | FURNISH AND INSTALL 2" GALVANIZED STEEL 90 DEGREE | |
| 0.20 /\002 | BEND (WITH PAVEMENT EXCAVATION) IN ACCORDANCE | 5 .0 |
| | WITH FID STD DWG. #145BB | EACH |
| 6.23 XBE | FURNISH AND INSTALL 2" GALVANIZED STEEL CONDUIT | |
| | (WITH PAVEMENT EXCAVATION) | L.F. |
| | | |

| 6.23 XBPE | FURNISH AND INSTALL 2" GALVANIZED STEEL CONDUIT POLE RISER IN ACCORDANCE WITH FIRE DEPARTMENT | • |
|-----------|---|----------|
| | STANDARD DRAWING #145AA | EACH |
| 6.23 XCPE | FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT POLE | 2.011 |
| | RISER IN ACCORDANCE WITH FIRE DEPARTMENT | |
| | STANDARD DRAWING #145AA OR #146 | EACH |
| 6.23 XDPE | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT POLE | |
| | RISER IN ACCORDANCE WITH FIRE DEPARTMENT | |
| | STANDARD DRAWING #145AA OR #146 | EACH |
| 6.23 XCC | FURNISH AND INSTALL 3" GALVANIZED STEEL 90-DEGREE | |
| 0.00 VOOF | BEND (WITHOUT PAVEMENT EXCAVATION) | EACH |
| 6.23 XCCE | FURNISH AND INSTALL 3" GALVANIZED STEEL 90-DEGREE | |
| 6 02 VD | BEND (WITH PAVEMENT EXCAVATION) | EACH |
| 6.23 XD | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT | |
| 6.23 XDD | (WITHOUT PAVEMENT EXCAVATION) | L.F. |
| 0.23 ADD | FURNISH AND INSTALL 4" GALVANIZED STEEL 90-DEGREE BEND (WITHOUT PAVEMENT EXCAVATION) | E4011 |
| 6.23 XDDE | FURNISH AND INSTALL 4" GALVANIZED STEEL 90-DEGREE | EACH |
| 0.23 ADDL | BEND (WITH PAVEMENT EXCAVATION) | EACH |
| 6.23 XDE | FURNISH AND INSTALL 4" GALVANIZED STEEL CONDUIT | EACH |
| | (WITH PAVEMENT EXCAVATION) | L.F. |
| 6.23 XC | FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT | L.I . |
| | (WITHOUT PAVEMENT EXCAVATION) | L.F. |
| 6.23 XCE | FURNISH AND INSTALL 3" GALVANIZED STEEL CONDUIT | - |
| | (WITH PAVEMENT EXCAVATION) | L.F. |
| 6.23 XY | FURNISH AND INSTALL POLYPROPYLENE DRAG ROPE | L.F. |
| | | |

SECTION 8.00 MT - Microtrenching

8.00MT.1. INTENT. This section describes Microtrenching.

8.00MT.2. DESCRIPTION. Microtrenching involves the placement of shallow depth microduct systems in street and sidewalk applications. This process includes the saw cutting of sidewalks and/or streets, installation of microduct systems and fiber optic wiring, restoration of sidewalks and/or streets and disposal of all unused debris. Locations of saw-cut can be from manhole (if necessary) in street to curb entrance; either at curb seam or below curb; and then in sidewalk expansion joint between flag and curb. All microduct systems must be placed at a minimum depth of 4" below sidewalk grade and 6" in depth below street grade locations. If manhole entrance is necessary the excavation to enter manhole system shall be the minimum required to gain entrance to said manhole.

8.00MT.3. GENERAL REQUIRMENTS.

(A) DISPOSAL OF MATERIALS

1. All materials that are not reused pursuant to Subsection 6.02.3 of the NYC Department of Transportation, Standard Highway Specifications shall be disposed of in compliance with the applicable requirements of **Sections 1.06.47 and 1.06.48** in General Conditions.

(B) EXPOSED STRUCTURES TO BE PROTECTED

1. All exposed sewers, manholes, receiving basins, water mains and other hardware and structures shall be carefully protected.

8.00MT.4. MICROTRENCHING CONSTRUCTION METHODS.

All trenching/excavations shall be carried to the required depths in such a manner as to produce a pathway that produces an undisturbed subgrade and allows for standard restoration.

- 1. Cutting expansion joints in Sidewalks: Expansion joints shall be cut using a wet-cut methodology to reduce damage to adjacent sidewalk flags. All cuts shall be approximately 1" wide to approximately 9"-12" in depth to allow for the microduct system to be placed at a minimum of 4" below sidewalk grade. The depth of the cut will depend upon the depth of the existing flags, pathway required and existing sidewalk furniture and fixtures (including but not limited to tree pits, roots, parking meters, mailboxes, bike racks, etc.).
- 2. Sidewalk flags and placement of utility handholes and/or grade-level boxes: All handholes/grade-level boxes shall be centered in a sidewalk flag. This flag will be removed in whole, sub-grade access placed and sidewalk flag restored. At no time will handhole or grade-level box be in the corner of a sidewalk flag to ensure concrete integrity of the flag. In the event of the removal of a sidewalk flag, the flag should be removed in its entirety and replaced in accordance with all applicable sidewalk restoration rules and regulations.
 - a. All handholes and/or grade-level boxes must meet weight bearing requirements for the application and comply with ANSI / SCTE 77 2007:

| Application | | Loading Requ | irements | |
|--|--|----------------|-------------|----------------|
| | Design Load | Test Load w/ | Design Load | Test Load w/ |
| | (lbs) | F.S. 1.5 (lbs) | (psf) | F.S. 1.5 (psf) |
| Tier 5 – Sidewalk applications with a safety factor for occasional non-deliberate vehicular traffic | 5,000 | 7,500 | 600 | 900 |
| Tier 8 – Sidewalk applications with a safety factor for non-deliberate vehicular traffic | 8,000 | 12,000 | 600 | 900 |
| Tier 15 – Driveway, parking lot, and off roadway applications subject to occasional non-deliberate heavy vehicular traffic | 15,000 | 22,500 | 800 | 1,200 |
| Tier 22 – Driveway, parking lot and off roadway applications subject to occasional non-deliberate heavy vehicular traffic | 22,500 | 33,750 | 800 | 1,200 |
| AASHTO H-20 - Deliberate vehicular traffic applications | Certified pre-cast concrete, cast iron, or AASHTO recognized materials | | | |

- b. Minimum handhole size is 17"x30"x24"
- c. Grade-level Box minimum size is 3'x5'x3'
- d. All handholes/grade-level boxes must be composite to negate slippage due to environmental factors
- 3. Manhole entrance: Manholes are generally located within the street/vehicular pathway. Access to any manhole shall be kept to a minimum to gain entrance for microduct pathway, unless other obstructions exist which would make it necessary to continue the pathway in the roadway. Entrances to manhole shall be via pit directly adjacent to manhole and in direct line with pathway direction to minimize vehicular and pedestrian impact. All manhole related activities shall be performed in accordance with applicable rules and regulations.
- 4. Duct pathway placement: All microducts shall be placed vertically into the saw-cut trench, and the microduct should always be covered with requisite backfill material

8.00MT.5. RESTORATION.

- 1. Sidewalk expansion joint restoration:
 - a. Sidewalk expansion joints are to be restored using only NYC DOT approved materials. All expansion joints shall be recessed 1/2" below finished sidewalk surface and sealed with sealer, on an approved bond breaker, as soon as practical.

- b. All expansion joints shall be sealed with a sealant meeting ASTM C 920, Type M, Grade P, Class 25, Use T₁, and color to match to that of the adjacent sidewalk. The sealant shall be a rapid-setting, polyurethane-based joint sealant and shall be a self-leveling compound that provides for elongation. The sealant should be applied to avoid spillage onto sidewalk surface area.
 - i. Joints are to be recessed 1/2" with the finished surface.
 - ii. Joints should not be sealed during inclement weather.
 - iii. Application of sealant shall be as per the manufacturer's written instructions.

2. Sidewalk flag restoration:

- a. Any flags that need to be restored must be done according the NYC DOT specifications as outlined in the Standard Highway Specifications Volumes I and II, latest version and as currently amended.
- b. Any flags that are below the standards set forth in NYC DOT specifications as outlined in the Standard Highway Specifications, Volumes I and II, and are directly adjacent to the original flag being replaced shall be replaced in accordance with Section 2(a) above.

3. Street/Asphalt restoration:

a. All street/asphalt restoration must be done according to the NYC DOT specifications Section 2.22, Type 1 – Hot poured sealer as outlined in the Standard Highway Specifications Volumes I and II, latest version and as currently amended. Joints are to be finished flush with the pavement.

4. Street/Concrete restoration:

a. All street/concrete pavement restoration shall be done in accordance with the requirements for sidewalk expansion joint restoration, above.

END OF SECTION

ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

Together With All Work Incidental Thereto

BOROUGH OF QUEENS

ADDENDUM NO. 2

DATED: June 23, 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

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, 3rd 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. 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.

(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 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.

(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.
- (12)The Contractor shall exercise extreme caution and take all necessary precautions in placing sheeting and excavating to prevent any damage to the existing NYC TRANSIT'S subway structures and its appurtenances during construction work throughout the project area. The Contractor shall take full responsibility to protect the said NYC TRANSIT'S subway structures and its appurtenances and any damage caused by the Contractor's operations shall be made good by the Contractor to the satisfaction of the Engineer at no additional cost to the City.
- (13)The Contractor shall submit shop drawings to NYC Transit Authority showing all the details and methods of construction, such as, sheeting and bracing, including the Contractor's procedure and sequence of construction, supporting and/or protection of the existing TA's structures and its appurtenances, with necessary design calculations for approval prior to starting of the construction. The design shall be made by a New York State Licensed Professional Engineer skilled in this type of construction and as further evidenced by the imprint of Professional Engineer's seal and signature on all drawings. The cost of this work shall be deemed included in the price bid for all items of work under this contract.
- (14)The Contractor is notified that the 12-inch steel water main in 31st Street and 33rd Street, both crossing over the RFK Bridge approach for approximately 130 feet each as shown on the contract drawings, shall be lined in accordance with Section 60.41 Reconstruction of Existing Water Main Using DEP Aprroved Cured-in-Place-Pipe (CIPP) Lining Method which is made part of this Addendum.

B. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS

(NO TEXT)

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) 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.

(3) 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. Aubrey Makhanlall at (718) 977-8138.

(4) 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. Mark Larm at (917) 335-9181.

(2) Refer to Subsection 10.21 - Contractor To Notify City Departments, Page I-13: Add the following to Subsection 10.21:

(1) N.Y.C. D.E.P., BUREAU OF WATER AND SEWERS OPERATIONS

The Contractor shall notify Mr. Edward Coleman, P.E., Assistant Commissioner, Engineering and Planning 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) 281-3933.

(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

(a) The Contractor shall notify Outside Projects at least seven (7) days prior to the start of construction.

The Contractor shall contact:

Mr. Mohamed Adam, P.E.
Project Engineer-Outside Projects
New York City Transit
2 Broadway, 7th Floor
New York, N.Y. 10004
Attention Ms. Alina Avadanei
Telephone No. (646) 252-3641

(b) The Contractor is advised that bus routes as well as bus stops, within the scope of this project may be affected during construction operations. The Contractor shall notify the Transit Authority at least two (2) weeks prior to the start of construction, in order to make the necessary arrangements as required under the NYC TRANSIT GENERAL NOTES included in Section 10.25, paragraph (A), Section 10.25 paragraph (B), and Section 10.25 paragraph (C) of this addendum.

Arrangements shall be made through:

Ms. Sarah Wyss
Director Of Short Range, Bus Service Planning (SRB)
New York City Transit
2 Broadway, 17th Floor
New York, N.Y. 10004
Telephone No. (646) 252-5517
sarah.wyss@nyct.com

- (c) In addition, the Contractor is advised that construction operations might affect subway lines and stations; and NYCT facilities (i.e. manholes, ducts, etc.). The Contractor shall notify the Transit Authority as required and specified in Section 10.25 paragraph (A), Section 10.25 paragraph (B), and Section 10.25 paragraph (C) of this addendum.
- (3) Refer to Subsection 10.25 Contractor To Carry Out Agreement Between City And Railroad Company Or Property Owner(s), Page I-14:

 Add the following to Subsection 10.25:
 - (A) NYC TRANSIT GENERAL NOTES

For NYC TRANSIT notes see the contract drawings.

(B) NYC TRANSIT INSURANCE REQUIREMENTS

N.Y.C. TRANSIT INSURANCE: The Contractor (Permittee) shall indemnify and save harmless the City of New York and the New York City Transit (Permittor) in accordance with the following "Insurance Requirements" and proof that the necessary insurance is in effect will be required before work can commence:

NYCT "OUTSIDE CONTRACT" INSURANCE REQUIREMENTS

(1) The Permittee at its sole cost and expense shall carry or cause to carried and shall maintain at all times during the period of performance under this Agreement policies of insurance as herein below set forth below:

(A) Workers' Compensation Insurance - (including Employer's Liability Insurance) with limits as specified in Schedule "A", which limit may be met by a combination of primary and excess insurance meeting the statutory limits of New York State. The policy shall be endorsed to include Longshoreman's and Harbor Workers' Compensation Act/Maritime Coverage Endorsement and/or Jones Act Endorsement when applicable.

(B) Commercial General Liability Insurance - (I.S.O. 2001 Form or equivalent) approved by Permittor in the Permittee's name with limits of liability as specified in Schedule "A" for each occurrence on a combined single limit basis for injuries to persons (including death) and damages to property. The limits may be provided in the form of a primary policy or combination of primary and umbrella/excess policy. When the minimum contract amounts can only be met when applying the umbrella/excess policy; the Umbrella/Excess Policy must follow form of the underlying policy and be extended to "drop down" to become primary in the event primary limits are reduced or aggregate limits are exhausted. Such insurance shall be primary and non-contributory to any other valid and collectable insurance and must be exhausted before implicating any Permittor/MTA policy available.

Such policy should be written on an occurrence form; and shall include:

- Contractual coverage for liability assumed by the Permittee under this agreement;
- Personal and Advertising Injury Coverage;
- Products-Completed. Operations;
- Independent Contractors Coverage;
- "XCU" coverage (Explosion, Collapse, and Underground Hazards) where necessary;
- Contractual Liability Exclusion, applicable to construction or demolition operations to be performed within 50 feet of railroad tracks, must be voided, where necessary; and,
- Additional Insured Endorsement (I.S.O. Form CG 20 26 07/04 version or equivalent) approved the Permittor naming:

New York City Transit Authority (NYCTA), the Manhattan and Bronx Surface Transit Operating Authority (MaBSTOA), the Staten Island Rapid Transit Operating Authority (SIRTOA), MTA Capital Construction Co., the Metropolitan Transportation Authority (MTA) including its subsidiaries and affiliates, and the City of New York (as Owner).

- (C) <u>Business Automobile Liability Insurance Policy</u> (I.S.O. Form CA 00 01 10 01 or equivalent) approved by the Permittor is required if Permittee's vehicle enters Permittor property. The insurance must be in the name of the Permittee or its contractor entering the Permittor property with limits of liability in the amount specified in Schedule "A" for claims for bodily injuries (including death) to persons and for damage to property arising out of the ownership, maintenance or use of any owned, hired or non-owned motor vehicle.
- (D) Railroad Protective Liability Insurance policy shall be required as specified in Schedule "A".
- (E) Environmental/Pollution Exposures:

In the event environmental or pollution exposures exist, the Permittee shall require the environmental contractor or sub-contractor to provide the applicable insurance covering such exposure. The limits and type of insurance provided shall be satisfactory to the Permittor and will be confirmed to the parties prior to the start of the work.

(2) General Requirements Applicable To Insurance Policies:

(a) All of the insurance required by this Article shall be with Companies licensed or authorized to do business in the State of New York with an A.M. Best Company rating of not less than A-/VII or better and reasonably approved by the Permittor/MTA and shall deliver evidence of such policies.

- (b) Except for Workers Compensation, all references to forms and coverages referred to above shall be the most recent used by the Insurance Services Office, Inc. (ISO") or equivalent forms approved by the Insurance Department of the State of New York, provided, however, that excess coverages may be written on forms reasonably acceptable to Permittor containing provisions other than those contained in ISO forms but otherwise conforming in substance to the requirements of this Article.
- (c) The Permittee or its Contractor performing the work shall furnish evidence of all policies before any work is started to the permittor:

For NYCT Contract Inspection C/O Mr. John Malvasio Director, MOW Engineering 130 Livingston Street, Room 8044F Brooklyn, NY 11201 Telephone: (718) 694-1358

These policies must: (i) be written in accordance with the requirements of the paragraphs above, as applicable; (ii) be endorsed in form acceptable to include a provision that the policy will not be canceled, materially changed, or not renewed, unless otherwise indicated herein, at least thirty (30) days prior written notice to the Permittor c/o MTA Risk and Insurance Management (MTA RIM) Department - Standards, Enforcement & Claims Unit, 2 Broadway -21st floor, New York, NY 10004; and (iii) state or be endorsed to provide that the coverage afforded under the contractor's policies shall apply on a primary and not on an excess or contributing basis with any policies which may be available to the Permittor/MTA, and also that the contractor's policies, primary and excess, must be exhausted before implicating any Permittor/MTA policy available. (iv) In addition, contractor's policies shall state or be endorsed to provide that, if a subcontractor's policy contains any provision that may adversely affect whether contractor's policies are primary and must be exhausted before implicating any Permittor/MTA policy available, contractor's and subcontractor's policies shall nevertheless be primary and must be exhausted before implicating any Permittor/MTA policy available. Except for Professional Liability, policies written on claims made basis are not acceptable. At least two (2) weeks prior to the expiration of the policies, contractor shall endeavor to provide evidence of renewal or replacement policies of insurance, with terms and limits no less favorable than the expiring policies. Except as otherwise indicated in the detailed coverage paragraphs below, self insured retentions and policy deductibles shall not exceed \$100,000, unless such increased deductible or retention is approved by Permittor/MTA. The Permittee shall be responsible for all claim expense and loss payments within the deductible or selfinsured retention. The insurance monetary limits required herein may be met through the combined use of the insured's primary and umbrella/excess policies.

- (d) Certificates of Insurance may be supplied as evidence of policies of the above policies, except for Policy (D) Railroad Protective Liability Insurance Policy. However, if requested by the Permittor, the Permittee shall deliver to the Authority, within forty-five (45) days of be request, a copy of such policies, certified by the insurance carrier as being true and complete. The Railroad Protective Liability Insurance Policy must be provided in the form of the Original Policy. A detailed Insurance Binder may be provided, ACORD or Manuscript Form, pending issuance of the Original Policy. The Original Policy must be submitted to MTA RIM within thirty (30) days of the Binder Approval.
- (e) If a Certificate of Insurance is submitted, it must: (1) be provided on the Permittor Certificate of Insurance Form or MTA Certificate of Insurance Form for Joint Agency Agreements; (2) be signed by an authorized representative of the insurance carrier or producer and notarized; (3)

disclose any deductible, self-insured retention, sub-limit, aggregate limit or any exclusions to the policy that materially change the coverage; (4) indicate the Additional Insureds and Named Insureds as required herein, along with a <u>physical copy</u> of the Additional Insured Endorsement (I.S.O. Form CG 20 26 07/04 version or equivalent), as applicable and the endorsement(s) must include policy number(s); (5) reference the Contract by number on the face of the certificate; and (6) expressly reference the inclusion of all required endorsements.

- (f) The minimum amounts of insurance required in the detail description of policies (A), (B), (C), and (D) above shall not be construed to limit the extent of the Permittee's liability under this Agreement.
- (g) If, at any time during the period of this Agreement, insurance as required is not in effect, or proof thereof is not provided to the Permittor, the Permittor shall have the options to: (i) direct the Permittee to suspend work or operation with no additional cost or extension of time due on account thereof; or (ii) treat such failure as an Event of Default.

(C) NYC TRANSIT CURRENT AND FUTURE PROJECTS

The Contractor is notified of the following:

- (1) The following subway lines are within the area of this project:
 - (a) The **BMT Astoria Line N & Q Trains** are running along 31st Street
 - (b) The **IND Queens Line E & F Trains are** running along Queens Boulevard within the project area
 - (c) The IND Crosstown Line G Train is running adjacent to 22nd Street
- (2) The Contactor can obtain NYC Transit Structural Drawings by contacting Mr. Chenthitta Gopalakrishnan at (646) 252-3614.

The Contractor shall also obtain from Mr. Chenthitta Gopalakrishnan the following Drawing showing Power Engineering Activities for the area of this project:

- Drawing No. P-378 Duct Assignment Vicinity of 36th Avenue Station Astoria Line -BMT - Queens
- Drawing No. P-442 Duct Assignment Vicinity of 36th Avenue Station Astoria Line -BMT - Queens
- Drawing No. P-414 Duct Assignment Steinway Street Station Queens Line IND Queens
- Drawing No. P-415 Duct Assignment Vicinity of Northern Boulevard Station Queens Line - IND - Queens
- Drawing No. P-701 Duct Assignment Vicinity of 21st Street Station 63rd Street Line (New Route) - IND - Queens
- (3) The project might have an impact at the following stations:
 - (a) Ditmars Boulevard Station for the BMT Astoria Line, N Train
 - (b) Astoria Station for the BMT Astoria Line, N Train
 - (c) 21st Street Queensbridge Station / 63rd Street Line –Queens Line IND/Queens
 - (d) 46th Street Station / Queens Line
 - (e) 36th Street Station for the BMT Astoria Line, N Train
 - (f) 39th Avenue Station for the BMT Astoria Line, N Train
 - (g) 21st Street Station Brooklyn-Queens Crosstown Line IND/Queens

Should it become necessary to close any of the entrances for the above station, see Note No. 15.35 from the General Notes that are made part of the contract drawings.

(4) (a) The following tables showing NYC Transit's current and planned projects that may impact and/or interfere with this project might require the Contractor to coordinate construction work with NYCT contractors. These tables are for information only:

Ditmars Boulevard Station/Astoria Line

| Combract | Decident Title | Design Manager/ | Construction Manager/ | Resident Engineer/ |
|--------------------|---|-----------------------------|------------------------------------|--------------------|
| Contract | Project Title | Telephone No. | Telephone No. | Telephone No. |
| | Station Upgrade | | Station | |
| | Program (General) | | Maintenance | |
| | 2001 Station Paint | | Station | |
| | Program | | Maintenance | |
| C-33154 | Line Structure | D. Patel/ | D. Patel/ | |
| | Rehab | (646) 252-4591
S. Patel/ | (646) 252-4591 | A. Mitra/ |
| C-33230 | Line Structure -
Strip and Repairing | 5. Pater
(646) 252-4663 | G. Balagangeyan/
(646) 252-2415 | (646) 252-2416 |
| A-33770 | MVM/MRM | (040) 232-4003 | W. Lydon/ | (040) 232-2410 |
| A-33770
A-33771 | Installation | Undesignated | (718) 694-5260 | |
| | Construct | R. Wong/ | R. Wong/ | C. Millington/ |
| C-43008 | Communication Rooms | (646) 252-3060 | (646) 252-3060 | (646) 252-3316 |
| | Upgrade RTO Radio | K. Asamoah/ | M.V. Mathew/ | A. Haldar/ |
| W-34503 | Base Stations to | (646) 252-4064 | (646) 252-3603 | (646) 252-3605 |
| | Fiber Optics | | | |
| W-32652 | ATM Network | K. Asamoah/ | M. Islam/ | S. Jamoona/ |
| | System | (646) 252-4064 | (646) 252-4844 | (646) 252-4543 |
| S-32350 | Automatic Train | S. Kwa/
(646) 252-3189 | D. Chin/
(646) 252-3583 | N/A |
| | Supervision (ATS) Public Address | (040) 252-3169 | (040) 232-3363 | |
| W-32669 | System Phase III | Undesignated | Undesignated | |
| C-33215 | Haz Mat: Asbestos | K. Singh/ | J. Dinaram/ | F. Townsend/ |
| O-00210 | Rem Prior Progr IV | (646) 252-3564 | (646) 252-3521 | (646) 252-3511 |
| C-33230 | Haz Mat Lead Paint | A. Shah/ | Vacant | K. Patel/ |
| 171 | Abatement | (646) 252-4576 | | (212) 840-0752 |
| C-34672 | Car Cleaning | Undesignated | Undesignated | |
| C-34672 | Facilities – Group
"C" Manhattan | Undesignated | Officesignated | |
| _ | Rehab of Employee | | T. Denny/ | R. Patel/ |
| A-33415 | Facilities | Undesignated | (646) 252-4111 | (646) 252-3444 |
| A-34352 | 1994 Employee | Undesignated | E. Robertino/ | |
| A-3430Z | Facility Program | Ondesignated | (646) 252-3246 | |
| | RTO Facilities | Vacant | B. Konar/ | |
| | Hardening | 7 4 0 4 1 1 | (646) 252-2508 | |

Astoria-Hoyt Avenue Station / Astoria Line

| Contract | Project Title | Design Manager/
Telephone No. | Construction Manager/
Telephone No. | Resident Engineer/
Telephone No. |
|----------|---|----------------------------------|--|-------------------------------------|
| ***** | 1987 Station Upgrade
Program (General) | | Station
Maintenance | |
| | 2001 Station Paint
Program | | Station
Maintenance | |
| | 2010 Station Paint
Program | | Station
Maintenance | |
| C-33154 | Line Structure
Rehab | D. Patel/
(646) 252-4591 | D. Patel/
(646) 252-4591 | |
| C-33230 | Line Structure - | S. Patel/ | G. Balagangeyan/ | A. Mitra/ |

| | Strip and Repairing | (646) 252-4663 | (646) 252-2415 | (646) 252-2416 |
|--------------------|---|------------------------------------|------------------------------------|----------------------------------|
| P-33225 | Rehab of Circuit
Breaker Housed | T.Thottukadavil/
(646) 252-3354 | M.V. Mathew/
(646) 252-3603 | K. Vyas/
(646) 252-3251 |
| A-33770
A-33771 | MVM/MRM
Installation | Undesignated | W. Lydon/
(718) 694-5260 | |
| C-43008 | Construct Communication Rooms | R. Wong/
(646) 252-3060 | R. Wong/
(646) 252-3060 | C. Millington/
(646) 252-3316 |
| W-32652 | ATM Network
System | K. Asamoah/
(646) 252-4064 | M. Islam/
(646) 252-4844 | S. Jamoona/
(646) 252-4543 |
| S-32350 | Automatic Train
Supervision (ATS) | S. Kwa/
(646) 252-3189 | D. Chin/
(646) 252-3583 | N/A |
| W-32697 | Public Address Cust
info Syst (PACIS)
Install Cable | N. Ng/
(646) 252-6773 | D. Straquatanio/
(646) 252-4065 | E. Kakkanatt/
(646) 252-2070 |
| W-32669 | Public Address
System Phase III | Undesignated | Undesignated | |
| C-33215 | Haz Mat : Asbestos
Rem Prior Progr IV | K. Singh/
(646) 252-3564 | J. Dinaram/
(646) 252-3521 | F. Townsend/
(646) 252-3511 |
| C-33230 | Haz Mat Lead Paint
Abatement | A. Shah/
(646) 252-4576 | Vacant | K. Patel/
(212) 840-0752 |

36 Avenue Station / Astoria Line

| Contract | Project Title | Design Manager/
Telephone No. | Construction Manager/
Telephone No. | Resident Engineer/
Telephone No. |
|--------------------|---|-------------------------------------|--|-------------------------------------|
| | 1987 Station Upgrade | r eleptione 140. | Station | r eleptione No. |
| | Program (General) 2001 Station Paint | | Maintenance
Station | |
| | Program 2010 Station Paint Program | | Maintenance Station Maintenance | |
| C-33154 | Line Structure
Rehab | D. Patel/
(646) 252-4591 | D. Patel/
(646) 252-4591 | |
| C-33230 | Line Structure -
Strip and Repairing | S. Patel/
(646) 252-4663 | G. Balagangeyan/
(646) 252-2415 | A. Mitra/
(646) 252-2416 |
| P-33225 | Rehab of Circuit
Breaker Housed | T. Thottukadavil/
(646) 252-3354 | M.V. Mathew/
(646) 252-3603 | K. Vyas/
(646) 252-3251 |
| A-33770
A-33771 | MVM/MRM
Installation | Undesignated | W. Lydon/
(718) 694-5260 | |
| C-43008 | Construct Communication Rooms | R. Wong/
(646) 252-3060 | R. Wong/
(646) 252-3060 | C. Millington/
(646) 252-3316 |
| W-32652 | ATM Network
System | K. Asamoah/
(646) 252-4064 | M. Islam/
(646) 252-4844 | S. Jamoona/
(646) 252-4543 |
| S-32350 | Automatic Train
Supervision (ATS) | S. Kwa/
(646) 252-3189 | D. Chin/
(646) 252-3583 | N/A |
| W-32697 | Public Address Cust
info Syst (PACIS)
Install Cable | N. Ng/
(646) 252-6773 | D. Straquatanio/
(646) 252-4065 | E. Kakkanatt/
(646) 252-2070 |
| W-32669 | Public Address
System Phase III | Undesignated | Undesignated | 4 |
| C-33215 | Haz Mat : Asbestos
Rem Prior Progr IV | K. Singh/
(646) 252-3564 | J. Dinaram/
(646) 252-3521 | F. Townsend/
(646) 252-3511 |
| C-33230 | Haz Mat Lead Paint | A. Shah/ | Vacant | K. Patel/ |

PROJECT ID.: QED1005

Abatement

(646) 252-4576

(212) 840-0752

39 Avenue Station / Astoria Line

| 0 | Drainet Title | Design Manager/ | Construction Manager/ | Resident Engineer/ |
|----------|---------------------------------|-------------------|-----------------------|--------------------|
| Contract | Project Title | Telephone No. | Telephone No. | Telephone No. |
| 385 | 1987 Station Upgrade | | Station | |
| | Program (General) | | Maintenance | |
| | 2001 Station Paint | | Station | |
| | Program | | Maintenance | |
| | 2010 Station Paint | | Station | |
| | Program | | Maintenance | |
| C-33154 | Line Structure | D. Patel/ | D. Patel/ | |
| C-33134 | Rehab | (646) 252-4591 | (646) 252-4591 | |
| C-33230 | Line Structure - | S. Patel/ | G. Balagangeyan/ | A. Mitra/ |
| C-33230 | Strip and Repairing | (646) 252-4663 | (646) 252-2415 | (646) 252-2416 |
| C-33676 | Demolition of | S. Patel/ | E. Saint Louis/ | M. Campbell/ |
| 0-00070 | Abandoned Structures | (646) 252-4663 | (646) 252-3132 | (718) 558-4848 |
| P-33225 | Rehab of Circuit | T. Thottukadavil/ | M.V. Mathew/ | K. Vyas/ |
| | Breaker Housed | (646) 252-3354 | (646) 252-3603 | (646) 252-3251 |
| A-33770 | MVM/MRM | Undesignated | W. Lydon/ | |
| A-33771 | Installation | | (718) 694-5260 | 0.14111 |
| C-43008 | Construct | R. Wong/ | R. Wong/ | C. Millington/ |
| | Communication Rooms | (646) 252-3060 | (646) 252-3060 | (646) 252-3316 |
| W-32652 | ATM Network | K. Asamoah/ | M. Islam/ | S. Jamoona/ |
| | System | (646) 252-4064 | (646) 252-4844 | (646) 252-4543 |
| S-32350 | Automatic Train | S. Kwa/ | D. Chin/ | N/A |
| | Supervision (ATS) | (646) 252-3189 | (646) 252-3583 | |
| | Public Address Cust | N. Ng/ | D. Straguatanio/ | E. Kakkanatt/ |
| W-32696 | Info Syst (PACIS) | (646) 252-6773 | (646) 252-4065 | (646) 252-2070 |
| | Install Cable | | | |
| W-32669 | Public Address System Phase III | Undesignated | Undesignated | |
| | Public Address Cust | 1.3 | | <u> </u> |
| W-32691 | Info Syst (PACIS) | N. Ng/ | D. Straquatanio/ | N/A |
| W-32091 | Des. Only | (646) 252-6773 | (646) 252-4065 | |
| | Public Address Cust | - | | |
| W-32697 | Info Syst (PACIS) | N. Ng/ | D. Straquatanio/ | N/A |
| VV-32091 | Furn & Cabinets | (646) 252-6773 | (646) 252-4065 | |
| | Haz Mat : Asbestos | K. Singh/ | J. Dinaram/ | F. Townsend/ |
| C-33215 | Rem Prior Progr IV | (646) 252-3564 | (646) 252-3521 | (646) 252-3511 |
| | Haz Mat Lead Paint | A. Shah/ | 7 | K. Patel/ |
| C-33230 | Abatement | (646) 252-4576 | Vacant | (212) 840-0752 |

21st Street - Queensbridge Station / 63rd Street Line - Queens Line - IND/Queens

| Contract | Project Title | Design Manager/
Telephone No. | Construction Manager/
Telephone No. | Resident Engineer/
Telephone No. |
|----------|--------------------------|----------------------------------|--|-------------------------------------|
| A-36854 | ADA Accessibility | L. Tonn/
(646) 252-2051 | Undesignated | |
| A-20172 | Station Rehab Project | N/A | N/A | N/A |
| E-33804 | Station Lighting Upgrade | T. Thottukadavil/ | D. Bumford/ | |

PROJECT ID.: QED1005

| | | (646) 252-3353 | (646) 252-3768 | |
|--------------------|--|----------------------------------|-----------------------------------|--------------------------------|
| C-20201 | Misc Proj: 63 rd Street
Connection | N/A | S. Sina/
(212) 510-2653 | H. Wu/
(646) 252-3322 |
| C-33207-1 | Subway Tunnel Rehab | K. Cheung/
(646) 252-3248 | A. Parikh/
(646) 252-3234 | K. Mevawala/
(212) 510-2155 |
| E-34021 | Replace 10 Hydraulic
Elevators | L. Tonn/
(646) 252-2051 | T. Denny/
(646) 252-4111 | |
| W-32622-2 | Police Radio
Communication System | D. Willemann/
(646) 252-3865 | K. Majmudar/
(646) 252-9997 | N/A |
| P-33225 | Rehab of Circuit
Breaker Housed | T. Thottukadavil/ (646) 252-3354 | M.V. Mathew/
(646) 252-3603 | K. Vyas/
(646) 252-3251 |
| A-33770
A-33771 | MVM/MRM
Installation | Undesignated | W. Lydon/
(718) 694-5260 | |
| C-43003 | Construct Communication Rooms | Undesignated | E. Saint Louis/
(646) 252-3132 | S. Ali/
(646) 252-3462 |
| C-43027 | HVAC-Communication Room | L. Tonn/
(646) 252-2051 | A. Puthola/
(646) 252-4314 | V. Tadla/
(646) 252-4444 |
| C-43035 | HVAC-Communic Room
9 Loc | K. Asamoah/
(646) 252-4064 | K. Majmudar/
(646) 252-9997 | W. Tumn Jr./
(646) 252-3226 |
| W-32652 | ATM Network
System | K. Asamoah/
(646) 252-4064 | M. Islam/
(646) 252-4844 | S. Jamoona/
(646) 252-4543 |
| W-32675 | System Wide Application Migration | K. Asamoah/
(646) 252-4064 | K. Majmudar/
(646) 252-9997 | L. Penna/
(212) 268-8595 |
| W-32657 | Automatic Train Supervision (ATS) | N/A | N/A | N/A |
| W-32669 | Public Address
System (Phase III) | Undesignated | Undesignated | N/A |
| C-34719 | Haz Mat Asbest Abat
Prior Progr V | K. Singh/
(646) 252-3564 | J. Dinaram/
(646) 252-3521 | F. Townsend/
(646) 252-3511 |
| E-40820 | Standpipes: 63 rd Street
Tunnel | D. Willemann/
(646) 252-3865 | A. Parikh/
(646) 252-3234 | K. Mevawala/
(212) 510-2155 |
| A-33742 | Station Power Upgrade | N/A | T. Lokhandwala/
(646) 252-4399 | L. Heslop/
(212) 607-4152 |
| A-35805 | 1995 Signage Upgrade
Program | D. Foell/
(646) 252-4317 | A. Muqtadir/
(646) 252-4668 | D. Okobi/
(646) 252-4090 |
| W-32620 | Public Address System (Phase I) | T. Thottukadavil/ (646) 252-3354 | M.V. Mathew/
(646) 252-3603 | N/A |
| W-32649 | Public Address System
Wrap-Up | Undesignated | M.V. Mathew/
(646) 252-3603 | G. Dejean/
(646) 252-3287 |
| W-32663 | Public Address System
Wrap-Up | R. Fishelberg/
(646) 252-2807 | M. Jameson/
(646) 252-2808 | |
| E-31292 | New Fan Plant | M. Patel/
(646) 252-4828 | P. Patel/
(646) 252-4035 | S. Mukrji/
(718) 694-5641 |

46th Street Station – Queens Line - BMT / Queens

| Contract | Project Title | Design Manager/
Telephone No. | Construction Manager/
Telephone No. | Resident Engineer/
Telephone No. |
|--|---|----------------------------------|--|-------------------------------------|
| | 1990 Station Upgrade
Program (General) | | Station
Maintenance | · |
| THE REAL PROPERTY OF THE PROPE | 2002 Station Paint
Program | | Station
Maintenance | |
| E- 33844 | Tunnel Lighting | J. Payyapilli/ | M. Maddela/ | |

| | Rehab | (646) 252-3329 | (646) 252-3975 | |
|---------------------|--------------------------------------|----------------------------------|-----------------------------------|--------------------------------|
| W- 32622 - 2 | Police Radio
Communication System | D. Willemann/
(646) 252-3865 | K. Majmudar/
(646) 252-3773 | N/A |
| A-33742 | Station Power Upgrade | N/A | T. Lokhandwala/
(646) 252-4399 | L. Heslop/
(212) 607-4152 |
| A-33770
A-33771 | MVM/MRM
Installation | Undesignated | W. Lydon/
(718) 694-5260 | |
| C-43003 | Construct Communication Rooms | Undesignated | E. Saint Louis/
(646) 252-3132 | S. Ali/
(646) 252-3462 |
| W-32652 | ATM Network
System | K. Asamoah/
(646) 252-4064 | M. Islam/
(646) 252-4844 | S. Jamoona/
(646) 252-4543 |
| A-35805 | 1995 Signage Upgrade
Program | D. Foell/
(646) 252-4317 | A. Muqtadir/
(646) 252-4468 | D. Okobi/
(646) 252- 4090 |
| W-32657 | Automatic Train
Supervision (ATS) | N/A | N/A | N/A |
| W-32620 | Public Address
System (Phase I) | T. Thottukadavil/ (646) 252-3353 | M.V. Mathew/
(646) 252-3603 | N/A |
| W-32649 | Public Address
Wrap-Up | Undesignated | M.V. Mathew/
(646) 252-3603 | G. Dejean/
(646) 252-3287 |
| W-32663 | Public Address System
Wrap-Up | R. Fishelberg / (646) 252-2807 | M. Jameson/
(646) 252-2808 | |
| W-32669 | Public Address System (Phase III) | Undesignated | Undesignated | N/A |
| C-34719 | Haz Mat Asbest Abat
Prior Progr V | K. Singh/
(646) 252-3564 | J. Dinaram/
(646) 252-3521 | F. Townsend/
(646) 252-3511 |
| E-31292 | New Fan Plant | M. Patel/
(646) 252-4828 | P. Patel/
(646) 252-4035 | S. Mukrji/
(646) 252-5641 |

46th Street Station – Queens Line - IND / Queens

| Contract | Project Title | Design Manager/
Telephone No. | Construction Manager/
Telephone No. | Resident Engineer/
Telephone No. |
|---------------------|---|----------------------------------|--|-------------------------------------|
| ST01-1460
A37628 | Stations
Sandy Resiliency-EBCSS | S. Ragheb/
(646) 252-3427 | J. Diaz/
(646) 252-2102 | |
| MW56-7027
S48005 | Communication Based
Train Control
CBTC QBL West:Ph2 | K. Chan/
(646) 252-3951 | Undesignated | |
| MW56-7027
S48004 | Communications Based
Train Control
CBTC QBL West: Ph1 | S. Kwa/
(646) 252-3189 | Undesignated | |
| ST01-3787
A37636 | Stations
HP: 8 Sns(TW Ph 28 P1) | D. Wesley/
(646) 252-3061 | S. Davoodi/
(718) 613-0031 | |
| MW25-1244
P36463 | Power Distr Facilities
Sandy: Emer Alarms
6Tubes | M. Islam/
(646) 252-4844 | Undesignated | |
| MW16-7064
E33844 | Tunnel Lighting
TL:36 St-
JacksonRoos/QBL | J. Payyapilli/
(646) 252-3329 | M. Maddela
(646) 252-3965 | C. Brock/
(646) 252-3993 |

21st Street Station - Brooklyn-Queens Crosstown Line- IND/ Queens

| | ĺ | Contract | Project Title | Design Manager/ Construction Manager/ Resident Engineer | -/ |
|--|---|----------|---------------|---|----|
|--|---|----------|---------------|---|----|

| | | Telephone No. | Telephone No. | Telephone No. |
|---------------------|--|----------------------------------|-----------------------------------|---|
| ST21-7221
A36895 | Station Components Stn Paint @ Comp Loc | Undesignated | Undesignated | |
| ST01-1460
A37628 | Stations
Sandy Resilienc-EBCSS | S. Ragheb
(646) 252-3427 | J.L.Diaz/
(646)252-2102 | |
| CB01-1251
D61290 | Contingency Funds
Sandy Stud: St
Open/Ve/Tun | R. DeCurtis/
(646) 252-4066 | R: DeCurtis/
(646) 252-4066 | A. Kuzin/
(646) 252-5563 |
| ST18-7430 | Station Commun Rms
Comm Rm HVAC-Ph3 | D. Willemann/
(646) 252-3865 | Undesignated | |
| ST12-7386
W32695 | Public Address/Cust Info PA/CIS: 45Stns:Cabinets | D. Wesley/ | J.L. Diaz/
(646) 252-2102 | |
| ST01-0868
A37600 | Stations HP: 3Stns (Greenpoint) | D. Wesley/
(646) 252-3061 | S. Davoodi/
(718) 613-0031 | L.J. Baptiste/
(718) 613-0156 |
| MW17-7423
W32373 | Commun Cable/Eqpt
PSLAN: 3 Stns
Greenpoint | D. Wesley
(6460 252-3061 | S. Davoodi/
(718) 613-0031 | L.J. Baptiste/
(718) 613-0156 |
| ST21-0586
A36923 | Station Components
21 ST/Crosstown (DOS-
Stns) | R. Dean/
(646) 252-4324 | T. Lokhandwala/
(646) 252-4399 | |
| ST21-1371
A36924 | Station Components
StnPntng: 2Loc
NBCT(DOS) | R. Dean/
(646) 252-4324 | T. Lokhandwala/
(646) 252-4399 | |
| MW38-1296
S32100 | Sandy: BCT Signals | K. Chan/
(646) 252-3951 | C. Frazer
(347) 457-3320 | |
| MW18-1296
E22821 | Tunnel Lighting
Sandy: BCTTnl Ltg | E. Gbanite/
(646) 252-4342 | A. D'Amore/
(646) 252-3736 | A. Zimulis
(646) 252-3765 |
| MW25-1296
P36436 | Power Distr Facilities
Sandy: BCT Pwr Cable | M. Islam/
(646) 252-4844 | A. D'Amore
(646) 252-3736 | A. Zimulis/
(646) 252-3765 |
| ST21-0688
A36922 | Station Components StnVntltr: Ph5- 5Loc/Various | J. Dilorenzo/
(646) 252-5955 | F.Peranio/
(718) 694-4983 | |
| ST12-7386
W32694 | Public Address /Cust
PA/CIS: 45 Stns: Cable | D. Wesley/
(646) 252-3061 | J.L. Diaz/
(646) 252-2102 | E. Kakkanatt/
(6460 252-2070 |
| ST01-3787
A37636 | Stations
HP: 8 Sns (TW Ph28 P1) | D. Wesley/
(646) 252-3061 | S. Davoodi/
(718) 613-0031 | , |
| MW25-1244
P36463 | Power Distr Facilities
Sandy: Emer Alarms
6Tubes | M. Islam/
(646) 252-4844 | Undesignated | |
| MW16-7064
E33844 | Tunnel Lighting
TL: 36 ST-
JacksonRoos/QBL | J. Payyapilli/
(646) 252-3329 | M. Maddela/
(646) 252-3965 | C. Brock/
(646) 252-3993 |

(4) 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 the Traffic Stipulations (five (5) pages) that are attached to the end of this addendum, and as directed by the Engineer.

(5) Refer to Page VI-45: Add the following new Section 60.41:

SECTION 60.41 RECONSTRUCTION OF EXISTING WATER MAINS USING D.E.P. APPROVED CURED-IN-PLACE-PIPE (CIPP) LINING METHOD

60.41.1 INTENT

It is the intent of this section to provide for the reconstruction of existing water mains by the installation of a resin-impregnated flexible tube that is inflated within the existing pipe to form a hard, impermeable, corrosion resistant pipe within a pipe. When cured, the cured-in-place-pipe (CIPP) will be formed to the original water main.

60.41.2 REQUIREMENTS

(A) DESCRIPTION OF WORK

All work shall comply with the terms of this specification and with the manufacturer's standards set forth for cured-in-place-pipe lining method selected by the Contractor and approved by the Engineer.

Under this method the Contractor shall reconstruct existing water mains by the insertion of a flexible lining tube consisting of two concentric, tubular, felt or woven polyester jackets with a watertight polymeric membrane bonded to the interior that has been saturated with a thermosetting resin. The liner shall be inserted into the existing water main either by direct inversion (ASTM F1216) using a head of water, or by pulling the tube into place by winching and then inflating it by inversion of a calibration hose (ASTM F1743). The shaping of the liner may be achieved by pushing a pig through the hose using water pressure. The thermosetting resin shall then be cured only by circulating hot water through the tube to cure the resin into a hard impermeable pipe. Use of hot air or circulating steam shall not be permitted during installation process.

The Contractor shall be responsible for the successful completion of all work required herein; failure of the Contractor's selected cured-in-place-pipe lining method to be satisfactorily installed in the existing water main shall not relieve the Contractor responsibility to provide satisfactorily reconstructed water mains.

Any cost associated with the removal of the unsatisfactorily installed liner and the subsequent, satisfactory reinstallation of an approved liner shall be borne solely by the Contractor, and the Contractor shall not make any claim against the City for this additional required work.

Once installed, the liner shall extend from start to end points specified in a continuous tight fitting watertight pipe-within-a-pipe, and the service connections shall be re-opened. During the warranty period any defects that might affect the integrity or strength of the liner shall be immediately repaired or replaced by the Contractor, at the Contractor's expense, pursuant to the manufacturer's recommendations, and to the satisfaction of the Engineer.

(B) REFERENCE SPECIFICATIONS AND STANDARDS

The latest editions and revisions of ASTM D638, D790, D792, F1216 and F1743, and NSF/ANSI 61 and the manufacturer's standards are hereby made a part of this specification.

(C) DELIVERY, STORAGE, AND HANDLING

- (1) The Contractor shall transport, handle, and store liner and thermosetting resin as recommended by manufacturer.
- (2) The Contractor shall deliver, store and handle other materials as recommended by the manufacturers to prevent damage.
- (3) Liner materials that are defective or damaged prior to installation shall be rejected and replaced

PROJECT ID.: QED1005

at the Contractor's expense. Liner materials damaged during installation shall be repaired or replaced as recommended by the manufacturer and approved by the Engineer.

(D) QUALIFICATIONS

The Contractor shall be certified by the cured-in-place-pipe liner manufacturer that the Contractor is a fully trained user of the liner method. Installation of the liner method shall be performed by trained personnel. Such training shall have been conducted by a qualified representative of the liner method manufacturer. Certificates of such training for all personnel involved in the operation of the liner method shall be provided to the Engineer prior to the start of liner installation.

(E) LINER SIZE AND LENGTH

The liner shall be fabricated to a size that when installed will neatly fit the internal circumference of the water main to be lined. The liner thickness shall be designed to adequately resist the full internal pressure and all external pressures and conditions (e.g. deflection, ring bending, buckling and minimum stiffness). The length of the liner shall be that deemed necessary to effectively span the distance and carry out the insertion and seal of the liner at the end points. The Contractor shall verify the lengths in the field before cutting the liner to length. Prior to the start of work the manufacturer of the cured-in-place-pipe liner will be required to submit design calculations for wall thickness to the Engineer.

Allowance for circumferential and longitudinal stretching of the liner during insertion shall be made as per the manufacturer's standards.

(F) DESIGN PARAMETERS

The following design parameters shall be used in the design of pipe liners in addition to the manufacturer's standards and ASTM F1216:

| (1) Ovality of Existing Pipe | 2% Minimum |
|---------------------------------------|---|
| (2) Existing Pipe Condition | Fully Deteriorated |
| (3) Modulus of Soil Reaction | 700-psi Minimum |
| (4) Factor of Safety Against Buckling | 2 Minimum |
| (5) Allowable Deflection | 5% Maximum |
| (6) Ratio of Pipe to Soil Strength | 10% Minimum |
| (7) Live Load | AASHTO HS20-44 Loading under Roadways |
| | AASHTO E-80 Loading under Railroads |
| (8) Soil Unit Weight | 120-pcf Minimum (If no Boring Data is available |
| | in vicinity.) |
| (9) Creep Reduction Factor | 50% Maximum |
| (10)Internal Pressure | 125-psi Minimum |
| | |

Liner material shall be tested in accordance with ASTM F1216, Section 8 - Inspection Practices. Certificates of tests shall be provided to the Engineer.

(G) LINER MATERIAL

The cured-in-place-pipe liner shall be composed of two (2) concentric, tubular, felt or woven polyester jackets with a polymeric membrane bonded to the interior. The polymeric inner membrane shall be designed to ensure water tightness. The fully cured-in-place-pipe liner shall conform to the minimum structural standards as follows:

| Tensile Strength @ Yield | 3,000-psi | (ASTM D638) |
|--------------------------|-------------|-------------|
| Flexural Strength | 4,500-psi | (ASTM D790) |
| Flexural Modulus | 250 000-psi | (ASTM D790) |

The cured-in-place-pipe lining method selected by the Contractor shall be certified by NSF to

ANSI/NSF Standard 61 and be listed on the NSF website.

The Contractor shall furnish, prior to use of the lining materials, satisfactory written guarantee of the Contractor's compliance with these specifications and the liner manufacturer's standards for all materials (felt or woven polyester jackets, watertight polymeric membrane bonded to the interior, and the thermosetting resin) and techniques being used in the method.

Prior to the start of work the Contractor will be required to submit to the Engineer the types of resins and the resultant cure schedules for each length and size of water main to be lined. The finished liner shall incorporate thermosetting materials that will withstand the corrosive effects of normal existing chemical additives to the water supply.

(H) SAFETY

The Contractor shall carry out the Contractor's operations in strict accordance with all OSHA and manufacturer's safety requirements. Emphasis shall be placed upon safety requirements for entering confined spaces and working with hot water.

The Contractor shall erect such signs and other devices as are necessary for the safety of the work site and shall secure the site and conform all work to the safety requirements of all pertinent regulatory agencies.

(I) AIR QUALITY

The Contractor is advised that all liner installation work shall be carried out in full compliance with all City, State, and Federal laws, rules, and regulations regarding Air Quality and Safety.

(J) TEMPORARY WATER SERVICE

Prior to the start of construction the Contractor shall submit to the Engineer for approval the Contractor's method of providing temporary water service to customers and to emergency fire crews. This shall include the Contractor's method to provide maintenance and protection during the entire length of the contract to ensure continued water service.

The temporary water line shall be disinfected and acceptable samples obtained and approved by the Engineer prior to connection to the customers.

(K) PREPARATION OF EXISTING WATER MAIN

(1) EXCAVATION OF INSERTION/EXTRACTION PITS, REMOVAL OF PIPE, AND ROUTE SURVEY

The exact location of insertion/extraction pits shall be as shown, specified or ordered and shall be of a length and width as recommended by the pipe liner manufacturer and as approved by the Engineer.

The Contractor shall excavate the insertion/extraction pits at the locations and to the dimensions specified and approved.

The Contractor shall excavate and remove the minimum length of pipe necessary for the liner insertion and receiving operations as per manufacturer's recommendations and as ordered by the Engineer.

The existing main shall be cut square using an approved cutting machine, leaving no split or fractured ends. All cut faces of the existing main shall be chamfered on the inside surface to a suitable profile to prevent damage to the liner pipe during or after insertion.

Edge guards or other means of protecting the liner from host pipe edges at insertion points

must be submitted to the Engineer for review and approval.

A thorough examination of the route of the existing water main shall be made after cutting of the main. This should include a pipeline location survey with equipment for locating any changes in direction, valves, bends, intrusions, and other fittings that may impede the insertion and/or proper inflation of the cured-in-place-pipe liner.

(2) CLEANING

The cleaning of the existing water main is a critical step in the reconstruction of the existing water main with a cured-in-place-pipe liner method. It is anticipated that the existing water main will have a fair amount of rust and scale deposits on the inside walls of the pipe.

The Contractor shall clean the existing water mains using a cleaning method that is approved by the Engineer. The cleaning method shall remove all rust, scales, tuberculation, deposits, loose or deteriorated remains of any original coatings and other foreign materials from the inside of the pipe so as to produce a smooth metal surface finish that will allow the new composite liner to adhere to the existing host pipe.

After cleaning, and again immediately before pipe liner insertion the main shall be plunged with a tight fitting rubber plunger and foam swab to clear the pipe bore of debris and water.

(L) TELEVISION INSPECTION PRIOR TO INSTALLATION

The Contractor shall perform a television inspection and digital audio-visual recording of the existing water main after the cleaning of the water main is completed. This inspection will be performed, utilizing a radial eye camera, to determine that the rust and scale deposits have been adequately removed, that the latest condition of the water main makes lining feasible, to check for leaking service connections, and to accurately identify the location of service connections. Each service connection location shall be logged for use when re-opening of service connections is required.

Prior to installation television inspection and digital audio-visual recording shall be done in accordance with **Section 53.11** and as directed by the Engineer with the exception that payment for this work shall be made in accordance with **Subsection 60.41.5**.

(M) WATER SERVICE CONNECTIONS

- (1) Prior to installation of the cured-in-place-pipe liner the Contractor shall locate all existing water service laterals, and plug the service laterals as recommended by the manufacturer and approved by the Engineer. The insertion of plugs into the service connections may be done simultaneous with the above mentioned television inspection. The plugs are inserted so as to prevent any accumulation of epoxy inside the service line thus blocking them, and to prevent any water infiltration from a customer's leaking shut-off valve. Furthermore, special plugs shall be inserted so as to make visible any non-penetrating service connections in the lined pipe, and allow the operators to locate the non-penetrating service connections after they have been covered with the composite liner.
- (2) The Contractor shall plug the customer's service lateral and provide temporary water service to the customers.
- (3) Water tightness at the service laterals must be maintained by the adherence of the liner to the existing pipe and the presence of epoxy around the threads of the corporation stop. Modifying the existing lateral by removing the protruding end and/or installing anything into the lateral that will remain as a permanent restriction or reduce the interior diameter of the existing service lateral will not be allowed.
- (4) Upon completion of installation of liner, preliminary television inspection and pressure testing the Contractor shall re-open the existing service laterals to the customers from within the pipeline.

(N) EQUIPMENT SPECIFICATION

The Contractor shall provide suitable temperature and pressure gauges in accordance with the manufacturer's standards and specifications. Puller unit/winch cable shall be equipped with manufacturer recommended tension gauge and shall be smooth running and variable speed. The cutting device shall be a remote monitored device for use inside the lined pipe.

The Contractor shall prepare and inspect all necessary tools and any spare parts that are required for equipment that suffer frequent breakdowns, and shall ensure that said tools and spare parts are available at the site. The Contractor shall also prepare and make operable all necessary communication equipment for the Contractor's field crew.

(O) INSTALLATION OF LINER

Prior to the installation of liner, the Contractor shall fully comply with **Subsection 60.41.2(C) through Subsection 60.41.2(N)**, inclusively, and with any additional requirements set forth in the specific provisions applicable to the respective lining method. The Contractor shall not proceed with the installation of liner until the Engineer, in writing, certifies such compliance and directs the Contractor to proceed with the lining installation. The approved liner shall be installed pursuant to the specific provisions set forth for the lining method. If any problem occurs during the installation operation the Contractor shall investigate with a television camera from the remote end.

(P) PRELIMINARY TELEVISION INSPECTION OF INSTALLED LINER

After the liner is sufficiently cool (below one hundred degrees Fahrenheit (100°F)) and before opening the service laterals, a preliminary television inspection and digital audio-visual recording of the newly installed liner shall be performed to determine if the liner is properly installed.

Preliminary television inspection and digital audio-visual recording shall be done in accordance with **Section 53.11** and as directed by the Engineer with the exception that payment for this work shall be made in accordance with **Subsection 60.41.5**.

(Q) PRESSURE TESTING

After preliminary television inspection is completed, the lined existing water main shall be pressure tested in accordance with **Subsection 60.12.3(N) - Field Test Of Mains**, and/or as ordered by the Engineer. The Contractor shall subject the water main and appurtenances to a proof test by water pressure of not less than 125-psi.

(R) SERVICE CONNECTIONS

After the pressure testing is completed, the Contractor shall re-open all existing service connections as ordered by the Engineer. These service connections shall be re-opened in accordance with **Section 52.61** and paid for consistent with **Subsection 60.41.6**.

The re-opening of connections shall be done without excavation and from the interior of the newly installed liner by the use of a remote controlled cutting device. A closed circuit television system shall be used for monitoring the operation. All connections that are to be re-opened shall be satisfactorily opened to the size of the original opening, and to the depth required to completely open the water service connection to the customer. Opening shall be smooth and flush.

(S) FINAL TELEVISION INSPECTION AFTER INSTALLATION

A final television inspection and digital audio-visual recording of the newly lined water main including the restored service connections shall be performed immediately after work is completed. Should the results of this final inspection reveal any defects that are determined by the Engineer to be repairable the Contractor will be required to repair these defects as ordered by the Engineer at the sole expense

of the Contractor. Should the results of this final inspection reveal any defects that are determined by the Engineer <u>not</u> to be repairable the Contractor will be required to remove and replace the existing water main as ordered by the Engineer at the sole expense of the Contractor.

Final television inspection and digital audio-visual recording shall be done in accordance with **Section 53.11** and as directed by the Engineer with the exception that payment for this work shall be made in accordance with **Subsection 60.41.5**.

(T) PIECING-UP

After final television inspection after installation is completed the removed sections of the existing pipeline (e.g. at insertion/reception pits, valves, connections, etc.) shall be reconstructed in accordance with the contract plans and specifications and/or as ordered by the Engineer. The necessary end pieces shall be installed so as to make proper connection to the cut and lined existing water main pipe.

(U) DISINFECTION/CHLORINATION

Once all pipe work is completed to the satisfaction of the Engineer, the Contractor shall perform chlorine disinfection of the newly installed water mains in accordance with **Subsection 60.12.3(E)(2)**, and/or as ordered by the Engineer.

(V) RECOMMISSIONING

After disinfection and thorough flushing of main, water samples shall be obtained and tested. After the test results have been found acceptable by the Engineer, the main shall be recommissioned and customer service shall be restored.

(W) WORK SCHEDULE

The Contractor shall be permitted to occupy the lane immediately above the water main location and the parking lane immediately adjacent to the site of work unless otherwise specified. Unless otherwise specified in the traffic stipulations, no further roadway or traffic restrictions shall be permitted.

60.41.3 INSTALLATION

(A) PREPARING AND INSERTING THE LINER

The Contractor shall designate a location where the uncured resin in the original containers and the unimpregnated liner will be impregnated prior to installation. The Contractor shall allow the Engineer and/or the Engineer's representative to inspect the materials and chemical impregnation "wet out" procedure. A resin and catalyst system recommended by the liner manufacturer and approved by the Engineer shall be used. The quantities of the liquid thermosetting materials inserted into the lining tube shall be as per manufacturer's standards so as to fully saturate the liner material and provide the lining thickness specified.

Immediately after cutting and prior to installation of liner, the ends of the adjacent existing water main that are not to be lined at the insertion/extraction points shall be covered/plugged so that no debris shall enter into them during reconstruction work.

The chemical impregnated liner material shall be inserted into the water main being reconstructed through the insertion point by either the direct inversion method or by the pull-in-place method, as recommended by the manufacturer. The head used to extend the liner tube shall be sufficient enough to fully extend the tube both circumferentially and longitudinally. The shaping of the liner may be achieved by pushing a pig through the tube using water pressure. The head used will fall within the manufacturer's guidelines to insure that a proper finished thickness is achieved and that the liner fit snug to the existing pipe wall producing dimples and/or bulges at service connections and flared ends

at the entrance and exit points.

Puller unit/winch cable shall be equipped with a tension gauge to measure tension during pull through.

Inflation of liners used shall be accomplished in accordance with manufacturer's standards and specifications. However, only circulating hot water shall be used as a heat source to cure the resin into a hard impermeable pipe. Use of hot air or circulating steam shall not be permitted during installation process.

Curing temperatures and pressures shall be monitored so as not to overstress the liner and cause damage or failure of the liner prior to cure.

The use of a lubricant is recommended and such lubricant shall be compatible with liner and resin.

(B) CURING OF LINER

After inflation or inversion is completed, the Contractor shall supply a hot water heat source. The equipment shall be capable of delivering hot water to the far end of the liner to uniformly raise the temperature in the entire liner above the temperature required to initiate and effect curing of the resin system. The temperature shall be determined by the resin/catalyst system employed. The heat source shall be fitted with suitable monitors to gauge the temperature and pressure of the incoming and outgoing heat exchanger circulating heating medium. Thermocouples or temperature gauges or infra-red gun shall be used at insertion and extraction points so as to determine and record the temperature of the liner and time of exotherm.

Initial cure shall be deemed to be completed when inspection of the exposed portions of the liner show it to be hard and sound; and when temperature reading(s) at the interface of the liner with the host pipe indicate sufficient heating has occurred. The cure period shall be of a duration recommended by the resin manufacturer; modified for the site specific conditions at the time curing is effected. During this cure time, the temperature inside the liner will be continuously maintained in the range required.

Once the cure is complete, the Contractor shall cool the hardened liner to a temperature below one hundred degrees Fahrenheit (100°F) before relieving the internal pressure. Cool down shall be accomplished as recommended by the manufacturers. Care shall be taken in the release of the internal pressure so that a vacuum will not develop that could damage the newly installed liner.

The finished lining shall be continuous over the entire length and be free from visual defects such as foreign inclusions, dry spots, pinholes and delaminations. The lining shall be impervious and free of any leakage from the pipe to the surrounding ground or from the ground to the inside of the lined pipe.

If at the insertion/extraction ends the lining fails to make a tight seal, the Contractor shall apply a seal of a resin mixture compatible with the liner.

After the curing has been completed, any residual water that adheres to the inner wall of the liner shall be removed. This residual water shall be collected and pumped from the channel of the insertion/extraction points and discharge into a sanitary or combined sewer manhole.

60.41.4 MEASUREMENT

The quantity of reconstructed existing water main using cured-in-place-pipe liner to be measured for payment shall be the number of linear feet of existing water main actually reconstructed by a cured-in-place-pipe lining method, complete, all in accordance with the contract drawings and specifications and to the satisfaction of the Engineer, measured along the centerline of the water main from insertion point to extraction point.

60.41.5 PRICE TO COVER

The contract price for "RECONSTRUCTION OF EXISTING WATER MAIN USING CURED-IN-PLACE PIPE LINING METHOD" shall be the unit price bid per linear foot for the size water main reconstructed by a cured-in-place-pipe lining method and shall cover the cost of all labor, materials, plant, equipment, samples, tests and insurance required and necessary for the designing, fabricating, furnishing, delivering, cleaning, inspecting/surveying, installing, testing, reconnecting, disinfecting, and recommissioning of the existing water main reconstructed by using a cured-in-place-pipe liner method and do all work incidental thereto, all in accordance with the contract drawings and specifications and as directed by the Engineer.

Included in the price bid hereunder shall be the cost of all labor, material and equipment required to locate, excavate and setup insertion and receiving pits (including saw cutting and removal of the existing pavements, earth excavation of all materials of whatever nature encountered (See **Section 40.03 - Earth Excavation**); sheeting and bracing; pumping; bridging; carefully hand excavating if required, removal of existing pipe, backfilling and compaction, cleaning up, disposal of surplus and rejected excavated materials, etc.), and cut/remove portion of water main at insertion and extraction points.

Included in the price hereunder shall be the cost of any temporary water service provided to the customers. No separate or additional payment will be made for this work.

In addition, included in the price hereunder shall be the cost for all television inspection and digital audio-visual recording specified in **Subsections 60.41.2(L), 60.41.2(P) and 60.41.2(S)**. No separate or additional payment will be made for this work.

60.41.6 SEPARATE PAYMENT

Payment for re-opening of house water service connections shall be made under the contract Item No. 52.61RC - RE-OPENING OF SERVICE CONNECTIONS.

Payment for all labor, materials and equipment required or ordered to reconstruct, complete, those portions of existing water mains removed so as to provide access for cured-in-place-pipe lining process at the insertion/extraction pits with new pipe, valves, appurtenances, connections, etc. shall be made under the respective bid items for furnishing, delivering, laying, installing and setting pipe, valves, appurtenances, connections, etc. Also included in the prices bid for the respective bid items shall be the cost for all labor, materials and equipment required for any additional excavation, and additional or removed and reinstalled sheeting and bracing required in order to remove the portions of existing water mains required or ordered.

Payment for Reconstruction Of Existing Water Mains Using D.E.P. Approved Cured-In-Place-Pipe (CIPP) Lining Method will be made under the Item Number as calculated below:

The Item Numbers for Reconstruction Of Existing Water Mains Using D.E.P. Approved Cured-In-Place-Pipe (CIPP) Lining Method have ten characters. (The decimal point is considered a character, the third character.)

(1) The first five characters shall define Reconstruction Of Existing Water Mains Using D.E.P. Approved Cured-In-Place-Pipe (CIPP) Lining Method:

60.41

(2) The sixth, seventh and eighth characters shall define Reconstruction Of Existing Water Mains Using D.E.P. Approved Cured-In-Place-Pipe (CIPP) Lining Method:

CPL - Reconstruction Of Existing Water Mains Using D.E.P. Approved Cured-In-Place-Pipe (CIPP) Lining Method

(3) The ninth and tenth characters shall define the Diameter of the Existing Water Main to be lined. (The ninth and tenth characters representing the unit of inches for the Diameter of the Existing Water Main to be lined.) See examples below:

08 - 8"

12 - 12"

(4) Examples of Item Numbers together with Description and Pay Unit as provided in the Bid Schedule are provided below:

| Item No. | Description | Pay Unit |
|------------|--|----------|
| 60.41CPL08 | RECONSTRUCTION OF EXISTING 8-INCH DIAMETER WATER MAIN, USING D.E.P. APPROVED CIPP LINING METHOD | L.F. |
| 60.41CPL12 | RECONSTRUCTION OF EXISTING 12-INCH DIAMETER WATER MAIN, USING D.E.P. APPROVED CIPP LINING METHOD | L.F. |

- (6) 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) In 21st Avenue between Shore Boulevard and 41st Street, Astoria Boulevard South between 31st Street and 34th Street and Ditmars Boulevard between 78th Street and 81st Street including all intersections the restoration shall be as follows:
 - (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.
 - (2) In all other street areas the restoration shall be as follows:
 - (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:
 - (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> | <u>Item</u> | Payment Description |
|-----------------|---|---|
| 4.02 AB-R | Asphaltic Concrete Wearing Course, 1-1/2" Thick | (For asphaltic concrete wearing course top course when <u>no</u> overlay is required.) |
| 4.02 AF-R | Asphaltic Concrete Wearing Course, 2" Thick | (For 2" asphaltic concrete wearing course overlay from curb to curb or edge to edge.) |
| 4.02 CA | 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 provide a leveling course prior to overlay where ordered.) |
| 4.04 B | Concrete Base For Pavement,
Variable Thickness For Trench
Restoration, Class B-32 | (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 twenty-six (26) pages plus five (5) pages of attachments.



Department of Transportation

POLLY TROTTENBERG, Commissioner

OCMC TRAFFIC STIPULATIONS

FEBRUARY 12, 2015

OCMC FILE NO:

QEC-14-524

CONTRACT NO:

NYCDDC CONTRACT NO. QED1005

PROJECT:

INSTALLATION OF WATERMAINS AND APPURTENANCES IN VARIOUS LOCATIONS

LOCATION(S):

ASTORIA BLVD FROM 21st STREET TO 45th STREET DTMARS BLVD FROM 45th STREET TO 47th STREET DITMARS BLVD FROM HAZEN STREET TO 8131 STREET

NEWTOWN AVENUE FROM 21st STREET TO CRESCENT STREET

21ST AVENUE FROM SHORE BLVD TO 41ST STREET 23RD AVENUE FROM 26TH STREET TO 29TH STREET

HOYT AVENUE FROM CRESCENT STREET TO 32ND STREET

CRESCENT STREET FROM HOYT AVENUE NORTH TO HOYT AVENUE SOUTH

CRESCENT STREET FROM ASTORIA BLVD TO NEWTOWN AVENUE 27TH STREET FROM DITMARS BLVD TO HOYT AVENUE SOUTH

29TH STREET FROM 20TH AVENUE TO ASTORIA BLVD AND DEAD END

30TH STREET FROM ASTORIA BLVD TO NEWTOWN AVENUE

31ST STREET FROM 23RD AVENUE TO ASTORIA BLVD STEINWAY STREET FROM 19TH AVENUE TO 20TH AVENUE 47THB STREET FROM DITMARS BLVD TO ASTORIA BLVD 76TH STREET FROM HAZEN STREET TO ASTORIA BLVD

PERMISSION IS HEREBY GRANTED TO THE {AGENCY} AND ITS DULY AUTHORIZED AGENT, TO ENTER UPON AND RESTRICT THE FLOW OF TRAFFIC AT THE ABOVE LOCATION(S) FOR THE PURPOSE OF CARRYING OUT THE ABOVE NOTED PROJECT, SUBJECT TO THE STIPULATIONS, AS NOTED BELOW:

A. SPECIAL STIPULATIONS

- EMBARGOES A CONSTRUCTION EMBARGO WILL APPLY TO THOSE LOCATIONS BELOW WHICH FALL WITHIN THE HOLIDAY EMBARGO OR ANY OTHER SPECIAL EVENT EMBARGOES SUCH AS THE {OTHER EMBARGOES IF APPLICABLE} AS PUBLISHED BY THE BUREAU OF PERMIT MANAGEMENT AND CONSTRUCTION CONTROL.
- BIKE LANES IF WORK IS IN OR AFFECTING A BIKE LANE, THE PERMITTEE 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).
- BIKE SHARE STATIONS: THE PERMITTEE SHALL NOT REMOVE, RELOCATE, DAMAGE OR DISRUPT THE OPERATION OF EXISTING BIKE Share stations without first contacting NYC Bike Share at 855-245-3311 for their requirements prior to COMMENCING WORK.
- 4. BUS STOPS THE PERMITTEE 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.
- STREET LIGHTS / TRAFFIC SIGNALS: THE PERMITTEE SHALL NOT REMOVE OR RELOCATE EXISTING STREET LIGHTS OR TRAFFIC SIGNALS WITHOUT FIRST OBTAINING APPROVAL FROM NYCDOT STREET LIGHTING / TRAFFIC SIGNALS UNIT.
- 6. TRAFFIC CAMERAS, DETECTION/COMMUNICATION EQUIPMENT: IF AT ANY TIME DURING THE APPROVED WORK, THE PERMITTEE ENCOUNTERS TRAFFIC SURVEILLANCE CAMERAS, DETECTION EQUIPMENT OR ANY TYPE OF COMMUNICATION EQUIPMENT (WIRELESS OR HARD-WIRED) ON ANY NYC DOT FACILITY, THAT IS NOT INCLUDED ON THE DESIGN/BUILD DRAWINGS, THE PERMITTEE SHALL IMMEDIATELY NOTIFY NYC DOT TRAFFIC MANAGEMENT BY PHONE AT 718-433-3390 OR 718-433-3340 AND VIA EMAIL AT IMC@DOT, NYC.GOV AND AWAIT DIRECTION PRIOR TO CONTINUING WORK.
- 7. METERS THE PERMITTEE SHALL NOT REMOVE OR RELOCATE PARKING METERS WITHOUT FIRST OBTAINING APPROVAL FROM NYCDOT PARKING METER DIVISION AT 718 - 894 - 8651.

NYC Department of Transportation

reau of Permit Management and Construction Control

-30 Thomson Avenue - 2nd Floor South

Long Island City, NY 11101

T: 212.839.9621 F: 718.391.3631

www.nyc.gov/dot

OCMC FILE NO:

QWC-14-524

CONTRACT NO: PROJECT:

NYCDDC CONTRACT NO. QED1005

INSTALLATION OF WATERMAINS AND APPURTENANCES IN VARIOUS LOCATIONS

Page 2 of 5

8. TEST PTIS — THE BELOW TRAFFIC STIPULATIONS DO NOT APPLY TO TEST PTI WORK RELATED TO THIS CONTRACT. WORK HOURS AND OTHER REQUIREMENTS FOR TEST PTI OPERATIONS MAY DIFFER FROM THE STIPULATIONS IDENTIFIED BELOW. THE PERMITTEE SHALL BE REQUIRED TO OBTAIN SEPARATE PERMITS RELATED TO TEST PTIS.

FEBRUARY 12, 2015

- 9. TEMPORARY PARKING REGULATIONS/PAVEMENT MARKINGS THE PERMITTEE IS REQUIRED TO INSTALL, MAINTAIN AND REMOVE ALL NECESSARY TEMPORARY PARKING AND REGULATORY SIGNS AND PAVEMENT MARKINGS, AND RESTORE THEIR ORIGINAL CONDITION PER NYC DOT STANDARDS, PRIOR TO EXPIRATION OF THEIR PERMITS. THE PERMITTEE OR AGENCY PERFORMING PUBLIC OUTREACH SHALL POST AND MAINTAIN ADVISORY SIGNS A MINIMUM OF 48 HOURS PRIOR TO CHANGING EXISTING PARKING REGULATION SIGNS TO APPROVED TEMPORARY CONSTRUCTION PARKING REGULATION SIGNS. THE ADVISORY SIGNS SHOULD BE POSTED ON ALL POLES AND DRIVE RAILS ON THE SEGMENT AFFECTED, INDICATING THE DATE OF THE CHANGE, THE NEW REGULATIONS AND A TELEPHONE NUMBER TO OBTAIN MORE INFORMATION.
- 10. ACCESS TO ABUTTING PROPERTIES THE PERMITTEE SHALL COORDINATE ALL ACTIVITIES WITH ABUTTING PROPERTY OWNERS TO ENSURE ACCESS IS PROVIDED TO/FROM ENTRANCES/DRIVEWAYS AT ALL TIMES.
- 11. <u>AUTHORIZED PARKING</u> PRIOR TO PERFORMING WORK WHICH IMPACTS AUTHORIZED PARKING, THE PERMITTEE 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.
- 12. NOTIFICATION THE PERMITTEE 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.
- 13. CONSTRUCTION INFORMATIONAL SIGNS THIS PROJECT REQUIRES A CONSTRUCTION PROJECT INFORMATIONAL SIGN (CPIS) IN ACCORDANCE WITH NYCDOT HIGHWAY RULE SECTION 2-02 (4) AND (5). CRITERIA AND A PROTOTYPE FOR THIS SIGN MAY BE FOUND ON THE NYCDOT WEBSITE AT:

HTTP://WWW.NYC.GOV/HTML/DOT/DOWNLOADS/PDF/DOT_CPIS_DIRECTIONS.PDF

14. ENHANCED MITIGATIONS

- O <u>ENHANCED MITIGATIONS FOR PEDESTRIAN FLOW</u>, INCLUDING METAL FENCING, SHALL BE PROVIDED TO ENSURE PEDESTRIANS STAY WITHIN THEIR DESIGNATED PATH/ROUTE. FLAGGERS SHALL BE PROVIDED TO ASSIST WITH PEDESTRIANS AT THE DESIGNATED CROSSWALK AREAS. THESE FLAGGERS SHALL BE ASSIGNED TO THIS FUNCTION ONLY.
- VARIABLE MESSAGE SIGNS (VMS) SHALL BE PROVIDED FOR THIS PROJECT. THE LOCATIONS AND MESSAGES SHALL BE RECOMMENDED BY NYCDDC AND THEIR CONTRACTOR A MINIMUM OF TWO (2) WEEKS PRIOR TO WORK COMMENCING, FOR OCMC REVIEW AND APPROVAL.
- O <u>"NO STANDING ANYTIME-TEMPORARY CONSTRUCTION" SIGNS</u> 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. ASTORIA BLVD FROM 33RD STREET TO 45TH STREET

work hours shall be as follows:

From 9:00 AM to 4PM, Monday thru Friday From 9AM to 6PM Saturdays and Sundays

- The contractor shall maintain 4-11 foot lanes, 2-11 foot lanes on each side of the divider for northeast-bound and west bound traffic during working hours
- The contractors shall occupy maximum half the width of any intersection during working hours and maintain 2-way traffic in the remaining half width of the intersection.
- The contractor shall not work in more than two consecutive street blocks at a time.
- The contractor shall maintain minimum 5-foot clear sidewalk on both sides during working hours.
- The contractor shall restore the full width of the street at the end of the working hours either by backfilling the excavation or covering it with steel plates
- The contractor shall restore the full width of the sidewalks after working hours.

OCMC FILE NO:

QWC-14-524

CONTRACT NO:

NYCDDC CONTRACT NO. QED1005

PROJECT:

INSTALLATION OF WATERMAINS AND APPURTENANCES IN VARIOUS LOCATIONS

Page 3 of 5

B. MAINTENANCE AND PROTECTION OF TRAFFIC (continued)

- 2. ASRORIA BLVD FROM 21st STREET TO 32ND STREET:
- 3. <u>NEWTOWN AVENUE FROM 21⁵¹ STREET TO CRESCENT STREET:</u>
- 4. DITMARS BLVD FROM HAZEN STREET TO 81ST STREET:
- 5. DITMARS BLVD FROM 45TH STREET TO 47TH STREET:
 - work hours shall be as follows:

From 9:00 AM to 4PM, Monday thru Friday

FEBRUARY 12, 2015

From 9AM to 6PM Saturdays and Sundays

- The contractor shall maintain 2-11 foot lanes, 1-11 foot lane in each direction for two-way traffic
- The contractors shall occupy maximum half the width of any intersection during working hours and maintain 2-way traffic in the remaining half width of the intersection.
- The contractor shall not work in more than two consecutive street blocks at a time.
- The contractor shall maintain minimum 5-foot clear sidewalk on both sides during working hours.
- The contractor shall restore the full width of the street at the end of the working hours either by backfilling the excavation or covering it with steet plates
- The contractor shall restore the ful width of the sidewalks after working hours.
- 6. 2157 AVENUE FROM SHORE BLVD TO 4157 STREET:
- 7. 23RD AVENUE FROM 26TH STREET TO 29TH STREET:

8. STEINWAY STREET FROM 19TH AVENUE TO 20TH AVENUE:

Work hours shall be as follows:

7AM to 6PM, Monday thru Friday

From 9AM to 6PM Saturdays and Sundays

- The contractor shall maintain 2-11 foot lanes, 1-11 foot lane in each direction for two-way traffic
- The contractors shall occupy maximum half the width of any intersection during working hours and maintain 2-way traffic in the remaining half width of the intersection.
- The contractor shall not work in more than two consecutive street blocks at a time.
- The contractor shall maintain minimum 5-foot clear sidewalk on both sides during working hours.
- The contractor shall restore the full width of the street at the end of the working hours either by backfilling the excavation or covering it with steet plates
- The contractor shall restore the ful width of the sidewalks after working hours.

9. 31st STREET FROM 23RD AVENUE TO ASTORIA BLVD:

work hours shall be as follows:

From 9:00 AM to 4PM, Monday thru Friday From 9AM to 6PM Saturdays and Sundays

- The contractor shall maintain 2-11 foot lanes, 1-11 foot lanes on each side of the divider for twoway traffic during working hours
- The contractors shall occupy maximum half the width of any intersection during working hours and maintain 2-way traffic in the remaining half width of the intersection.
- The contractor shall not work in more than two consecutive street blocks at a time.
- The contractor shall maintain minimum 5-foot clear sidewalk on both sides during working hours.
- The contractor shall restore the full width of the street at the end of the working hours either by backfilling the excavation or covering it with steel plates
- The contractor shall restore the full width of the sidewalks after working hours.

10. HOYT AVENUE FROM CRESCENT STREET TO 32ND STREET

work hours shall be as follows:

From 9:00 AM to 4PM, Monday thru Friday
From 9AM to 6PM Saturdays and Sundays

- The contractor shall maintain 2-11 foot lanes for one-way traffic during working hours
- The contractors shall occupy maximum half the width of any intersection during working hours and maintain 2-way traffic in the remaining half width of the intersection.
- The contractor shall not work in more than two consecutive street blocks at a time.
- The contractor shall maintain minimum 5-foot clear sidewalk on both sides during working hours.
- The contractor shall restore the full width of the street at the end of the working hours either by backfilling the excavation or covering it with steel plates
- The contractor shall restore the full width of the sidewalks after working hours.

OCMC FILE NO: CONTRACT NO:

QWC-14-524

PROJECT:

NYCDDC CONTRACT NO. QED1005

INSTALLATION OF WATERMAINS AND APPURTENANCES IN VARIOUS LOCATIONS

FEBRUARY 12, 2015

Page 4 of 5

B. MAINTENANCE AND PROTECTION OF TRAFFIC (continued)

- 11. CRESCENT STREET FROM HOYT AVENUE NORTH TO HOYT AVENUE SOUTH
- 12. CRESCENT STREET FROM ASTORIA BLVD TO NEWTOWN AVENUE
- 13. 27TH STREET FROM DITMARS BLVD TO HOYT AVENUE SOUTH
- 14. 29TH STREET FROM 20TH AVENUE TO ASTORIA BLVD AND DEAD END
- 15. 30TH STREET FROM ASTORIA BLVD TO NEWTOWN AVENUE
- 16. 47THB STREET FROM DITMARS BLVD TO ASTORIA BLVD
- 17. 76TH STREET FROM HAZEN STREET TO ASTORIA BLVD Work hours shall be as follows:

7AM to 6PM, Monday thru Friday

- From 9AM to 6PM Saturdays and Sundays The contractors shall maintain 1-12 foot lane for local and emergency traffic during working hours.
- The contractors shall occupy maximum half the width of any intersection during working hours and maintain 2-way traffic in the remaining half width of the intersection.
- Full sidewalk closure allowed for sidewalks less than 15 Ft wide. Post Signs meeting NYCDOT Specs at work zone and at both Intersections directing Pedestrians to opposite sidewalk, Maintain 5-Foot clear for pedestrians on sidewalks 15-Foot or more in width. After working hours minimum of 5-foot of sidewalk must be maintained for pedestrians in both cases
- The contractor shall not work in more than two consecutive street blocks at a time.
- The contractor shall restore the full width of the street at the end of the working hours either by backfilling the excavation or covering it with steel plates
- The contractor shall restore the full width of the sidewalks after working hours.

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
- 2. THE CONTRACTOR MUST COMPLY WITH ALL CONSTRUCTION EMBARGOS ISSUED BY THE NYCDOT INCLUDING THE HOLIDAY EMBARGO.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE NYCDOT SPECIAL EVENTS UNIT AS IDENTIFIED BELOW:

STREET FAIRS / FESTIVALS

- ALL EXCAVATIONS MUST BE PLATED WITH SKID RESISTANT PLATES.
- PLATES MUST BE RECESSED AND FLUSH WITH PAVEMENT.
- ALL PAVEMENT DEFECTS MUST BE CORRECTED WITHIN OR ADJACENT TO THE WORK ZONE.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DEFECTS WITHIN THE IMMEDIATE VICINITY IF NYCDOT STREET & ARTERIAL MAINTENANCE CANNOT MAKE REPAIRS DUE TO PROJECT INTERFERENCE (AS DETERMINED BY NYCDOT).
- ALL EQUIPMENT, TRAILERS AND MATERIAL STORAGE MUST BE REMOVED.

RUNNING / WALKING / BIKING EVENTS

- ALL EXCAVATIONS MUST BE BACKFILLED AND PAVED OR PLATES MUST BE RECESSED AND PAVED OVER FLUSH WITH PAVEMENT.
- ALL PAVEMENT DEFECTS MUST BE CORRECTED WITHIN OR ADJACENT TO THE WORK ZONE.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DEFECTS WITHIN THE IMMEDIATE VICINITY IF NYCDOT STREET & ARTERIAL MAINTENANCE CANNOT MAKE REPAIRS DUE TO PROJECT INTERFERENCE (AS DETERMINED BY NYCDOT).
- ALL EQUIPMENT, TRAILERS AND MATERIAL STORAGE MUST BE REMOVED.

- ALL EXCAVATIONS MUST BE BACKFILLED AND PAVED OR PLATES MUST BE RECESSED AND PAVED OVER FLUSH WITH PAVEMENT.
- FORMATION AND DISPERSAL AREA PLATES MUST BE RECESSED AND FLUSH WITH PAVEMENT (PLATES MUST BE SKID RESISTANT).
- ALL PAVEMENT DEFECTS MUST BE CORRECTED WITHIN OR ADJACENT TO THE WORK ZONE.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DEFECTS WITHIN THE IMMEDIATE VICINITY IF NYCDOT STREET & ARTERIAL MAINTENANCE CANNOT MAKE REPAIRS DUE TO PROJECT INTERFERENCE (AS DETERMINED BY NYCDOT).
- ALL EQUIPMENT, TRAILERS AND MATERIAL STORAGE MUST BE REMOVED.

OCMC FILE NO: CONTRACT NO: PROJECT:

QWC-14-524

NYCODC CONTRACT NO. QED1005

INSTALLATION OF WATERMAINS AND APPURTENANCES IN VARIOUS LOCATIONS

Page 5 of 5

FEBRUARY 12, 2015

MAYORAL EVENTS

- ALL EXCAVATIONS MUST BE BACKFILLED AND PAVED OF PLATES MUST BE RECESSED AND PAVED OVER FLUSH WITH PAVEMENT.
- ALL PAVEMENT DEFECTS MUST BE CORRECTED WITHIN OR ADJACENT TO THE WORK ZONE.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DEFECTS WITHIN THE IMMEDIATE VICINITY IF NYCDOT STREET & ARTERIAL MAINTENANCE CANNOT MAKE REPAIRS DUE TO PROJECT INTERFERENCE (AS DETERMINED BY NYCDOT). ALL EQUIPMENT, TRAILERS AND MATERIAL STORAGE MUST BE REMOVED.
- 4. 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.
- 5. 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.
- 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
- THE PERMITTEE SHALL ADHERE TO THE NYCOOT 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
- 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.
- 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 NYCHOT PLANNING AND OBTAIN THEIR APPROVAL BEFORE APPLYING FOR PERMITS, IN COMPLIANCE WITH THE PROVISIONS OF LOCAL LAW 24 STREET GLOSURE LAW.
- 10. 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-
- 11. 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
- 12. THE OCMC-STREETS RESERVES THE RIGHT TO VOID OR MODIFY THESE STIPULATIONS SHOULD CONSTRUCTION FAIL TO COMMENCE WITHIN

NICOLAS DAGHER, P.E. **EXECUTIVE DIRECTOR**

OCMC-STREETS

MAZHAR JAMIL PROJECT MANAGER

OCMC-STREETS

NO TEXT THIS PAGE

ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

Together With All Work Incidental Thereto BOROUGH OF QUEENS

| ADDENDUM NO. 3 | |
|----------------------|--|
| DATED: June 23, 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.

GAS COST SHARING (EP-7) STANDARD SPECIFICATIONS

EP-7 GAS COST SHARING STANDARD SPECIFICATIONS

TABLE OF CONTENT

I - NOTICE TO ALL BIDDERS; GAS COST SHARING WORK

II - GENERAL PROVISIONS; GAS COST SHARING WORK

- 1. General
- 2. Gas Interferences And Accommodations
 - 2a. Water Main Accommodations
 - 2b. Sewer Accommodations
- 3. Quantity Overruns, EP-7 Funded Bid Items
- 4. Changes And Extra Work
- 5. Excavation
- 6. Backfilling And Street Restoration
- 7. Non-Responsive Bids
- 8. Minimum Clearances
- 9. Work By Facility Operator
- 10. Materials Furnished By Facility Operator
- 11. Liability And Insurance
- 12. Width And Depth Of Excavation
- 13. Depth And Crossing Angles Of Gas Facilities
- 14. Maintenance Of Traffic For Gas Work
- 15. Relocated Gas And Temporary Systems Installation
- 16. Role Of Company Inspector
- 17. Coordination With Gas Company

III - TECHNICAL SECTION

- SECTION 6.01 Trench Crossings; Support And Protection Of Gas Facilities And Services.
- SECTION 6.02 Extra Excavation For The Installation Of Catch Basin Sewer Drain Pipes With Gas Interferences.
- SECTION 6.02.1 Extra Excavation For The Installation Of Catch Basin Sewer Drain Pipes With Upstream Inverts Greater Than Six (6) Feet.
- SECTION 6.03 Removal Of Abandoned Gas Facilities. All Sizes.
- SECTION 6.03.1 Removal Of Abandoned Gas Facilities With Possible Coal Tar Wrap. All Sizes. (For National Grid Work Only)
- SECTION 6.03.1a Removal Of Abandoned Gas Facilities With Possible Coal Tar Wrap. All Sizes. (For Con Edison Work Only)
- SECTION 6.04 Adjust Hardware To Grade Using Spacer Rings/Adaptors. (Street Repaving.)
- SECTION 6.05 Adjust Hardware To Grade By Resetting. (Road Reconstruction.)
- SECTION 6.06 Special Care Excavation And Backfilling.
- SECTION 6.07 Test Pits For Gas Facilities.

IV - STANDARD SKETCHES; GAS COST SHARING WORK

- NO. 1 Support Requirements For Gas Mains And Services Crossing Excavation Greater Than 4'0" Wide At Any Angle
- NO. 1A Support Requirements For Gas Mains Over 16" Diameter Up To And Including 48" Diameter Crossing Excavation At Any Angle
- NO. 2 Typical Methods Of Measurement For Gas Crossings
- NO. 3 Utility Crossings During Catch Basin Chute Connection Pipe Installation
- NO. 4 Utility Crossings During Catch Basin Chute Connection Pipe Installation (Extra Depth)
- NO. 5 Gas Main Encroachment On And/Or Parallel To Excavation Of Unsheeted Trench

V - PRELIMINARY GAS WORK TO BE PERFORMED BY FACILITY OPERATOR

VI - LISTING OF APPROXIMATE LOCATIONS OF EP-7 BID ITEMS QUANTITIES

I - NOTICE TO ALL BIDDERS; GAS COST SHARING WORK

All prospective bidders are hereby advised that, pursuant to the "Gas Facility Cost Allocation Act", ("the Act"), the City of New York has entered into an agreement ("the Agreement") with the gas companies (Con Edison or National Grid (formerly KeySpan Energy Delivery)) operating in their respective areas of the City to "share" the cost of facility relocation and/or support and protection of facilities disturbed by proposed water and/or sewer and related City work specified in this contract. Therefore, bid items, specifications and estimated quantities for the incremental costs of support and protection of certain gas facilities have been included in this contract. The low bid for this contract shall be determined by examining each bid for all work to be performed under this contract including any work of support and protection of gas facilities to be performed. The Contractor shall not seek additional compensation from gas companies except as specifically set forth in its contract.

II - GENERAL PROVISIONS; GAS COST SHARING WORK

1. General:

The Contractor shall perform City work with interferences from existing live and abandoned gas facilities. This shall be defined as utility work. Therefore, this contract 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. Wherethe 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:

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 Repaying.)

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. 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. 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

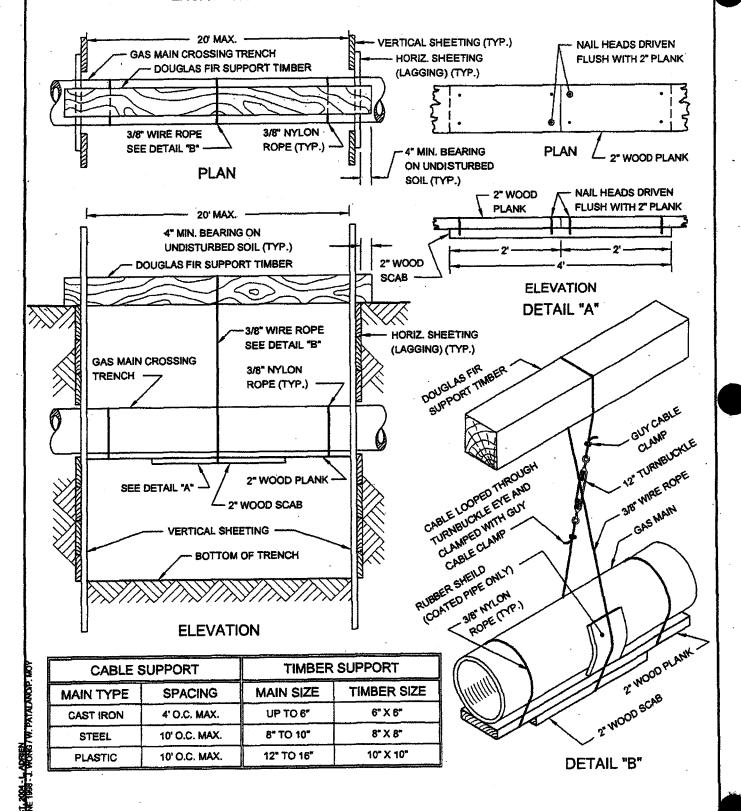
IV - STANDARD SKETCHES; GAS COST SHARING WORK

Hereinafter attached are the following Standard Sketches for Gas Cost Sharing Work:

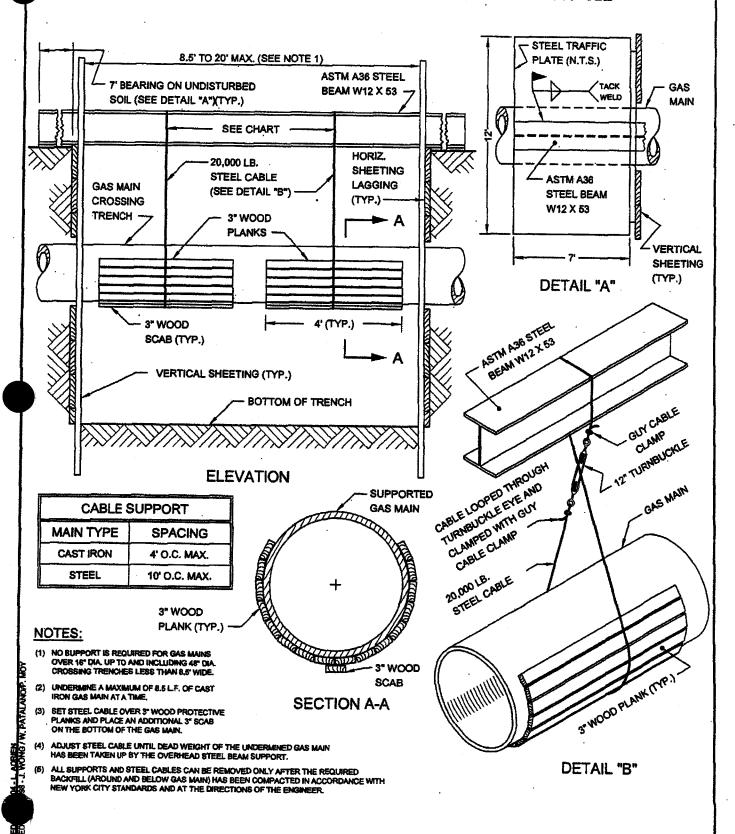
- Sketch No. 1 Support Requirements For Gas Mains And Services Crossing Excavation Greater Than 4' 0" Wide At Any Angle
- Sketch No. 1A Support Requirements For Gas Mains Over 16" Diameter Up To And Including 48" Diameter Crossing Excavation At Any Angle
- Sketch No. 2 Typical Methods Of Measurement 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)

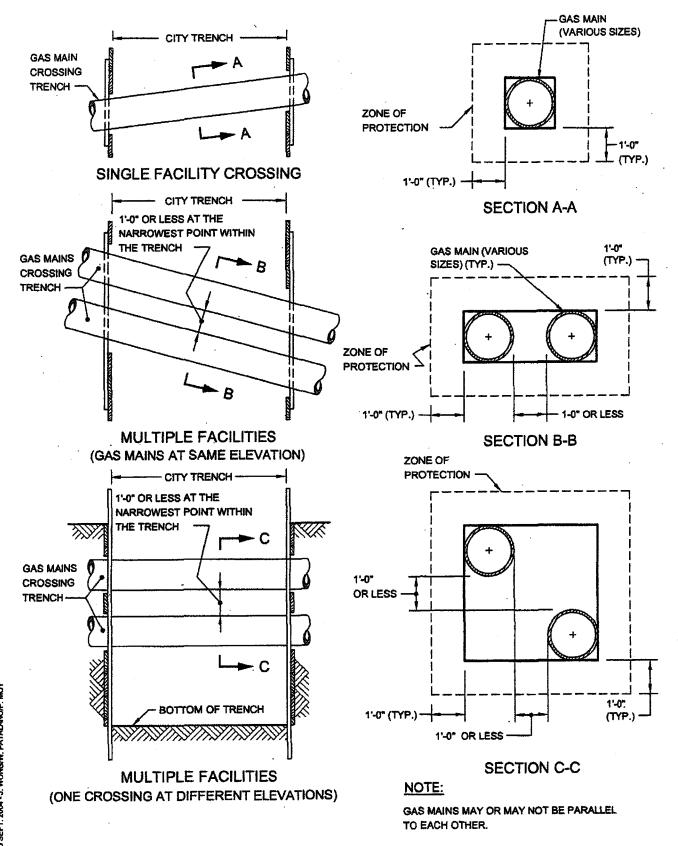
SUPPORT REQUIREMENTS FOR GAS MAINS AND SERVICES CROSSING EXCAVATION GREATER THAN 4'-0" WIDE AT ANY ANGLE



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

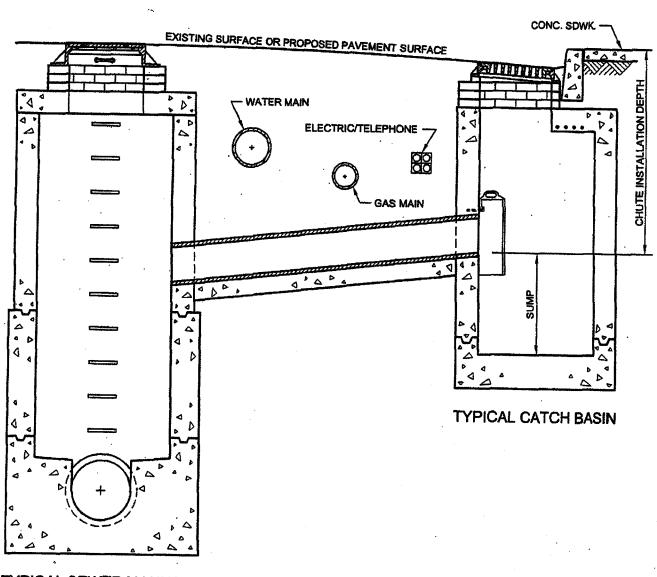


GAS COST SHARING WORK (SKETCH NO. 2) TYPICAL METHODS OF MEASUREMENT FOR GAS CROSSINGS



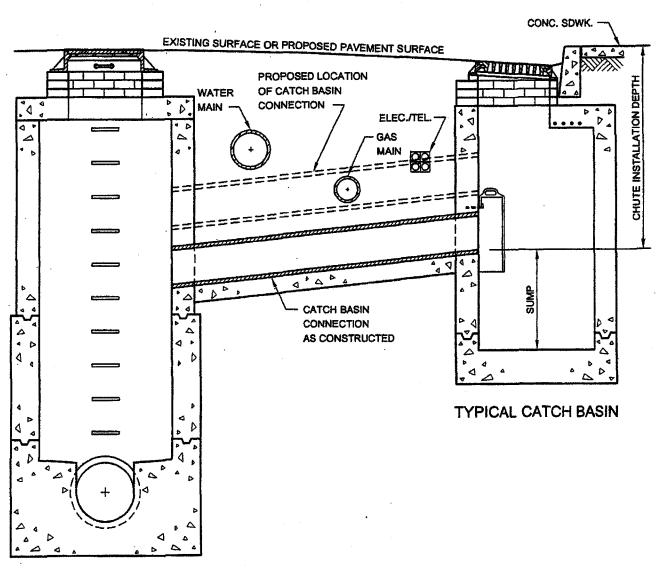
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GAS COST SHARING WORK (SKETCH NO. 3) UTILITY CROSSINGS DURING CATCH BASIN CHUTE CONNECTION PIPE INSTALLATION

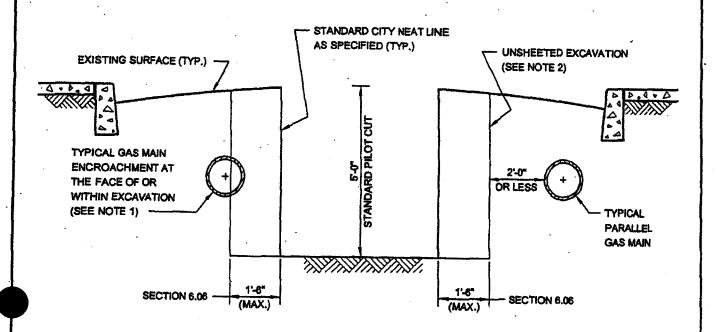


TYPICAL SEWER MANHOLE

GAS COST SHARING WORK (SKETCH NO. 4) UTILITY CROSSINGS DURING CATCH BASIN CHUTE CONNECTION PIPE INSTALLATION (EXTRA DEPTH)



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 6.08 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.

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PROJECT ID: QED1005

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:

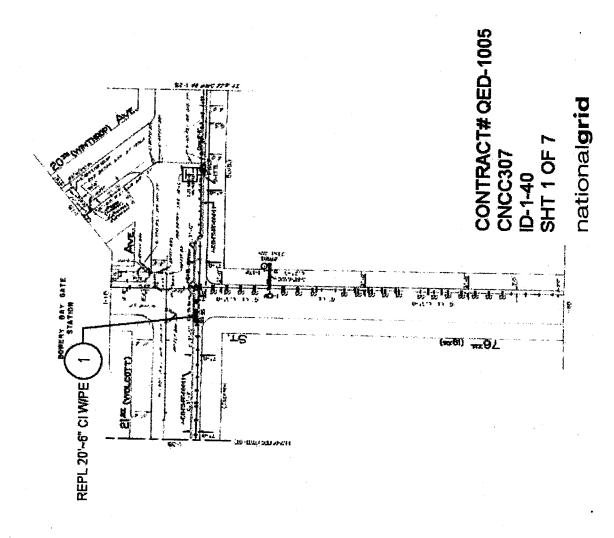
NATIONAL GRID 287 MASPETH AVENUE BROOKLYN, NY 11211 TEL: 718-963-5506

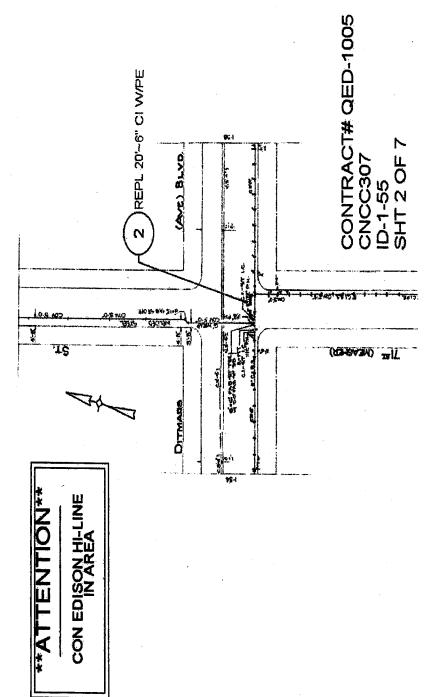
MS. THERESA KONG CONSOLIDATED EDISON 4 IRVING PLACE, 17TH FLOOR NE NEW YORK, NY 10003 TEL.: 212-460-4834

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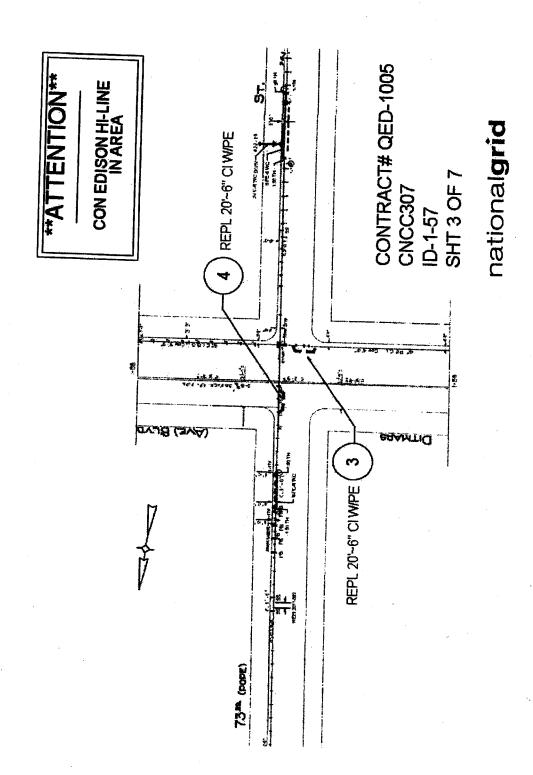
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| | COVER SHT 1 OF 1 MATERIAL LENGTH REIM / NON-REIM ACTIVITY | PE 20' REIM REPL | ST 120 REIM RET | PE 120' REIM INST | ST 135' REIM RET | PE 150' REIM INST | | | | | | | | |
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| QED1005 | PRESSURE | ewc | 9WC | ewc | ewc | OM9 | 6WC | ewc | OW6 | GWC | 9WC | 9WC | 6WC | |
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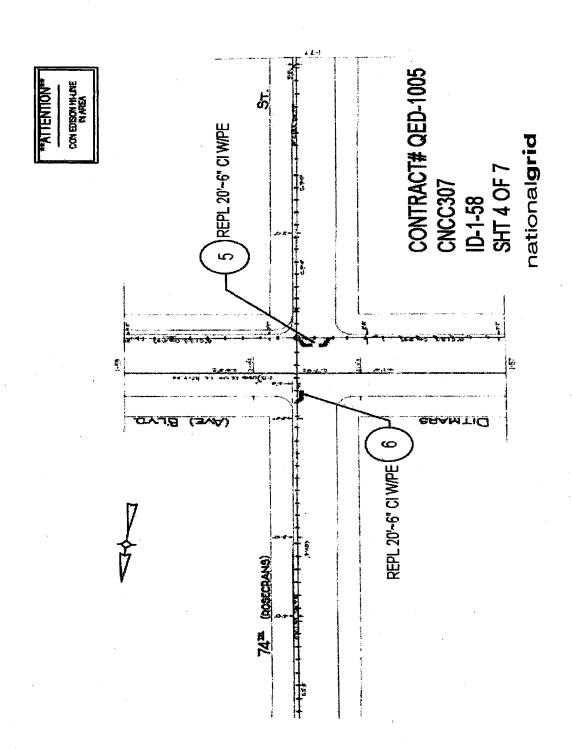


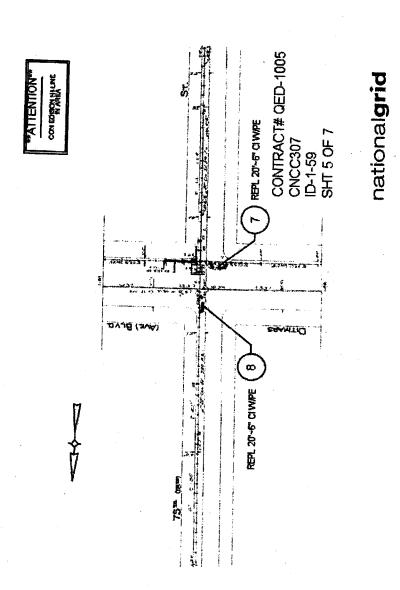


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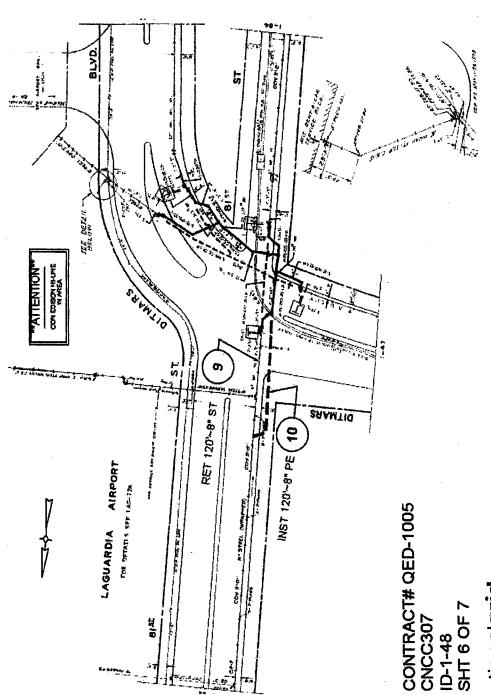


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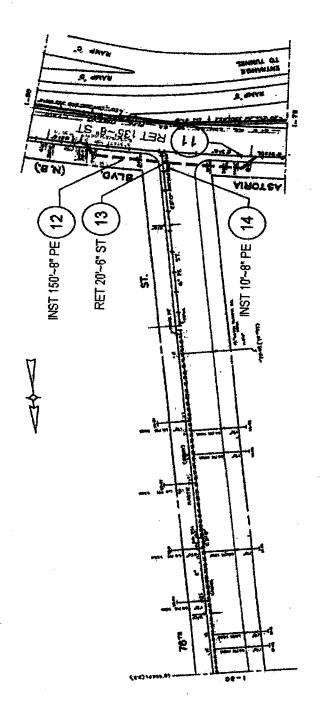




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CONTRACT# QED-1005 CNCC307 ID-1-79 SHT 7 OF 7

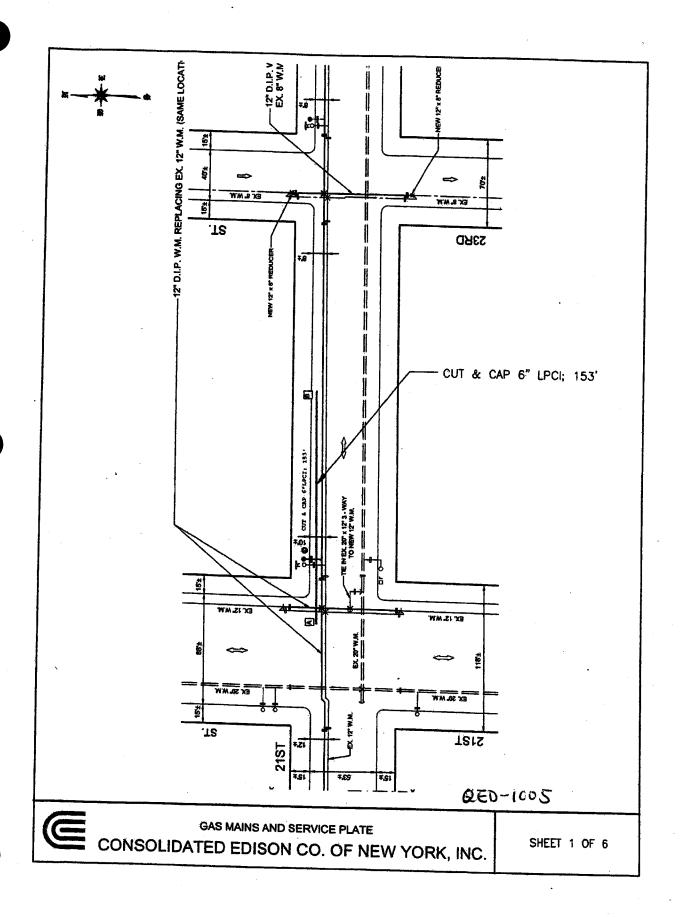
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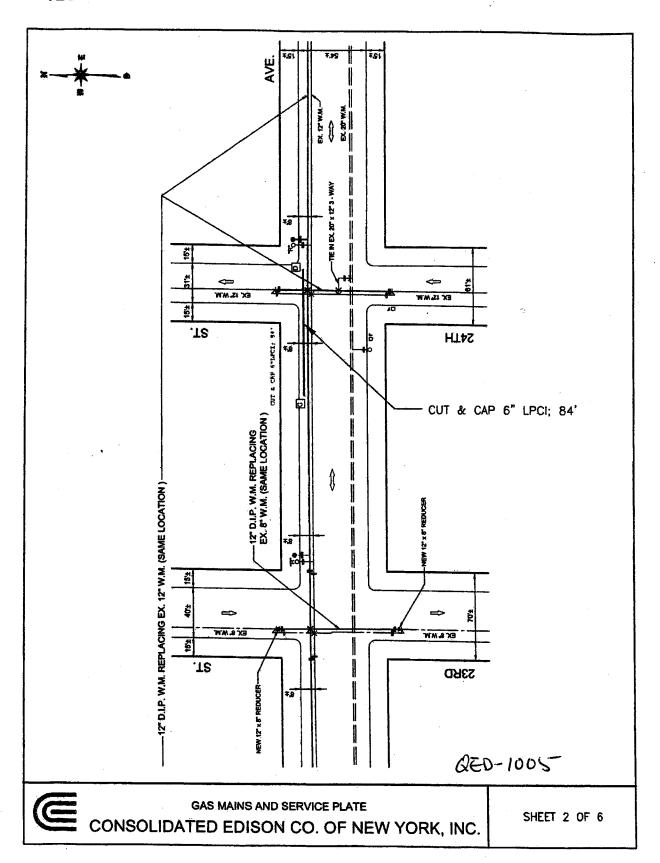
GAS FACILITY COST ALLOCATION AGREEMENT
PROJECT NO. QED-1005
CAPITAL GAS MAIN INSTALLATION

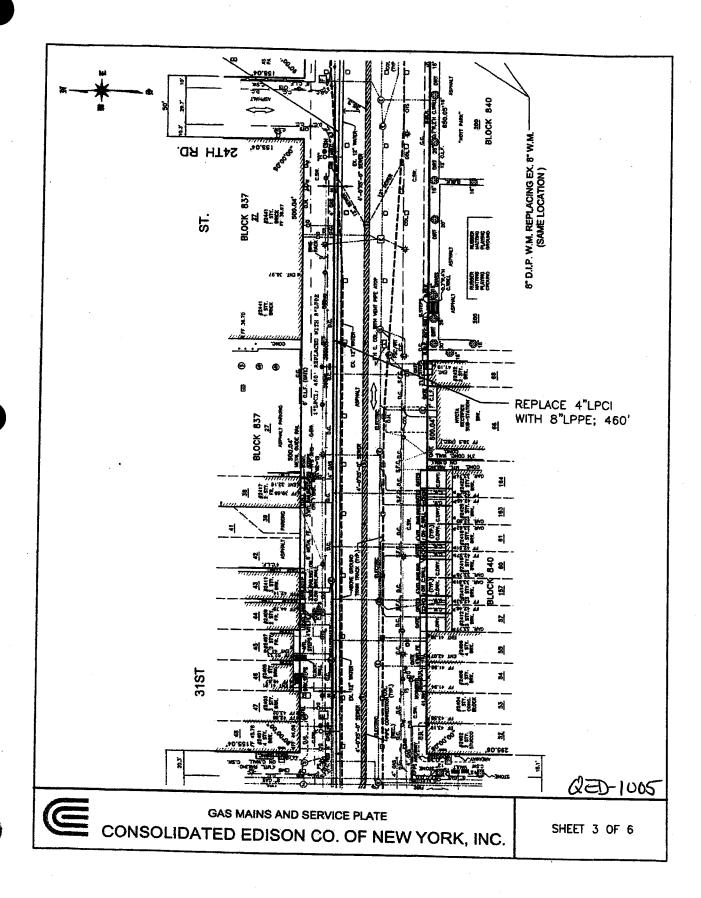
| | DETIDE ANY A CASE | RETIRE 84" +/- 6"CI | RETIRE 480 4-4°C | RETIRE 125" +4- 6"CI | RETIRE 723" +/- 6°C; | RETIRE 500" ++ 6"C! | |
|--------------------|-------------------|---------------------|------------------|---------------------------------------|----------------------|---------------------|--|
| REIMB | | | ··· | · · · · · · · · · · · · · · · · · · · | | | |
| TYPE LENGTH LENGTH | 153 | 22 | 460' | 125 | 723 | 500° | |
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67.1b | |
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24RD | 12ST
12ST | 34AV
34AV | 40AV
40AV | |
| FROM | 21ST | 2387 | 24AV
24AV | BLACKWELLS LN
BLACKWELLS LN | BROADWAY | 39AV
39AV | |
| ON STREET | 21AV | 21AV | 31ST
31ST | ASTORIA BLVD.
ASTORIA BLVD. | 45AV
45AV | 28ST
28ST | |
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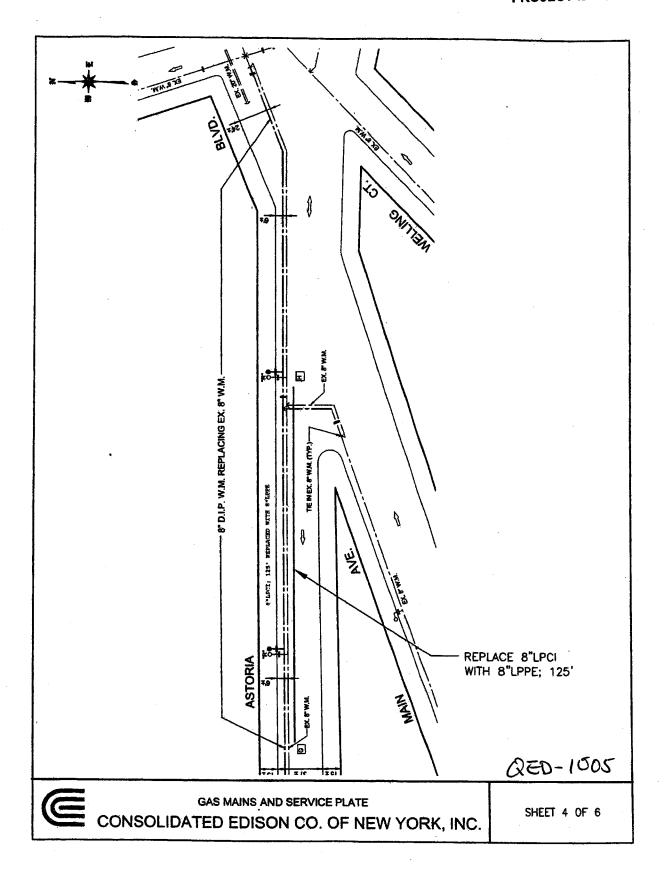
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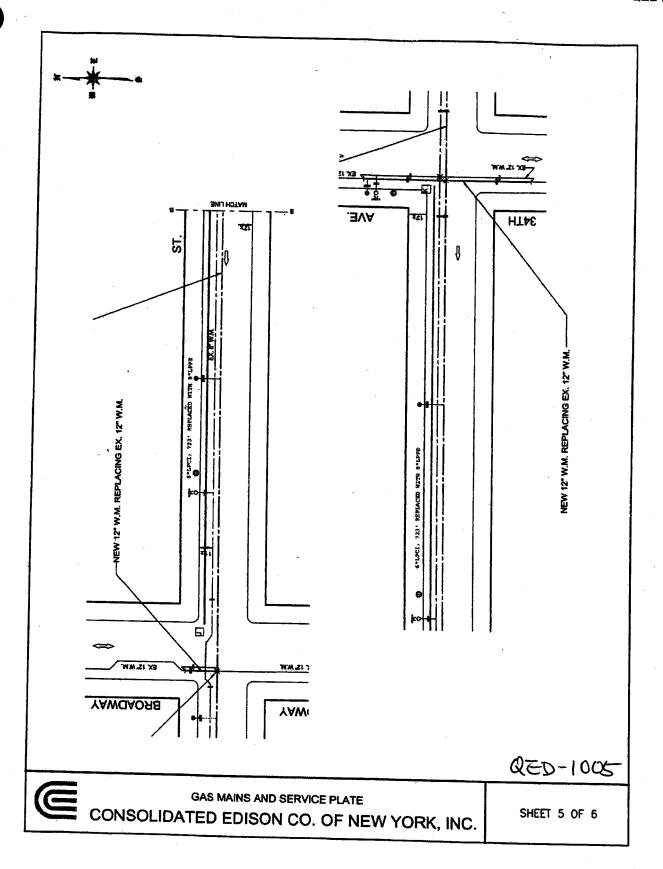
QED1005 - EP7 (2)/Capital Loc's

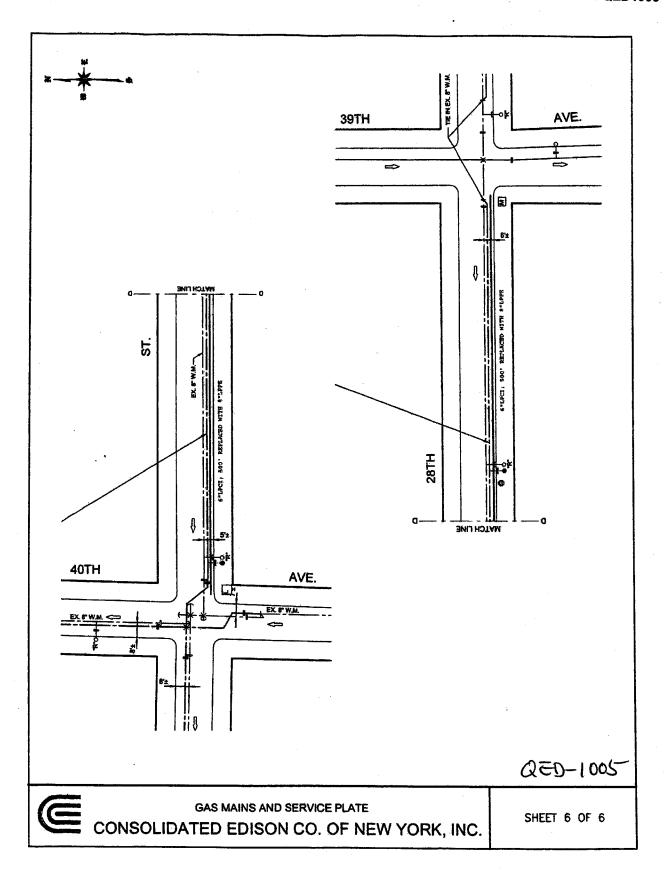












VI - LISTING OF APPROXIMATE LOCATIONS OF EP-7 BID ITEMS QUANTITIES

(NO TEXT IN THIS AREA, TURN PAGE)

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.

6.01.8 - Support & Protect Gas Services Crossing Trenches And/Or Excavations (Ea.)

860 in Various Locations As Required, Including but Not Limited To The Following Locations:

- 21 Ave. Bet. Shore Blvd. & 19 St.
- 21 Ave. Bet. 21 St. & 23 St.
- 21 Ave. Bet. 23 St. & 24 St.
- 21 Ave. Bet. 29 St. & 31 St.
- 21 Ave. Bet. 31 St. & 32 St.
- 21 Ave. Bet. 32 St. & 33 St.
- 21 Ave. Bet. 33 St. & 35 St.
- 21 Ave. Bet. 35 St. & 36 St.
- 21 Ave. Bet. 36 St. & 37 St.
- 21 Ave. Bet. 38 St. & Steinway St.
- 21 Ave. Bet. Steinway St. & 41 St.
- 27 St Bet. 23 Ave. & Ditmars Blvd.
- 23 Ave. Bet. 27 St. & 28 St.
- 23 Ave. Bet. 26 St. & 27 St.

Ditmars Blvd. Bet. 45 St. & 46 St.

- 31 St. Bet. 24 Rd. & 21 Ave.
- 31 St. Bet. 24 Ave. & 23 Rd.
- 31 St. Bet. 23 Rd. & 23 Ave.
- 30 St. Bet. Newtown Ave. & Astoria Blvd.

Astoria Blvd. Bet. 30 St. & 31 St.

Astoria Blvd. Bet. 29 St. & 30 St.

Astoria Blvd. Bet. 22 St. & 23 St.

Astoria Blvd. Bet. 23 St. & Crescent St.

Newtown Ave. Bet. 21 St. & 23 St.

Newtown Ave. Bet. 23 St. & Crescent St.

Astoria Blvd. Bet. Dead End & 8 St.

Astoria Blvd. Bet. 8 St. & Main Ave.

30 Rd. Bet. Vernon Blvd. & 12 St.

- 30 Dr. Bet. 12 St. & 14 St.
- 30 Dr. Bet. 14 St. & 21 St.
- 30 Dr. Bet. 21 St. & 23 St.
- 31 Ave. Bet. Vernon Blvd. & 12 St.
- 31 Ave. Bet. 12 St. & 14 St.
- 31 Ave. Bet. 14 St. & 21 St.

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.

31 Ave. Bet. 21 St. & 23 St.

31 Ave. Bet. 23 St. & Crescent St.

Newtown Rd. Bet. 43 St. & 44 St.

44 St. Bet. Newtown Rd. & 31 Ave.

44 St. Bet. Newtown Rd. & Broadway

Newtown Rd. Bet. 44 St. & 45 St.

45 St. Bet. 31 Ave. & Newtown Rd.

45 St. Bet. Newtown Rd. & Broadway

45 St. Bet. Broadway & 34 Ave.

35 St. @ S/O S. Astoria Blvd.

30 St. @ SSC 36 Ave.

30 St. Bet. 36 Ave. & 35 Ave.

35 Ave. @ EEC 30 St.

30 St. Bet. 35 Ave. & 34 Ave.

30 St. Bet. 34 Ave. & Broadway

30 St. Bet. Broadway & 31 Ave.

30 St. Bet. 31 Ave. & 30 Dr.

30 St. Bet. 30 Dr. & 30 Ave.

38 Ave. Bet. 11 St. & 12 St.

38 Ave. Bet. 12 St. & 13 St.

38 Ave. Bet. 13 St. & 14 St.

11 St. Bet. 38 Ave. & 37 Ave.

11 St. Bet. 37 Ave. & 36 Ave.

38 Ave. Bet. 27 St. & 28 St.

38 Ave. Bet. 28 St. & 29 St.

38 Ave. Bet. 29 St. & 30 St.

38 Ave. Bet. 30 St. & 31 St.

27 St. Bet. 38 Ave. & 39 Ave.

28 St. Bet. 38 Ave. & 39 Ave.

30 St. Bet. 38 Ave. & 39 Ave.

31 St. Bet. 38 Ave. & 39 Ave.

30 St. Bet. 39 Ave. & 40 Ave.

27 St. Bet. 39 Ave. & 40 Ave.

28 St. Bet. 39 Ave. & 40 Ave.

40 Ave. Bet. 27 St. & 28 St.

28 St. Bet. 40 Ave. & 41 Ave.

27 St. Bet. 40 Ave. & 41 Ave.

Steinway St. Bet. 19 Ave. & 20 Ave.

27 St. Bet. N. Hoyt Ave. & 24 Ave.

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.

27 St. Bet. 24 Ave. & 23 Ave.

26 St. Bet. N. Hoyt Ave. & 24 Ave.

29 St. Bet. N. Hoyt Ave. & 24 Ave.

Dorothy Place @ E/O 29 St.

29 St. Bet. 24 Ave. & 23 Ave.

29 St. Bet. 23 Ave. & Ditmars Blvd.

29 St. Bet. Ditmars Blvd. & 21 Ave.

29 St. Bet. 21 Ave. & 20 Ave.

46 St. Bet. Broadway & Newtown Rd.

Newtown Rd. @ E/O 46 St.

46 St. Bet. Newtown Rd. & 31 Ave.

22 St. Bet. N. Queens Plaza & 41 Ave.

22 St. Bet. 41 Ave. & 40 Ave.

22 St. Bet. 40 Ave. & 39 Ave.

22 St. Bet. 39 Ave. & 38 Ave.

22 St. Bet. 38 Ave. & 37 Ave.

22 St. Bet. 37 Ave. & 36 Ave.

23 St. Bet. 21 Ave. & 20 Ave.

36 St. Bet. 21 Ave. & 20 Rd.

37 St. Bet. 21 Ave. & 20 Rd.

41 St. Bet. 21 Ave. & Ditmars Blvd.

6.01.9 - Support & Protect Gas Main Crossing Water Main Up To 20" In Diameter (Ea.)

National Grid Locations:

1 in 76 St. @ Ditmars Blvd.

1 in Ditmars Blvd.. @ Hazen St.

1 in 71 St. @ Ditmars Blvd.

1 in Ditmars Blvd. @ 71 St.

1 in Ditmars Blvd. @ 72 St.

1 in 73 St. @ Ditmars Blvd.

2 in Ditmars Blvd. @ 81 St.

1 in 74 St. @ Ditmars Blvd.

2 in 76 St. Bet. Hazen St. & 21 Ave.

1 in Ditmars Blvd. @ 73 St.

1 in Ditmars Blvd. @ 74 St.

1 in Ditmars Blvd. @.75 St.

3 in Ditmars Blvd. @ 76 St.

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.

2 in 77 St. @ Ditmars Blvd.

2 in Ditmars Blvd. @ 77 St.

1 in 78 St. @ Ditmars Blvd.

6 in Ditmars Blvd. @ 78 St.

2 in 79 St. @ Ditmars Blvd.

2 in Ditmars Blvd. @ 79 St.

2 in 80 St. @ Ditmars Blvd.

1 in Ditmars Blvd. @ 80 St.

1 in 75 St. @ Ditmars Blvd.

2 in Astoria Blvd. N @ 76 St.

1 in 76 St. @ Astoria Blvd. N

3 in 76 St. @ 21 Ave.

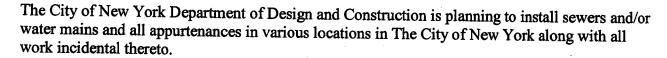
3 in 81 St. @ Ditmars Blvd.

Con Ed Locations:

- 3 in 28 Street @ 21 Avenue
- 3 in 29 Street @ 21 Avenue
- 3 in 27 Street @ 21 Avenue
- 1 in 41 Street @ 21 Avenue
- 1 in 21 Avenue @ 28 Street
- 1 in Shore Blvd. @ 21 Avenue
- 1 in 21 Avenue @ 19 Street
- 1 in 35 Street @ 21 Avenue
- 1 in 31 Street @ 21 Avenue
- 1 in 32 Street @ 21 Avenue
- 3 in 33 Street @ 21 Avenue
- 1 in 36 Street @ 21 Avenue
- 1 in 37 Street @ 21 Avenue
- 1 in 23 Street @ 21 Avenue
- 1 in Crescent Street @ 21 Avenue
- 1 in 26 Street @ 21 Avenue
- 1 in 24 Street @ 21 Avenue
- 2 in 20 Avenue @ 23 Street
- 2 in 21 Avenue @ 27 Street
- 1 in 21 Avenue Bet. 27 Street & Crescent Street
- 1 in 21 Avenue @ 28 Street
- 2 in 21 Avenue @ 31 Street
- 1 in 21 Avenue Bet. 31 Street & 33 Street

PROJECT ID: QED1005

SCOPE OF WORK SUPPORT AND PROTECTION FOR CONTRACT NUMBER QED-1005



- 1 in 21 Avenue @ 33 Street
- 1 in 21 Avenue @ 37 Street
- 3 in 21 Avenue @ Crescent Street
- 1 in 21 Avenue @ 24 Street
- 3 in 21 Avenue @ 35 Street
- 1 in 21 Avenue @ 36 Street
- 1 in 21 Avenue @ 38 Street
- 1 in 21 Avenue @ 41 Street
- 3 in 21 Avenue @ 21 Street
- 1 in 31 Street @ 21 Avenue
- 1 in 21 Avenue @ 23 Street
- 2 in Steinway Street @ 21 Avenue
- 2 in 21 Street @ 21 Avenue
- 1 in 21 Avenue @ Steinway Street
- 2 in 38 Street @ 21 Avenue
- 1 in 21 Avenue @ 29 Street
- 1 in 24 Street @ 21 Avenue
- 1 in 27 Street @ 23 Avenue
- 1 in 28 Street @ 23 Avenue
- 1 in 23 Avenue @ 26 Street
- 1 in 23 Avenue @ 27 Street
- 1 in 23 Avenue @ 28 Street 2 in Ditmars Blvd. @ 47 Street
- 2 in Ditmars Blvd. @ 46 Street
- 1 in Hoyt Avenue North @ 31 Street
- 2 in 23 Road @ 31 Street
- 2 in 24 Avenue @ 31 Street
- 1 in 31 Street @ 23 Avenue
- 2 in Newtown Avenue @ 30 Street
- 2 in 29 Street @ Astoria Blvd.
- 2 in Astoria Blvd. @ 31 Street
- 1 in Astoria Blvd. @ 32 Street
- 1 in Astoria Blvd. @ 30 Street
- 1 in Hoyt Avenue North @ 29 Street
- 1 in Newtown Avenue @ 21 Street
- 1 in Newtown Avenue @ Astoria Blvd.
- 2 in 22 Street @ Astoria Blvd.
- 2 in 23 Street @ Astoria Blvd.
- 3 in Crescent Street @ Astoria Blvd.

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.

- 4 in Astoria Blvd. @ 21 Street
- 1 in Astoria Blvd. @ 8 Street
- 2 in Astoria Blvd. @ Main Avenue
- 2 in Dead End @ Astoria Blvd.
- 2 in 30 Dr. @ 12 Street
- 2 in 30 Dr. @ 21 Street
- 1 in 31 Avenue @ Vernon Blvd.
- 2 in 31 Avenue @ 12 Street
- 3 in 31 Avenue @ 14 Street
- 3 in 31 Avenue @ 21 Street
- 2 in 31 Avenue @ 23 Street
- 2 in Newtown Rd. @ 44 Street
- 2 in Newtown Rd. @ 45 Street
- 2 in Broadway @ 45 Street
- 2 in 34 Avenue @ 45 Street
- 1 in 31 Avenue @ 45 Street
- 2 in Broadway @ 46 Street
- 2 in Astoria Blvd. @ 35 Street
- 1 in Astoria Blvd. @ 36 Street
- 2 in Astoria Blvd. @ 37 Street
- 1 in Astoria Blvd. @ 41 Street
- 1 in Astoria Blvd. @ 42 Street
- 1 in Astoria Blvd. @ 43 Street
- 2 in Astoria Blvd. @ 44 Street
- 1 in 30 Street @ 36 Avenue
- 2 in 30 Street @ 35 Avenue
- 2 in 30 Street @ 34 Avenue
- 1 in 30 Street @ Broadway
- 1 in 30 Street @ 31 Avenue
- 3 in 30 Street @ 30 Dr.
- 1 in 30 Street @ 30 Avenue
- 2 in 38 Avenue @ 11 Street
- 3 in 38 Avenue @ 12 Street
- 4 in 11 Street @ 37 Avenue
- 1 in 38 Avenue @ 27 Street
- 2 in 38 Avenue @ 28 Street 2 in 38 Avenue @ 29 Street
- 3 in 38 Avenue @ 30 Street
- 1 in 38 Avenue @ 31 Street

ADDENDUM NO.3

SCOPE OF WORK SUPPORT AND PROTECTION FOR CONTRACT NUMBER QED-1005

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.

- 2 in 27 Street @ 40 Avenue
- 1 in 40 Avenue @ 27 Street
- 2 in 40 Avenue @ 28 Street
- 2 in 27 Street @ 41 Avenue
- 1 in Steinway Street @ 19 Avenue
- 1 in Hoyt Avenue North @ 27 Street
- 1 in 27 Street @ 24 Avenue
- 1 in Hoyt Avenue North @ 26 Street
- 1 in Hoyt Avenue South @ 26 Street
- 1 in 24 Avenue @ 26 Street
- 1 in 29 Street @ Hoyt Avenue North
- 1 in 29 Street @ Dorothy Pl.
- 1 in 29 Street @ 24 Avenue
- 2 in 29 Street @ 23 Avenue
- 2 in 29 Street @ Ditmars Blvd.
- 2 in 29 Street @ 21 Avenue
- 2 in 29 Street @ 20 Avenue
- 2 in 46 Street @ Broadway
- 2 in 46 Street @ Newtown Rd.
- 1 in 46 Street @ 31 Avenue
- 2 in 21 Street @ 36 Avenue
- 2 in 22 Street @ Queens Plaza North
- 1 in 22 Street @ 41 Avenue
- 2 in 22 Street @ 39 Avenue
- 2 in 22 Street @ 38 Avenue
- 2 in 22 Street @ 37 Avenue
- 1 in 22 Street @ 36 Avenue

6.03 - Removal Of Abandoned Gas Facilities. All Sizes (L.F.)

1000 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.)

500 in Various Locations As Required

The City of New York Department of Design and Construction is planning to install sewers and/or water mains and all appurtenances in various locations in The City of New York along with all work incidental thereto.

6.03.1A- Removal Of Abandoned Gas Facilities With Possible Coal Tar Wrap. All Sizes. (For Con Edison Work Only) (L.F.)

100 in Various Locations As Required

6.04 - Adjust Hardware To Grade Using Spacer Rings / Adaptor (Street Repaving) (Ea.)

100 in Various Locations As Required

6.05 - Adjust Hardware To Grade By Resetting (Road Reconstruction) (Ea.)

100 in Various Locations As Required

6.06 - Special Care Excavation & Backfilling (C.Y.)

1500 CY In Various Locations As Required, Including But Not Limited To All Gas Services Crossing Unsheeted Water Main Trenches.

6.06A - Special Care Excavation & Backfilling For Transmission Mains (C.Y.)

50 CY In Various Locations As Required, Including But Not Limited To All Gas Services Crossing Unsheeted Water Main Trenches And The Following Locations:

21 Ave. @ 76 St.

6.07 - Test Pits For Gas Facilities (C.Y.)

500 in Various Locations As Required.

6.09 - Trench Excavation & Backfill For New Gas Mains & Services. Gas Installed By Others (C.Y.)

600 in Various Locations As Required, Including But Not Limited To The Following Locations:

Ditmars Blvd. @ 73 St.

Ditmars Blvd. @ 74 St.

Ditmars Blvd. @ 75 St.

ADDENDUM NO.3 PROJECT ID: QED1005

SCOPE OF WORK SUPPORT AND PROTECTION FOR CONTRACT NUMBER QED-1005

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.

75 St. @ Ditmars Blvd. 74 St. @ Ditmars Blvd. 73 St. @ Ditmars Blvd. Ditmars Blvd. @ 71 St. 76 St. @ 21 Ave. SECTION 6.06A - Special Care Excavation and Backfilling for Transmission Mains. (Transmission Main is described as any gas main with a MAOP greater than 124 psig)

1. Description:

Under this section, the contractor shall provide all labor, materials (except for sand to be utilized for backfill of a one foot envelope around the facility to be furnished by the facility operator), equipment, and incidentals required to support and protect the integrity of Gas Transmission Main during excavations. This facility is owned by the gas company operating in the area, hereafter referred to as facility operator. 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 Transmission Main of various sizes located within any excavation sheeted or unsheeted (excavation refers to any excavation performed for city work and includes excavations performed that are to be subsequently unsheeted/sheeted using approved shoring methods and paralleling, encroaching and crossing any excavation. Parallel facilities are not exposed at any time during excavation (within 2' of edge of excavation)). Encroaching facilities are partially/fully exposed inside the limit of excavation. This section shall also apply to gas facility crossing catch basins excavation and catch basins sewer connections (chutes), water mains, fire hydrant branch connections, sanitary sewer, storm sewer, combination sewer, house sewer and/or water service connections excavations. The excavation around fully exposed live gas facilities along and within limits of excavation shall be covered by this section also, 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:

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 the General Provisions for Gas Cost Sharing (Para. No.8) cannot be maintained, the excavation shall be abandoned and the contractor shall be compensated as per the provisions specified in Paragraphs Nos. 5 and 6 of this item (6.06A).

PROJECT ID: QED1005

ADDENDUM NO.3

4. Method of Construction:

All excavations in the vicinity of gas facilities shall be as required by NYS Industrial Code 753. No saw cutting of pavement or masonry for gas mains having less than 2 feet of cover to break asphalt/concrete as determined by the facility operator. The contractor shall use power excavation for the removal of pavement or masonry but only to the depth of such pavement or masonry (breaking of pavement or masonry shall be done by means of hand held pneumatic breaking equipment). Upon removal of pavement or masonry the contractor shall use hand excavation methods only (pick and shovel; no 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 and the facility operator the contractor shall then proceed with hand only within the zone of protection described as 2 feet from the face of the facility in all directions of the facility as required to preserve the integrity of the facility. Once outside of the zone of protection as described above the contractor may use a combination of hand and machine to complete the excavation.

5. Method of Payment:

The unit price for this work item shall be based on cubic yard (CY) of average excavation with special 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 facility, multiplied by, the width measured as two (2) feet 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 Only hand excavation shall be utilized within the zone of protection identified as 2 feet from face of facility, beyond 2 feet from the face of facility the contractor can use a combination of hand and machine.

B. For Encroaching Facilities:

Volume calculated as: Depth as measured from existing street surface to the bottom of facility, multiplied by, the width measured as two (2) feet plus the exposed facility toward the center of excavation, multiplied by the length of the encroached facility, divided by twenty-seven (27) cubic feet per cubic yard Only hand excavation shall be utilized within the zone of protection identified as 2 feet from face of facility, beyond 2 feet from the face of facility the contractor can use a combination of hand and machine.

C. Fully Exposed Gas Facilities:

Volume calculated as: Depth as measured from existing street surface to the bottom of facility, multiplied by, the width measured as two (2) feet from the face of the facility on

either side plus the facility, multiplied by the length of the facility, divided by 27 cubic feet per cubic yard. Only hand excavation shall be utilized within the zone of protection identified as 2 feet from face of facility in all directions, beyond 2 feet from the face of facility in all directions the contractor can use a combination of hand and machine.

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 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").

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, sanitary sewer, storm sewer, combination sewer and water connections under or over gas facilities; loss of productivity due to slower rate of excavation (special care) during excavation, compaction, removal of sheeting from the facilities, extra roadway base restoration and temporary pavement, associated maintenance of traffic, barricades, and traffic plates that may be required to temporarily close and/or complete the work. Breaking shall be done by means of hand held pneumatic breaking equipment. Inspection of exposed mains shall be performed by facility operator in a timely fashion and shall not unduly impede contractor's progress or productivity.

national**grid**

Project No. QED1005

SECTION 6.09 - Trench Excavation and Backfill for New Gas Mains and Services (To be performed by City Contractor)

| Location | Dimension-
Trench (lt) | Changesion-
Live Gases
(h) | Units | Total
Cu.Yd. |
|------------------------|---------------------------|----------------------------------|---------|-----------------|
| 79rd St & Ditmers Blvd | 15x2x4 | (2) - 10x8x5 | Cu. Yd. | 40 |
| 74th St & Ditmers Blvd | 15x2x4 | (2) - 10x8x5 | Cu. Yd. | 40 |
| 75th St & Olimans Blvd | 15x2x4 | (2) - 10x8x5 | Cu. Yd. | 40 |
| 75th St & 21st Ave | 15x2x4 | (2) - 10x8x5 | Cu. Yd. | 40 |
| Ditmars Blvd & 71st St | 15x2x4 | (2) - 10x8x5 | Cu. Yd. | 40 |
| Ditmars Blvd & 73rd St | 15x2x4 | (2) - 10x8x5 | Cu. Yd. | 40 |
| Diamars Blvd & 74th St | 15x2x4 | (2) - 10x8x5 | Cu. Yd. | 40 |
| Dilmars Blvd & 75th St | 15x2x4 | (2) - 10x8x5 | Cu. Yd. | 40 |

SECTION 6.09 - Trench Excavation and Backfill for New Gas Mains and Services (To be performed by City Contractor)

1. Description:

Under this section, the contractor shall furnish all labor, materials, equipment, insurance, permits and incidentals required to break/remove roadway and sidewalk pavement, excavate, backfill and restore gas trenches. The trench to be excavated shall be determined by the size of the gas facility to be installed. The work shall be performed in accordance with applicable specifications, and/or at the direction of the Resident Engineer in consultation with the facility operator.

2. Materials:

All materials used to excavate and prepare trenches shall be supplied by the Contractor and be approved by the facility operator in consultation with the Resident Engineer.

3. Method of Construction:

Excavation - The Contractor shall saw cut and/or break and remove existing roadway which may include but is not limited to, asphalt, concrete and cobblestone, utilizing approved equipment that leaves a neat straight joint line along the juncture with subsequently replaced pavement. Prior to starting the trenching operation, the contractor shall excavate the appropriate gas main tie-in pits at the extremities of the gas main sections to be replaced. Test pits shall be excavated to determine exact location of all tie-in pits and at appropriate intervals along proposed trench excavation to verify lane and clearances as shown on the contract plans. The tie-in pits shall be adequately protected by the contractor using wood fencing or steel traffic plates until such time when the facility operator has completed the tie-in work. The Contractor shall be permitted to excavate utilizing a combination of machine and hand excavation, as field conditions warrant, and as directed by the facility operator. The trench shall be adjusted so as to provide for a nominal cover on the new gas facilities or as required based on field conditions, applicable specifications, or as directed by the facility operator in consultation with the Resident Engineer. The width of the trench shall be as directed by the facility operator in consultation of the Resident Engineer. The bottom of the trench shall be graded smooth with a minimum cushion of 3 inches of clean sand and in conformance with applicable specification and be compacted, to minimize initial settlement and to avoid "point" support of new gas facilities. All stones projecting into the trench bottom shall be removed, and the voids backfilled before the new gas facilities are installed. Where streets are not to final grade, the cover shall be measured from the final grade, or the existing grade, whichever provides the deeper trench. Excavation in the vicinity of utilities and other structures shall be performed using hand tools. The contractor shall properly dispose of all materials excavated away from site. Size and location of excavation shall be as directed by the facility operator in consultation with the Resident Engineer. Trenches shall be excavated to a depth and size necessary to facilitate the installation of the new gas facility and in conformance with the applicable specification. All existing facilities that are encountered during trench excavating shall be protected in a manner suitable to the facility operator in consultation with the Resident Engineer. Tight sheeting shall be used, as required, based on field conditions and/or when the depth of excavation is equal to or greater than five feet. Skeleton type sheeting will not be permitted. The sheeting required shall be furnished and installed in full compliance with the State of New York and Federal Safety Code requirements and in compliance with applicable specifications and/or as directed by the

facility operator in consultation with the Resident Engineer. Care shall be taken that no existing gas facilities or other structures are broken or damaged. Contractor shall excavate all material encountered necessary to facilitate the installation of the new gas facilities, and as directed by the facility operator. Care should be taken to avoid damage to existing utility facilities and structures, and to pavements and their foundations, and to avoid caving or sliding banks within the excavation.

Maintenance of Trench Excavation - Excavated trenches shall be maintained free of debris and kept dry by the contractor. In order to accomplish this, contractor shall, upon completion of excavation and placement of sheeting (as required and/or if depth is equal to or greater than five feet), furnish and install adequate steel plates, as directed by the facility operator in consultation with the Resident Engineer, and posting over the excavated trenches and shall temporarily remove all equipment debris and workers, and relocate barricades in order to open the full width of street to traffic during non-working hours, as required based on DOT requirements. National Grid forces will perform all live gas main connections, dead gas main cut-outs, and/or service work associated with disconnecting and reconnecting from old to new gas main 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 facility operator in consultation with the Resident Engineer to facilitate the installation of the new gas facilities. When work is being performed and the excavations are not covered with steel plates, the Contractor shall provide complete and safe access to the trench as may be required, and shall provide construction barricades and maintain traffic at all times as shown or as directed by the facility operator in consultation with the Resident Engineer. The contractor has the responsibility to maintain and set to grade all National Grid hardware during backfill and pavement restoration. Upon completion of installation of the new gas facility, the trench excavation shall be backfilled by the contractor in accordance with Contract requirements and all backfill material shall conform to contract specifications for such purpose.

Pavement and Sidewalk Restoration - After backfilling is completed, the contractor shall install temporary pavement consisting of six inches (6") thick asphaltic concrete mixture in roadway areas or a two inches (2") thick asphaltic concrete mixture in sidewalk areas in order to maintain existing pedestrian and vehicular traffic. This temporary pavement shall be maintained until permanent replacement as specified in contract. Permanent pavement restoration shall be as required by the appropriate contract specifications and as directed by the Resident Engineer.

4. Method of Measurement:

The quantity to be measured for payment shall be the number of cubic yards (C.Y.) of trench actually excavated, including roadway pavement, base and/or sidewalk concrete removed within the limits of the trench as directed by the Resident Engineer in consultation with the facility operator. The volume occupied by existing pipes or other structures will be deducted from the total volume measured or as encountered based on existing field conditions.

ADDENDUM NO.3

5. Price to Cover:

The unit price bid per cubic yard for excavation shall include the cost of all supervision, labor, material, equipment, insurance and incidentals necessary to complete excavation trenches, including backfill, compaction testing and restoration of trenches and tie-ins pits as specified or shown on the contract, plans. The bid price shall also include the cost of coordinating the sewer and water main work to be performed by the contractor with the gas installation work to be performed by others. The price shall also include, associated maintenance of traffic, and traffic plates and openings and closings of plates as may be required in order to provide access to the facility operator during the new gas facility installation, and installing, removing and maintaining tight sheeting that may be required, cut, break and remove various thickness of surface and base pavement, excavate by hand, furnish, place and compact, in compliance with DOT requirements, clean sand backfill following installation of the gas facility. Any required removing, trucking, storing, and disposing of material shall be deemed included in the unit price. The price shall also include the cost of providing temporary pavement restoration. Permanent pavement restoration shall be deemed included in this item, as required and as directed by the Resident Engineer.

END OF ADDENDUM NO. 3
This Addendum consists of sixty-one (61) pages

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

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN:

LONG ISLAND CITY AND ASTORIA AREAS

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

ADDENDUM NO. 4

(SECTION U VERSION 2.0)

DATED: June 24, 2015

- 1. The Contractor shall be responsible for compliance with all the provisions of the following Sections and Schedules, which are hereby made a part of the original contract documents:
 - A. "SECTION U: Additional Contract Requirements Applying to Work Performed in the Presence of Privately Owned Utility Facilities" (Pages A4-3 through A4-13)
 - B. Schedule U-1 (Page A4-14)
 - C. Schedules U-2 listing scope of utility interferences is no longer included in City contract. Such information will be part of Interference Agreement between Utility Operator and Contractor.
 - D. Section U-3 Page A4-15 (as per the Private Utilities reference document for SECTION U called "CET SPECIFICATIONS AND SKETCHES", dated November 2010).
- 2. Each facility operator shall provide inspectors at the work site to inspect methods of interference work, verify quantities and items of Utility Work, and coordinate all phases of the facility operator operations.
- 3. In addition, the following statements are made to provide clarification of various paragraphs under Section U:
 - A. Section U, ¶3, requires the Contractor to immediately commence negotiations with each Company for an Interference Agreement under which the Company will compensate the Contractor for any Interference Work which the Company does not elect to perform with its own forces or by specialty contractors retained by the Company. Thus the Contractor is on notice that its work under the Contract may be affected by Interference Work performed by (a) the Contractor pursuant to a separate Interference Agreement with the Company, (b) the Company, or (c) partly by each.
 - B. 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

Section U

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 7th day after receipt of the arbitrator's decision, or on the 30th day after completion of the work, whichever is later. Payment for work not yet completed at the time of the arbitrator's decision shall be paid within 30 days of completion of work. Interest shall accrue from the date payment is due at the rate of 9% per annum. Either party may cause judgment to be entered in accordance with the arbitrator(s) decision in a court in the State of New York, County of New York.
- (l) The arbitrator's fees and any other costs of the arbitration shall be initially shared equally by Company and Contractor. The non-prevailing party shall then pay all arbitrator's fees and costs of the arbitration and shall reimburse the prevailing party for its share of such fees and costs theretofore paid.
- (m) The parties may, at any time, settle any matter submitted to arbitration.

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.

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

| Project No: | | | | |
|---|--|--|--|--|
| Dear (Name): | | | | |
| This letter is to certify that of the attached "Section U: Additional contra performed in the presence of privately owned the terms of this Section U at the company's conterferences with the Public work. | utility." The company agrees to abide by | | | |
| Sincerely, | | | | |
| By: Authorized Company Representative | | | | |
| Title | | | | |
| NOTARY PUBLIC | | | | |
| CERTIFIED AS TO FORM
AND LEGAL AUTHORITY: | | | | |
| By: | * const | | | |

SCHEDULE U-1

QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS.

SCHEDULE U-1

LISTING OF COMPANIES NAMED FOR THIS CONTRACT

| <u>COMPANY NAME</u> | CONTACT NAME | CONTACT TELEPHONE |
|---------------------|-------------------|-------------------|
| CON EDISON | THERESA KONG | 212-460-4834 |
| VERIZON | AUBREY MAKHANLALL | 718-977-8165 |
| TIME WARNER | JOHN PIAZZA | 718-888-4261 |
| RCN | JOEY MAISONET | 718-577-3230 |

SECTION U-3

(NO TEXT IN THIS SECTION)

PROJECT ID: QED1005

END OF ADDENDUM No. 4
This Addendum consists of Sixteen (16) pages



INFRASTRUCTURE DIVISION BUREAU OF DESIGN

VOLUME 3 OF 3

PROJECT ID: QED1005

FOR THE INSTALLATION OF DISTRIBUTION WATER MAINS AND APPURTENANCES IN LONG ISLAND CITY AND ASTORIA AREAS

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

| | Contractor |
|-------|------------|
| | |
| Dated | |