



**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](http://www.nyc.gov/buildnyc)

**LAW**

**VOLUME 1 OF 3**

**BID BOOKLET**

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

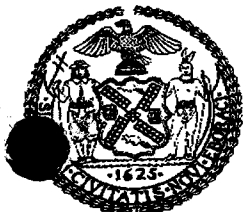
**PROJECT ID: BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN  
REPLACEMENT AND SEWER REHABILITATION AND REPLACEMENT**

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

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

January 9, 2015



**M 5-113**





**Department of  
Design and  
Construction**

**Dr. Feniosky Peña-Mora**  
Commissioner

Andrea Glick  
Deputy Commissioner  
Administration

John Goddard  
Agency Chief  
Contracting Officer

Lorraine Holley  
Deputy ACCO  
Competitive Sealed  
Bid Contracts

June 25, 2015

**CERTIFIED MAIL - RETURN RECEIPT REQUEST**

**ADC CONSTRUCTION LLC**

58-08 48th Street

Maspeth, NY 11378

RE: FMS ID: BEDA-001  
E-PIN: 85015B0107001  
DDC PIN: 8502015WM0008C  
Construction of Accelerated Water Main  
Replacement and Sewer Rehabilitation and  
Replacement - Borough of Brooklyn  
**NOTICE OF AWARD**

Dear Contractor:

You are hereby awarded the above referenced contract based upon your bid in the amount of \$11,585,000.00 submitted at the bid opening on April 02, 2015. Within ten (10) days of your receipt of this notice of award, you are required to take the actions set forth in Paragraphs (1) through (3) below. For your convenience, attached please find a copy of Schedule A of the General Conditions to the Contract, which sets forth the types and amounts of insurance coverage required for this contract.

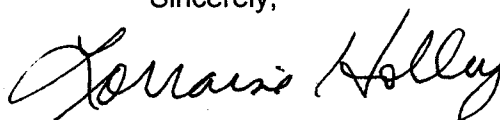
- (1) Execute four copies of the Agreement in the Contracts Unit, 30-30 Thomson Avenue, 1<sup>st</sup> Floor, Long Island City, New York (IDCNY Building). A Commissioner of Deeds will be available to witness and notarize your signature. The Agreement must be signed by an officer of the corporation or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



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





3/25/2015 12:00 AM

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

CONTRACT PIN: 8502015WM0008C  
PROJECT ID: BEDA001

## 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.



3/25/2015 12:00 AM

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

**PROJECT ID: BEDA001  
CONTRACT PIN: 8502015WM0008C**

## BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
001	1.A50.31PC08 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS)	30.00	L.F.	180	00	5400	00
002	1.AA50.21P3C048D 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	30.00	L.F.	235	00	7050	00
003	1.B50.31PC08 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	55.00	L.F.	126	00	6930	00
004	1.BB50.21P3C048D 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	55.00	L.F.	176	00	9680	00
005	1.C50.31PC10 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	20.00	L.F.	185	00	3700	00





3/25/2015 12:00 AM

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

CONTRACT PIN: 85025WM0008C  
PROJECT ID: BEDA001

## 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.



3/25/2015 12:00 AM

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

**PROJECT ID: BEDA001  
CONTRACT PIN: 8502015WM0008C**

## BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
006	1.CC50.21P3C048D 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	100.00	L.F.	167	90	16,790	00
007	1.D50.31PC10 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.	131	00	6,550	00
008	1.E50.31PC10 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10)	100.00	L.F.	117	90	11,790	00
009	1.F50.31PC12 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	30.00	L.F.	190	00	5,700	00
010	1.G50.31PC12 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	150.00	L.F.	136	00	20,400	00



## BID SCHEDULE FORM

COL 1 SEQ NO	COL 2 ITEM NUMBER and DESCRIPTION	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	
011	1.H50.31PC12 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	200.00	L.F.	127	90	25,580	00
012	1.I50.31PC15 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	20.00	L.F.	195	00	3900	00
013	1.J50.31PC15 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.	141	00	7050	00
014	1.K50.31PC15 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	200.00	L.F.	132	90	26,580	00
015	1.L50.31PC18 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	15.00	L.F.	205	00	3075	00



3/25/2015 12:00 AM

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# BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER AND DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS.	DOLLARS	CTS.
016	1.M50.31PC18 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.	146	00	7300	00
017	1.N50.31PC18 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	130.00	L.F.	137	90	17,927	00
018	1.O50.21P3C024D 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	15.00	L.F.	215	00	3225	00
019	1.P50.21P3C024D 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.	156	00	7800	00
020	1.Q50.21P3C024D 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	110.00	L.F.	147	90	16,269	00



**BID SCHEDULE FORM**

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	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	
021	1.R50.21P3C030D 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	15.00	L.F.	220	00	3300	00
022	1.S50.21P3C030D 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.	161	00	8050	00
023	1.T50.21P3C030D 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	100.00	L.F.	152	90	15,290	00
024	1.U50.21P3C036D 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	15.00	L.F.	225	00	3375	00
025	1.V50.21P3C036D 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	45.00	L.F.	166	00	7470	00



3/25/2015 12:00 AM

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

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# BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ NO	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
026	1.W50.21P3C036D 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	100.00	L.F.	157	90	15,790	00
027	10.32A PHOTOGRAPHS	1,280.00	SETS	18	00	23,040	00
028	4.02 AB-R ASPHALTIC CONCRETE WEARING COURSE, 1-1/2" THICK	16,000.00	S.Y.	14	00	224,000	00
029	4.02 CA BINDER MIXTURE	2,500.00	TONS	100	00	250,000	00
030	4.02 CB ASPHALTIC CONCRETE MIXTURE	770.00	TONS	100	00	77,000	00
031	4.04 H CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH)	1,376.00	C.Y.	120	00	165,120	00



3/25/2015 12:00 AM

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COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
032	4.13 AAS 4" CONCRETE SIDEWALK (UNPIGMENTED)	500.00	S.F.	8	00	4000	00
033	4.13 BAS 7" CONCRETE SIDEWALK (UNPIGMENTED)	1,500.00	S.F.	8	00	12,000	00
034	4.16 AA TREES REMOVED (4" TO UNDER 12" CALIPER)	2.00	EACH	200	00	400	00
035	4.16 AB TREES REMOVED (12" TO UNDER 18" CALIPER)	2.00	EACH	200	00	400	00
036	4.16 AC TREES REMOVED (18" TO UNDER 24" CALIPER)	2.00	EACH	300	00	600	00
037	4.16 AD TREES REMOVED (24" CALIPER AND OVER)	2.00	EACH	400	00	800	00



3/25/2015 12:00 AM

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## BID SCHEDULE FORM

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEERS ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES) DOLLARS CTS		COL 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS	
038	4.16 CA405 TREES PLANTED, 3" TO 3-1/2" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS	2.00	EACH	500	00	1000	00
039	4.18 A MAINTENANCE TREE PRUNING (UNDER 12" CAL.)	20.00	EACH	100	00	2000	00
040	4.18 B MAINTENANCE TREE PRUNING (12" TO UNDER 18" CAL.)	15.00	EACH	110	00	1650	00
041	4.18 C MAINTENANCE TREE PRUNING (18" TO UNDER 24" CAL.)	10.00	EACH	120	00	1200	00
042	4.18 D MAINTENANCE TREE PRUNING (24" CAL. AND OVER)	3.00	EACH	130	00	390	00
043	4.21 TREE CONSULTANT	200.00	P/HR	75	00	15,000	00



3/25/15 12:00 AM

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION  
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COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	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	
044	50.21C3C042D 42" R.C.P. CLASS III COMBINED SEWER, ON CONCRETE CRADLE	290.00	L.F.	180	00	52,200	00
045	50.21C3C048D 48" R.C.P. CLASS III COMBINED SEWER, ON CONCRETE CRADLE	290.00	L.F.	180	00	52,200	00
046	50.21M3C042D 42" R.C.P. CLASS III STORM SEWER, ON CONCRETE CRADLE	290.00	L.F.	180	00	52,200	00
047	50.21M3C048D 48" R.C.P. CLASS III STORM SEWER, ON CONCRETE CRADLE	290.00	L.F.	180	00	52,200	00
048	51.21S0A1000V STANDARD MANHOLE TYPE A-1	29.00	EACH	1000	00	29,000	00
049	51.21S0B1000V STANDARD MANHOLE TYPE B-1	2.00	EACH	1000	00	2000	00



3/25/2015 12:00 AM

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COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
050	51.41S001 STANDARD CATCH BASIN, TYPE 1	24.00	EACH	1000	00	24,000	00
051	52.11D12 12" DUCTILE IRON PIPE BASIN CONNECTION	200.00	L.F.	50	00	10,000	00
052	52.21V08 8" E.S.V.P. RISER FOR HOUSE CONNECTION	2.00	V.F.	40	00	80	00
053	52.21V10 10" E.S.V.P. RISER FOR HOUSE CONNECTION	2.00	V.F.	40	00	80	00
054	52.31V06P00 6" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER	10.00	EACH	40	00	400	00
055	52.31V08P00 8" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER	4.00	EACH	40	00	160	00



3/25/15 12:00 AM

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# BID SCHEDULE FORM

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	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	
056	53.11DR TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS	3,000.00	L.F.	2	00	6000	00
057	6.02 AAN UNCLASSIFIED EXCAVATION	1,300.00	C.Y.	90	00	117,000	00
058	6.25 RS TEMPORARY SIGNS	13,000.00	S.F.	1	00	13,000	00
059	6.26 TIMBER CURB	4,200.00	L.F.	0	35	1470	00
060	6.28 AA LIGHTED TIMBER BARRICADES	600.00	L.F.	0	35	210	00
061	6.44 THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (4" WIDE)	800.00	L.F.	3	00	2400	00



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COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
062	6.52 CG CROSSING GUARD	4,350.00	P/HR				
				30	00	130,500	00
063	6.55 SAWCUTTING EXISTING PAVEMENT	70,000.00	L.F.				
				2	00	140,000	00
064	6.87 PLASTIC BARRELS	9,300.00	EACH				
				3	00	27,900	00
065	60.11R520 FURNISHING AND DELIVERING 20-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 55)	2,700.00	L.F.				
				240	00	648,000	00
066	60.11R606 FURNISHING AND DELIVERING 6-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	2,600.00	L.F.				
				60	00	156,000	00
067	60.11R608 FURNISHING AND DELIVERING 8-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	20,500.00	L.F.				
				80	00	1,640,000	00



## BID SCHEDULE FORM

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS.	DOLLARS	CTS.
068	60.11R612 FURNISHING AND DELIVERING 12-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	6,000.00	L.F.	125	00	750,000	00
069	60.12D06-IB LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN IMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	2,400.00	L.F.	152	00	364,800	00
070	60.12D06-UB LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN UNIMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	400.00	L.F.	86	00	34,400	00
071	60.12D08-IB LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN IMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	21,720.00	L.F.	106	00	2,302,320	00
072	60.12D08-UB LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN UNIMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	1,350.00	L.F.	68	00	91,800	00
073	60.12D12-IB LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN IMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	6,200.00	L.F.	111	00	688,200	00



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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION  
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PROJECT ID: BEDA001  
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## BID SCHEDULE FORM

COL 1 SEQ NO	COL 2 ITEM NUMBER and DESCRIPTION	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	
074	60.12D12-UB LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN UNIMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	400.00	L.F.	76	00	30,400	00
075	60.12D20-IB LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN IMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	2,970.00	L.F.	173	00	513,810	00
076	60.13M0A24 FURNISHING AND DELIVERING DUCTILE IRON MECHANICAL JOINT 24-INCH DIAMETER AND SMALLER FITTINGS, INCLUDING WEDGE TYPE RETAINER GLANDS	61.00	TONS	9000	00	549,000	00
077	61.11DMM06 FURNISHING AND DELIVERING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	65.00	EACH	400	00	26,000	00
078	61.11DMM08 FURNISHING AND DELIVERING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	65.00	EACH	pe 600	00	39,000	00



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## BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
079	61.11DMM12 FURNISHING AND DELIVERING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	17.00	EACH	1000	00	17,000	00
080	61.11DMM20 FURNISHING AND DELIVERING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	9.00	EACH	6000	00	54,000	00
081	61.11TWC03 FURNISHING AND DELIVERING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	20.00	EACH	350	00	7000	00
082	61.11TWC04 FURNISHING AND DELIVERING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	13.00	EACH	400	00	5200	00
083	61.11TWC06 FURNISHING AND DELIVERING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	10.00	EACH	500	00	5000	00



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# BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CENTS	DOLLARS	CENTS
084	61.11TWC08 FURNISHING AND DELIVERING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	10.00	EACH	700	00	7000	00
085	61.11TWC12 FURNISHING AND DELIVERING 12-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	7.00	EACH	100	00	700	00
086	61.12DMM06 SETTING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	60.00	EACH	100	00	6000	00
087	61.12DMM08 SETTING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	65.00	EACH	100	00	6500	00
088	61.12DMM12 SETTING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	17.00	EACH	200	00	3400	00
089	61.12DMM20 SETTING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	9.00	EACH	200	00	1800	00



## BID SCHEDULE FORM

COL 1 SEQ. NO	COL 2 ITEM NUMBER and DESCRIPTION	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	
090	61.12TWC03 SETTING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	20.00	EACH	50	00	1000	00
091	61.12TWC04 SETTING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	13.00	EACH	50	00	650	00
092	61.12TWC06 SETTING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	10.00	EACH	75	00	750	00
093	61.12TWC08 SETTING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	10.00	EACH	100	00	1000	00
094	61.12TWC12 SETTING 12-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	7.00	EACH	100	00	700	00
095	62.11SD FURNISHING AND DELIVERING HYDRANTS	60.00	EACH	1500	00	90,000	00



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## BID SCHEDULE FORM

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES) DOLLARS CENTS		COL 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS CENTS	
096	62.12SG SETTING HYDRANTS COMPLETE WITH WEDGE TYPE RETAINER GLANDS	60.00	EACH	200	00	12,000	00
097	62.13RH REMOVING HYDRANTS	40.00	EACH	100	00	4,000	00
098	62.14FS FURNISHING, DELIVERING AND INSTALLING HYDRANT FENDERS	120.00	EACH	50	00	6,000	00
099	63.11VC FURNISHING AND DELIVERING VARIOUS CASTINGS	200.00	TONS	20	00	4,000	00
100	64.11EL WITHDRAWING AND REPLACING HOUSE SERVICES USING 1-1/2-INCH OR LARGER SCREW TAPS	60.00	EACH	200	00	12,000	00
101	64.11ST WITHDRAWING AND REPLACING HOUSE SERVICES USING SMALLER THAN 1-1/2-INCH SCREW TAPS	600.00	EACH	100	00	60,000	00



## BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
102	<b>64.12ESEG</b> EXTENDING HOUSE SERVICE WATER CONNECTIONS (EQUAL TO OR GREATER THAN 3-INCH DIAMETER)	65.00	L.F.	25	00	1625	00
103	<b>64.12ESLT</b> EXTENDING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3- INCH DIAMETER)	455.00	L.F.	25	00	11,375	00
104	<b>64.13WC08</b> FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 8-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	20.00	EACH	1000	00	20,000	00
105	<b>64.13WC12</b> FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 12-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	20.00	EACH	1000	00	20,000	00
106	<b>64.13WC20</b> FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 20-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	10.00	EACH	1400	00	14,000	00
107	<b>65.11BR</b> FURNISHING, DELIVERING AND INSTALLING BANDS, RODS, WASHERS, ETC., COMPLETE, FOR RESTRAINING JOINTS	1,600.00	LBS.	0	50	800	00



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## BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
108	65.21PS FURNISHING AND PLACING POLYETHYLENE SLEEVE Unit price bid shall not be less than: \$ 0.50	1,200.00	L.F.				
				0	50	600	00
109	65.31FF FURNISHING, DELIVERING AND PLACING FILTER FABRIC Unit price bid shall not be less than: \$ 0.15	20,130.00	S.F.				
				0	15	3019	50
110	65.71SG FURNISHING, DELIVERING AND PLACING SCREENED GRAVEL OR SCREENED BROKEN STONE BEDDING	250.00	C.Y.				
				5	00	1250	00
111	7.13 B MAINTENANCE OF SITE Unit price bid shall not be less than: \$ 4,000.00	12.00	MONTH				
				20,800	00	249,600	00
112	7.36 PEDESTRIAN STEEL BARRICADES	24,014.00	L.F.				
				1	00	24,014	00
113	70.21DK DECKING	100.00	S.Y.				
				5	00	500	00



## BID SCHEDULE FORM

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	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	
114	70.31FN FENCING Unit price bid shall not be less than: \$ 1.75	3,555.00	L.F.		1 75	6221	25
115	70.51EO EXCAVATION OF BOULDERS IN OPEN CUT Unit price bid shall not be less than: \$ 75.00	50.00	C.Y.		75 00	3750	00
116	70.61RE ROCK EXCAVATION	50.00	C.Y.		50 00	2500	00
117	70.71SB STONE BALLAST Unit price bid shall not be less than: \$ 15.00	145.00	C.Y.		15 00	2175	00
118	70.91SW12 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 12-INCH IN DIAMETER AND LESS	600.00	S.F.		0 50	300 00	
119	70.91SW20 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 20-INCH IN DIAMETER	1,300.00	S.F.		0 50	650 00	



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# BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5		COL 6	
SEQ. NO.	ITEM NUMBER AND DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES)		EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
120	73.11AB ADDITIONAL BRICK MASONRY Unit price bid shall not be less than: \$ 62.50	2.00	C.Y.				
				62	50	125	00
121	73.21AC ADDITIONAL CONCRETE Unit price bid shall not be less than: \$ 87.50	30.00	C.Y.				
				87	50	2625	00
122	73.31AE0 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (ALL DEPTHS) Unit price bid shall not be less than: \$ 20.00	1,000.00	C.Y.				
				80	00	80,000	00
123	73.31AE2 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 12' TO 16' DEPTH) Unit price bid shall not be less than: \$ 15.00	340.00	C.Y.				
				15	00	5100	00
124	73.31AE3 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 16' TO 20' DEPTH) Unit price bid shall not be less than: \$ 20.00	80.00	C.Y.				
				20	00	1600	00
125	73.41AG ADDITIONAL SELECT GRANULAR BACKFILL Unit price bid shall not be less than: \$ 15.00	6,000.00	C.Y.				
				15	00	90,000	00



## BID SCHEDULE FORM

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	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	
126	73.51AS ADDITIONAL STEEL REINFORCING BARS Unit price bid shall not be less than: \$ 1.00	218.00	LBS.		1 00	218 00	
127	9.32 REINFORCED SILT FENCE WITH STAKED HAY BALES	1,000.00	L.F.		1 00	1000 00	
128	DSS014A1 CLEANING OF SEWER (LESS THAN 24" DIAMETER).	2,000.00	L.F.		2 00	4000 00	
129	DSS014A2 CLEANING OF SEWER (24" TO 48" DIAMETER).	1,500.00	L.F.		2 00	3000 00	
130	DSS014B CLEANING OF MANHOLE	15.00	EACH		100 00	1500 00	
131	UTL-6.01.1 GAS MAIN CROSSING SEWER UP TO 24" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$ 1,040.00	10.00	EACH		1040 00	10400 00	



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# BID SCHEDULE FORM

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	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	
132	UTL-6.01.2 GAS MAIN CROSSING SEWER 30" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$ 1,770.00	2.00	EACH	1770	00	3540	00
133	UTL-6.01.3 GAS MAIN CROSSING SEWER 36" THRU 42" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$ 2,040.00	2.00	EACH	2040	00	4080	00
134	UTL-6.01.4 GAS MAIN CROSSING SEWER 48" THRU 54" IN DIAMETER (S6.01) Unit price bid shall not be less than: \$ 2,120.00	2.00	EACH	2120	00	4240	00
135	UTL-6.01.8 GAS SERVICES CROSSING TRENCHES AND/OR EXCAVATIONS (S6.01) Unit price bid shall not be less than: \$ 465.00	100.00	EACH	465	00	46,500	00
136	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	50.00	EACH	485	00	24,250	00
137	UTL-6.02 EXTRA EXCAVATION FOR THE INSTALLATION OF CATCH BASIN SEWER DRAIN PIPES WITH GAS INTERFERENCES (S6.02) Unit price bid shall not be less than: \$ 715.00	10.00	EACH	715	00	7150	00



**BID SCHEDULE FORM**

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	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	
138	UTL-6.03 REMOVAL OF ABANDONED GAS FACILITIES. ALL SIZES. (S6.03) Unit price bid shall not be less than: \$ 15.00	4,000.00	L.F.	15	00	60,000	00
139	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	100.00	L.F.	25	00	2500	00
140	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	150.00	EACH	35	00	5250	00
141	UTL-6.05 ADJUST HARDWARE TO GRADE BY RESETTING. (ROAD RECONSTRUCTION.) (S6.05) Unit price bid shall not be less than: \$ 65.00	150.00	EACH	65	00	9750	00
142	UTL-6.06 SPECIAL CARE EXCAVATION AND BACKFILLING (S6.06) Unit price bid shall not be less than: \$ 180.00	2,000.00	C.Y.	180	00	360,000	00
143	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	100.00	C.Y.	230	00	23,000	00



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## BID SCHEDULE FORM

COL 1 SEQ. NO.	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
144	UTL-6.07 TEST PITS FOR GAS FACILITIES (S6.07) Unit price bid shall not be less than: \$ 100.00	100.00	C.Y.	100	00	10,000	00
145	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	500.00	C.Y.	190	00	95,000	00
146	UTL-GCS-2WS GAS INTERFERENCES AND ACCOMMODATIONS PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 100,000.00	1.00	F.S.	100,000	00	100,000	00

SUB-TOTAL: \$ 11,214,208 75

147	6.39 A MOBILIZATION BID PRICE OF MOBILIZATION SHALL NOT EXCEED 4% OF THE ABOVE SUB-TOTAL PRICE.	1.00	L.S.	370,791	25	370,791	25
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NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION  
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## BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5	COL 6
SEQ NO	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES) DOLLARS CTS	EXTENDED AMOUNT (IN FIGURES) DOLLARS CTS

TOTAL BID PRICE: \$ 11,585,000<sup>00</sup>

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: BEDA001

FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT

Together With All Work Incidental Thereto  
BOROUGH OF BROOKLYN

Name of Bidder: ADC CONSTRUCTION, LLC

Date of Bid Opening: 4-2-15

Bidder is: (Check one, whichever applies) Individual ( ) Partnership ☒ <sup>LLC</sup> Corporation ( )

Place of Business of Bidder: 58-08 48 ST MASPETH NY 11378

Bidder's Telephone Number: 718 628 5555 Fax Number: 718 628 5142

Bidder's E-Mail Address: ADCCONSTRUCTION@VERIZON.NET

Residence of Bidder (If Individual): \_\_\_\_\_

If Bidder is a Partnership, fill in the following blanks:

Names of Partners

Residence of Partners

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If Bidder is a <sup>LLC</sup> Corporation, fill in the following blanks:

Organized under the laws of the State of NEW YORK

Name and Home Address of President: DOMENICK Cipollone

PURCHASE NY

Name and Home Address of Secretary: ANTHONY Cipollone

PURCHASE NY

Name and Home Address of Treasurer: \_\_\_\_\_



## BID FORM

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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.



**BID FORM**

**PROJECT ID: BEDA001**

**TOTAL BID PRICE:** 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)**

\$ 11,585,000<sup>00</sup>  
BB 4/2/15

**BIDDER'S SIGNATURE AND AFFIDAVIT**

**Bidder:** ADC CONSTRUCTION, LLC

**By:** *Dominic Chie*  
(Signature of Partner or corporate officer)

*Dominic Chie*  
Commission Expires Sept. 14, 2018

**Attest:** \_\_\_\_\_  
(Corporate Seal) Secretary of Corporate Bidder

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



**BID FORM (TO BE NOTARIZED)**

**AFFIDAVIT WHERE BIDDER IS AN INDIVIDUAL**

STATE OF NEW YORK, COUNTY OF \_\_\_\_\_ ss:

being duly sworn says:

I am the person described in and who executed the foregoing bid, and the several matters therein stated are in all respects true.

\_\_\_\_\_  
(Signature of the person who signed the Bid)

Subscribed and sworn to before me this

\_\_\_\_\_ day of \_\_\_\_\_,

\_\_\_\_\_  
Notary Public

**AFFIDAVIT WHERE BIDDER IS A PARTNERSHIP**

STATE OF NEW YORK, COUNTY OF QUEENS ss:

being duly sworn says:

I am a member of DOMENICK CIPOLLONE the firm described in and which executed the foregoing bid. I subscribed the name of the firm thereto on behalf of the firm, and the several matters therein stated are in all respects true.

Domènec Cipollone  
(Signature of Partner who signed the Bid)

Subscribed and sworn to before me this

2ND day of APRIL, 2015

Melissa Gallagher  
Notary Public

**MELISSA GALLAGHER**  
Notary Public, State of New York  
No. 01GA6013314  
Qualified in Queens County  
Commission Expires Sept. 14, 2018

**AFFIDAVIT WHERE BIDDER IS A CORPORATION**

STATE OF NEW YORK, COUNTY OF \_\_\_\_\_ ss:

being duly sworn says:

I am the \_\_\_\_\_ of the above named corporation whose name is subscribed to and which executed the foregoing bid. I reside at \_\_\_\_\_

I have knowledge of the several matters therein stated, and they are in all respects true.

\_\_\_\_\_  
(Signature of Partner who signed the Bid)

Subscribed and sworn to before me this

\_\_\_\_\_ day of \_\_\_\_\_,

\_\_\_\_\_  
Notary Public



## AFFIRMATION

PROJECT ID: BEDA001

The undersigned bidder affirms and declares that said bidder is not in arrears to the City of New York upon debt, contract or taxes and is not a defaulter, as surety or otherwise, upon obligation to the City of New York, and has not been declared not responsible, or disqualified, by any agency of the City of New York, nor is there any proceeding pending relating to the responsibility or qualification of the bidder to receive public contracts except:

NONE

(If none, the bidder shall insert the word "None" in the space provided above.)

Full Name of Bidder: ADC CONSTRUCTION, LLC  
Address: 58-08 48 ST  
City MASPETH State NY Zip Code 11378

CHECK ONE BOX AND INCLUDE APPROPRIATE NUMBER:

☐ A - Individual or Sole Proprietorship\*  
SOCIAL SECURITY NUMBER

-----

☒ B - Partnership, Joint Venture or other unincorporated organization <sup>LLC</sup>  
EMPLOYER IDENTIFICATION NUMBER

11 3353007

☐ C - Corporation  
EMPLOYER IDENTIFICATION NUMBER

-----

By: Donald G. [Signature]  
Signature

Title: PRESIDENT

If a corporation, place seal here

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

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



BID BOND 1  
FORM OF BID BOND

KNOW ALL MEN BY THESE PRESENTS. That we, ADC Construction, LLC  
58-08 48th Street, Maspeth, NY 11378

hereinafter referred to as the "Principal", and Travelers Casualty and Surety Company of America  
One Tower Square, Hartford, CT 06183

hereinafter referred to as the "Surety" are held and firmly bound to THE CITY OF NEW YORK,  
hereinafter referred to as the "CITY", or to its successors and assigns in the penal sum of \_\_\_\_\_

**TEN PERCENT OF AMOUNT BID**

( 10% Amt Bid ), Dollars lawful money of the United States, for the payment of which said sum of money well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Whereas, the Principal is about to submit (or has submitted) to the City the accompanying proposal, hereby made a part hereof, to enter into a contract in writing for \_\_\_\_\_

Cont. #BEDA001 - Construction of Accelerated Water Main Replacement and Sewer Rehabilitation and Replacement  
- Boro of Brooklyn

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

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



BID BOND 2

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

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

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

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

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers the 26th day of March, 2015.

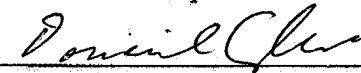
(Seal)

ADC Construction, LLC

(L.S.)

Principal

By:



(Seal)

Travelers Casualty and Surety Company of America

Surety

By:

  
Robert M. Kempner, Attorney-in-Fact



BID BOND 3

ACKNOWLEDGMENT OF PRINCIPAL, IF A CORPORATION

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:  
On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came  
\_\_\_\_\_ to me known, who, being by me duly sworn, did depose and say  
that he resides at \_\_\_\_\_  
that he is the \_\_\_\_\_ of \_\_\_\_\_  
the corporation described in and which executed the foregoing instrument; that he knows the seal of said  
corporation; that one of the seals affixed to said instrument is such seal; that it was so affixed by order of  
the directors of said corporation, and that he signed his name thereto by like order.

\_\_\_\_\_  
Notary Public

LLC  
ACKNOWLEDGMENT OF PRINCIPAL, IF A PARTNERSHIP

State of NEW YORK County of QUEENS ss:  
On this 2ND day of APRIL, 2015, before me personally appeared  
DOMENICK CIPOLLONE to me known and known to me to be one of the members of the  
firm of ADC CONSTRUCTION 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.

MELISSA GALLAGHER  
Notary Public, State of New York  
No. 01GA6013314  
Qualified in Queens County  
Commission Expires Sept. 14, 2018

Melissa Gallagher  
Notary Public

ACKNOWLEDGMENT OF PRINCIPAL, IF AN INDIVIDUAL

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:  
On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally appeared  
\_\_\_\_\_ to me known and known to me to be the person described in  
and who executed the foregoing instrument and acknowledged that he executed the same.

\_\_\_\_\_  
Notary Public

AFFIX ACKNOWLEDGMENTS AND JUSTIFICATION OF SURETIES



ACKNOWLEDGEMENT OF PRINCIPAL, OF A CORPORATION

STATE OF \_\_\_\_\_

SS:

COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came \_\_\_\_\_ to me known, who, being by me duly sworn did depose and say that he resides at \_\_\_\_\_ that he is the \_\_\_\_\_ 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 the foregoing instrument is such seal; that it was an affixed by order of the board of directors of said corporation; and that he signed his name thereto by like order.

Notary Public

ACKNOWLEDGEMENT OF SURETY

STATE OF New York

SS:

COUNTY OF Nassau

On this 26th day of March, 2015, before me personally came Robert M. Kempner to me known, who, being by me duly sworn, did depose and say that he is an Attorney-In-Fact of Travelers Casualty & Surety Company of America the corporation described in and which executed the within instrument; that he knows the corporate seal of said corporation; that the seal affixed to the within instrument is such corporate seal, and that he signed and said instrument and affixed the said seal as Attorney-In-Fact by authority of the Board of Directors of said corporation and by authority of this office under the Standing Resolutions thereof.

**LYNN ANN INFANTI**  
Notary Public, State of New York  
No. 01IN8004351  
Qualified in Suffolk County  
Commission Expires March 23, 2018

My commission expires \_\_\_\_\_

  
\_\_\_\_\_  
Notary Public



## TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

HARTFORD, CONNECTICUT 06183

FINANCIAL STATEMENT AS OF DECEMBER 31, 2013

CAPITAL STOCK \$ 6,480,000

ASSETS		LIABILITIES & SURPLUS	
CASH AND INVESTED CASH	\$ 67,799,624	UNEARNED PREMIUMS	\$ 808,717,671
BONDS	3,452,214,898	LOSSES	809,863,176
INVESTMENT INCOME DUE AND ACCRUED	47,758,502	LOSS ADJUSTMENT EXPENSES	460,670,453
OTHER INVESTED ASSETS	265,099,610	COMMISSIONS	31,781,136
PREMIUM BALANCES	190,836,462	TAXES, LICENSES AND FEES	12,482,322
NET DEFERRED TAX ASSET	61,575,098	OTHER EXPENSES	38,437,893
REINSURANCE RECOVERABLE	11,361,414	FUNDS HELD UNDER REINSURANCE TREATIES	94,401,464
SECURITIES LENDING REINVESTED COLLATERAL ASSETS	4,910,772	CURRENT FEDERAL AND FOREIGN INCOME TAXES	18,387,407
RECEIVABLES FROM PARENT, SUBSIDIARIES AND AFFILIATES	30,772,481	REMITTANCES AND ITEMS NOT ALLOCATED	13,577,503
STATE SURCHARGES RECEIVABLE	258,771	AMOUNTS WITHHELD / RETAINED BY COMPANY FOR OTHERS	23,615,357
OTHER ASSETS	14,872,822	RETROACTIVE REINSURANCE RESERVE ASSUMED	1,511,674
		POLICYHOLDER DIVIDENDS	6,462,513
		PROVISION FOR REINSURANCE	3,970,484
		ADVANCE PREMIUM	1,078,609
		PAYABLE FOR SECURITIES LENDING	4,910,772
		DERIVATIVES	112,003
		CEDED REINSURANCE NET PREMIUMS PAYABLE	(64,954,254)
		ESCHEAT LIABILITY	471,948
		OTHER ACCRUED EXPENSES AND LIABILITIES	242,236
		TOTAL LIABILITIES	\$ 2,265,740,367
		CAPITAL STOCK	\$ 6,480,000
		PAID IN SURPLUS	433,803,760
		OTHER SURPLUS	1,441,436,327
		TOTAL SURPLUS TO POLICYHOLDERS	\$ 1,881,720,088
TOTAL ASSETS	\$ 4,147,460,454	TOTAL LIABILITIES & SURPLUS	\$ 4,147,460,454

STATE OF CONNECTICUT )  
COUNTY OF HARTFORD ) SS.  
CITY OF HARTFORD )

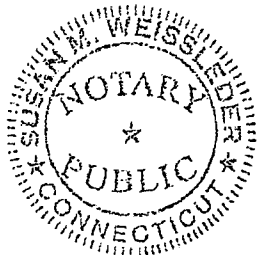
MICHAEL J. DOODY, BEING DULY SWORN, SAYS THAT HE IS SECOND VICE PRESIDENT, OF TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT STATEMENT OF THE FINANCIAL CONDITION OF SAID COMPANY AS OF THE 31ST DAY OF DECEMBER, 2013.

*Michael J. Doody*  
SECOND VICE PRESIDENT

SUBSCRIBED AND SWORN TO BEFORE ME THIS  
19TH DAY OF MARCH, 2014

*Susan M. Weissleder*  
NOTARY PUBLIC

SUSAN M. WEISSLEDER  
Notary Public  
My Commission Expires November 30, 2017







## POWER OF ATTORNEY

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

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

Attorney-In Fact No. 227595

Certificate No. 006111646

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

Joseph Sforzo, Robert W. O'Kane, Robert M. Kempner, Susan P. Hammel, and Matthew J. Kelly

of the City of Plainview, State of New York, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 6th day of October, 2014.

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

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



State of Connecticut  
 City of Hartford ss.

By: Robert L. Raney  
 Robert L. Raney, Senior Vice President

On this the 6th day of October, 2014, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed 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 hereunto set my hand and official seal.  
 My Commission expires the 30th day of June, 2016.



Marie C. Tetreault  
 Marie C. Tetreault, Notary Public



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

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

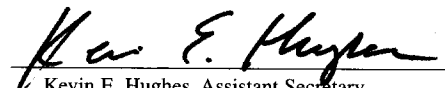
**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 26th day of March, 20 15.

  
Kevin E. Hughes, Assistant Secretary



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



## M/WBE PROGRAM

### M/WBE UTILIZATION PLAN

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

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

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

**Rejection of the Bid:** The bidder must complete Schedule B: M/WBE Utilization Plan (Part II) set forth in this Bid Booklet on the pages following the section entitled "Notice to All Prospective Contractors".

A Schedule B submitted by the bidder which does not include the Vendor Certification and Required Affirmations (See Section V of Part II) will be deemed to be non-responsive, unless a full waiver of the Participation Goals is granted (Schedule B, Part III). In the event that the City determines that the bidder has submitted a Schedule B where the Vendor Certification and Required Affirmations are completed but other aspects of the Schedule B are not complete, or contain a copy or computation error that is at odds with the Vendor Certification and Required Affirmations, the bidder will be notified by the Agency and will be given four (4) calendar days from receipt of notification to cure the specified deficiencies and return a completed Schedule B to the Agency. Failure to do so will result in a determination that the Bid is non-responsive. Receipt of notification is defined as the date notice is emailed or faxed (if the bidder has provided an email address or fax number), or no later than five (5) calendar days from the date of mailing or upon delivery, if delivered.

**Impact on LBE Requirements:** 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.



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

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

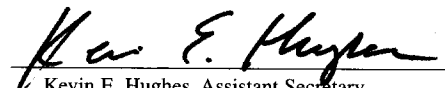
**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 26th day of March, 20 15.

  
Kevin E. Hughes, Assistant Secretary



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



## **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.



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](http://www.nyc.gov/buycertified), by emailing DSBS at [buyer@sbs.nyc.gov](mailto: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](http://www.nyc.gov/getcertified), emailing [MWBE@sbs.nyc.gov](mailto: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](mailto: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, whether the bidder, proposer or contractor, as applicable, has made efforts to form a joint venture with a certified firm, and whether the bidder, proposer, or contractor, as applicable, has made good faith efforts to identify other portions of the Contract that it intends to subcontract.

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 #: 85015B0107**SCHEDULE B – MWBE Utilization Plan****Part I: MWBE Participation Goals****Part I to be completed by contracting agency****Contract Overview**

APT E- Pin # 85015B0107 FMS Project ID#: BEDA-001

Project Title/ Agency  
PIN # CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT/8502015WM0008C

Bid/Proposal  
Response Date APRIL 2, 2015

Contracting Agency Department of Design and Construction

Agency Address 30-30 Thomson Avenue City Long Island City State NY Zip Code 11101

Contact Person Monika Beci Title MWBE Liaison & Compliance Analyst

Telephone # (718) 391-1128 Email BeciMo@ddc.nyc.gov

**Project Description** (attach additional pages if necessary)**PROJECT ID: BEDA001****FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT****Together With All Work Incidental Thereto  
BOROUGH OF BROOKLYN  
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
<b>Unspecified*</b>	<b>5%</b>
or	
Black American	UNSPECIFIED*
Hispanic American	UNSPECIFIED*
Asian American	UNSPECIFIED*
Women	UNSPECIFIED*
<b>Total Participation Goals</b>	<b>5%</b> <b>Line 1</b>

*\*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 #: \_\_\_\_\_

APT E-  
PIN #: 85015B0107**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 Information**

Tax ID #	<u>11 3353007</u>	FMS Vendor ID #	<u>622618</u>
Business Name	<u>ADC CONSTRUCTION, LLC</u>	Contact Person	<u>DOMENICK C. POLLORE</u>
Address	<u>58-08 48 ST MASPETH NY 11378</u>		
Telephone #	<u>718 628 5555</u>	Email	<u>ADCCONSTRUCTION@VERIZON.NET</u>

**Section II: M/WBE Utilization Goal Calculation: Check the applicable box and complete subsection.****PRIME CONTRACTOR ADOPTING AGENCY M/WBE PARTICIPATION GOALS**

<input checked="" type="checkbox"/> <b>For Prime Contractors (including Qualified Joint Ventures and M/WBE firms) adopting Agency M/WBE Participation Goals.</b>	<b>Total Bid/Proposal Value</b>	<b>Agency Total Participation Goals (Line 1, Page 13)</b>	<b>Calculated M/WBE Participation Amount</b>
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.	\$ <u>11,585,000</u> X	<u>5%</u>	= \$ <u>579,250</u> Line 2

**PRIME CONTRACTOR OBTAINED PARTIAL WAIVER APPROVAL: ADOPTING MODIFIED M/WBE PARTICIPATION GOALS**

<input type="checkbox"/> <b>For Prime Contractors (including Qualified Joint Ventures and M/WBE firms) adopting Modified M/WBE Participation Goals.</b>	<b>Total Bid/Proposal Value</b>	<b>Adjusted Participation Goal (From Partial Waiver)</b>	<b>Calculated M/WBE Participation Amount</b>
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



**Section III: M/WBE Utilization Plan: How Proposer/Bidder Will Fulfill M/WBE Participation Goals. Please review the Notice to Prospective Contractors for more information on how to obtain credit for M/WBE participation. Check applicable box. The Proposer or Bidder will fulfill the M/WBE Participation Goals:**

☐ As an M/WBE Prime Contractor that will self-perform and/or subcontract to other M/WBE firms a portion of the contract the value of which is at least the amount located on Lines 2 or 3 above, as applicable. The value of any work subcontracted to non-M/WBE firms will not be credited towards fulfillment of M/WBE Participation Goals. Please check all that apply to Prime Contractor:

☐ MBE ☐ WBE

☐ As a Qualified Joint Venture with an M/WBE partner, in which the value of the M/WBE partner's participation and/or the value of any work subcontracted to other M/WBE firms is at least the amount located on Lines 2 or 3 above, as applicable. The value of any work subcontracted to non M/WBE firms will not be credited towards fulfillment of M/WBE Participation Goals.

☒ As a non M/WBE Prime Contractor that will enter into subcontracts with M/WBE firms the value of which is at least the amount located on Lines 2 or 3 above, as applicable.

**Section IV: General Contract Information**

What is the expected percentage of the total contract dollar value that you expect to award in subcontracts for services, regardless of M/WBE status? % 6

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	Crossing guards	MBE	150,000
2	PAUT MKGS	MBE	35,000
3	Tree pruning	WBE	25,000
4	Asphalt paving	MBE	375,000
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			

✓ Scopes of Subcontract Work



Tax ID #: \_\_\_\_\_

APT E-  
PIN #:

85015B0107

### Section V: Vendor Certification and Required Affirmations

I hereby:

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

Signature

*Domenick Cipollone*

Date

4/2/15

Print Name

DOMENICK Cipollone

Title

PRESIDENT



## APPRENTICESHIP PROGRAM REQUIREMENTS

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

\_\_\_\_\_ ☒ YES

\_\_\_\_\_ NO

### (1) Apprenticeship Program Requirements

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

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

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

### (2) Apprenticeship Program Questionnaire

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



## APPRENTICESHIP PROGRAM QUESTIONNAIRE

PROJECT ID: BEDA001

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

1. Does the bidder have an Apprenticeship Program appropriate for the type and scope of work to be performed?  
[Note: Participation may be by either direct sponsorship or through collective bargaining agreement(s).]

✓ YES        NO

2. Has the bidder's Apprenticeship Program been registered with, and approved by, the New York State Commissioner of Labor?

✓ YES        NO

3. Has the bidder's Apprenticeship Program had three years of successful experience in providing career opportunities?

✓ YES        NO

If the answer to Question #3 is "Yes", the bidder shall, in the space below, provide information regarding the experience the Apprenticeship Program has had in providing career opportunities. The bidder may attach additional pages if necessary.

ADMINISTERED THROUGH LOCAL LABOR UNIONS 731, 1010

Bidder: ADC CONSTRUCTION, LLC

By: \_\_\_\_\_  
(Signature of Partner or Corporate Officer)

Title: PRESIDENT

Date: 4/2/15



**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: ADC CONSTRUCTION, LLCDDC Project Number: DED A 001

Company Size: \_\_\_\_\_ Ten (10) employees or less

☒ Greater than ten (10) employees

Company has previously worked for DDC \_\_\_\_\_ YES \_\_\_\_\_ NO

**2. Type(s) of Construction Work**

TYPE OF WORK	LAST 3 YEARS	THIS PROJECT
General Building Construction	_____	_____
Residential Building Construction	_____	_____
Nonresidential Building Construction	_____	_____
Heavy Construction, except building	_____	_____
Highway and Street Construction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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)	_____	_____

**3. Experience Modification Rate:**

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



Project ID. \_\_\_\_\_

The Contractor must indicate its Intrastate and Interstate EMR for the past three years. [Note: For contractors with less than three years of experience, the EMR will be considered to be 1.00].

YEAR	INTRASTATE RATE	INTERSTATE RATE
<u>12</u>	<u>1.0</u>	_____
<u>13</u>	<u>0.98</u>	_____
<u>14</u>	<u>0.96</u>	_____

If the Intrastate and/or Interstate EMR for any of the past three years is greater than 1.00, the contractor must attach, to this questionnaire, a written explanation for the rating and identify what corrective action was taken to correct the situation resulting in that rating.

#### 4. OSHA Information:

\_\_\_\_ YES    ☒ NO    Contractor has received a willful violation issued by OSHA or New York City Department of Buildings (NYCDOB) within the last three years.

\_\_\_\_ YES    ☒ NO    Contractor has had an incident requiring OSHA notification within 8 hours (i.e., fatality, or hospitalization of three or more employees).

The Occupational Safety and Health Act (OSHA) of 1970 requires employers with ten or more employees, on a yearly basis to complete and maintain on file the form entitled "Log of Work-related Injuries and Illnesses". This form is commonly referred to as the OSHA 300 Log (OSHA 200 Log for 2001 and earlier).

The OSHA 300 Log must be submitted for the last three years for contractors with more than ten employees.

The Contractor must indicate the total number of hours worked by its employees, as reflected in payroll records for the past three years.

The contractor must submit the Incident Rate for Lost Time Injuries (the Incident Rate) for the past three years. The Incident Rate is calculated in accordance with the formula set forth below. For each given year, the total number of incidents is the total number of non-fatal injuries and illnesses reported on the OSHA 300 Log. The 200,000 hours represents the equivalent of 100 employees working forty hours a week, fifty weeks per year.

$$\text{Incident Rate} = \frac{\text{Total Number of Incidents} \times 200,000}{\text{Total Number of Hours Worked by Employees}}$$

YEAR	TOTAL NUMBERS OF HOURS WORKED BY EMPLOYEES	INCIDENT RATE
<u>12</u>	<u>126,016</u>	<u>1.59</u>
<u>13</u>	<u>129,456</u>	<u>1.55</u>
<u>14</u>	<u>123,549</u>	<u>6.48</u>



Project ID. \_\_\_\_\_

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

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

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

☒ YES ☐ NO Contractor previously audited by the DDC Office of Site Safety.

DDC Project Number(s): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

☒ YES ☐ NO Accident on previous DDC Project(s).

DDC Project Number(s): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

☐ YES ☒ NO 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: 4/2/15

By: *Joseph Glee*  
(Signature of Owner, Partner, Corporate Officer)

Title: PRESIDENT



# Log of Work-Related Injuries and Illnesses

**Attention:** This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

You must record information about every work-related death and about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR Part 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Establishment name ADC CONSTRUCTION LLC, JOBSITE  
City NY State NY

## Identify the person

(A) Case no. (B) Employee's name (C) Job title (e.g., Welder)

## Describe the case

(D) Date of injury or onset of illness (E) Where the event occurred (e.g., Loading dock north end) (F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g., Second degree burns on right forearm from acetylene torch)

## Classify the case

CHECK ONLY ONE box for each case based on the most serious outcome for that case:

Remained at Work  
Days away from work (H) ☒ Job transfer or restriction (I) ☐ Other recordable cases (J) ☐ (U)

## Enter the number of days the injured or ill worker was:

Away from work (K) 11 days 0 days On job transfer or restriction (L) 0 days

## Check the "injury" column or choose one type of illness:

(M) Injury (1) ☐ (2) ☐ (3) ☐ (4) ☐ (5) ☐ (6) ☐ All other illnesses (7) ☐ Hearing loss (8) ☐ Poisoning (9) ☐ Respiratory condition (10) ☐ Skin disorder (11) ☐ (12) ☐ (13) ☐ (14) ☐ (15) ☐ (16) ☐ (17) ☐ (18) ☐ (19) ☐ (20) ☐ (21) ☐ (22) ☐ (23) ☐ (24) ☐ (25) ☐ (26) ☐ (27) ☐ (28) ☐ (29) ☐ (30) ☐ (31) ☐ (32) ☐ (33) ☐ (34) ☐ (35) ☐ (36) ☐ (37) ☐ (38) ☐ (39) ☐ (40) ☐ (41) ☐ (42) ☐ (43) ☐ (44) ☐ (45) ☐ (46) ☐ (47) ☐ (48) ☐ (49) ☐ (50) ☐ (51) ☐ (52) ☐ (53) ☐ (54) ☐ (55) ☐ (56) ☐ (57) ☐ (58) ☐ (59) ☐ (60) ☐ (61) ☐ (62) ☐ (63) ☐ (64) ☐ (65) ☐ (66) ☐ (67) ☐ (68) ☐ (69) ☐ (70) ☐ (71) ☐ (72) ☐ (73) ☐ (74) ☐ (75) ☐ (76) ☐ (77) ☐ (78) ☐ (79) ☐ (80) ☐ (81) ☐ (82) ☐ (83) ☐ (84) ☐ (85) ☐ (86) ☐ (87) ☐ (88) ☐ (89) ☐ (90) ☐ (91) ☐ (92) ☐ (93) ☐ (94) ☐ (95) ☐ (96) ☐ (97) ☐ (98) ☐ (99) ☐ (100) ☐ (101) ☐ (102) ☐ (103) ☐ (104) ☐ (105) ☐ (106) ☐ (107) ☐ (108) ☐ (109) ☐ (110) ☐ (111) ☐ (112) ☐ (113) ☐ (114) ☐ (115) ☐ (116) ☐ (117) ☐ (118) ☐ (119) ☐ (120) ☐ (121) ☐ (122) ☐ (123) ☐ (124) ☐ (125) ☐ (126) ☐ (127) ☐ 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# OSHA's Form 300 (Rev. 01/2004)

## Log of Work-Related Injuries and Illnesses

**Attention:** This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year 2013

U.S. Department of Labor  
Occupational Safety and Health Administration

You must record information about every work-related death and about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR Part 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an Injury and Illness Incident Report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Dorm approved OMB no. 1218-0176

Establishment name ADC CONSTRUCTION LLC

City MASPETH

State NY

### Identify the person

### Describe the case

### Classify the case

(A) Case No.	(B) Employee's name	(C) Job title (e.g., Welder)	(D) Date of injury or onset of illness	(E) Where the event occurred (e.g., Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g., Second degree burns on right forearm from acetylene torch)
2013-2	McLEAN, HUBERT A		07/01/13	NOSTRAND AVE PROJ, BKLYN	RIGHT FOOT MIGHT BE FRACTURED WITH LACERATION ACROSS TOP OF FOOT, FOOT, 12X12 TIMBER

Enter the number of  
days the injured or ill  
worker was:

Away  
from  
work

(K)

0

On job  
transfer or  
restriction

(L)

0

Check the "injury" column or  
choose one type of illness:

(A) Death	(B) Skin disease	(C) Respiratory condition	(D) Poisoning	(E) Hearing loss	(F) Other illnesses
(1) (2) (3) (4) (5) (6)	(7) (8) (9) (10) (11) (12)	(13) (14) (15) (16) (17) (18)	(19) (20) (21) (22) (23) (24)	(25) (26) (27) (28) (29) (30)	(31) (32) (33) (34) (35) (36)

Report Total

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Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistical Analysis, Room N-3644, 200 Constitution Avenue, NW, Washington, DC 20210. Do not send the completed forms to this office.







## 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.



# A. PROJECT REFERENCES - SIMILAR CONTRACTS COMPLETED BY THE BIDDER

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
HWP2011KC Construction of Complex Pedestrian Ramps Brooklyn	Highway	\$3,665	09-Apr-13	NYC DDC Robert Yueh, P.E. Borough Director (718) 391-1937	Same
SEX-00201V Collapsed Sewers Bronx	Sewer	\$4,059	18-Oct-12	NYC DEP Dan Lefkowitz, P.E. Deputy Chief Emergency Construction (718) 595-7657	Same
SEQ200480 Sewer in 119th Ave etc. Queens	Sewer	\$1,937	07-Aug-12	NYC DDC Patrick Larkin, P.E. Borough Director (718) 391-1958	Same
SEQ200536 Sewer in 182nd Street Queens	Sewer	\$1,732	07-Aug-12	NYC DDC Patrick Larkin, P.E. Borough Director (718) 391-1958	Same
HWK-1180 Reconstruction of Kingston Ave Brooklyn	Highway	\$6,046	18-Nov-11	NYC DDC Robert Yueh, P.E. Borough Director (718) 391-1937	Same



# A. PROJECT REFERENCES - SIMILAR CONTRACTS COMPLETED BY THE BIDDER

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
HWFP2009K Construction of Complex Pedestrian Ramps Brooklyn	Highway	\$4,132	04-Nov-11	NYC DDC Robert Yueh, P.E. Borough Director (718) 391-1937	Same
SEQ-200493 Sewer in 117th Rd etc. Queens	Sewer	\$2,397	15-Sep-11	NYC DDC Patrick Larkin, P.E. Borough Director (718) 391-1958	Same
SEX-00201U Collapsed Sewers Bronx	Sewer	\$4,176	04-Sep-11	NYC DEP Dan Lefkowitz, P.E. Deputy Chief Emergency Construction (718) 595-7657	Same
SEX-00201T Collapsed Sewers Bronx	Sewer	\$4,584	25-Jul-10	NYC DEP Dan Lefkowitz, P.E. Deputy Chief Emergency Construction (718) 595-7657	Same
HWQP-2028 Reconstruction of Paerdegat Area Brooklyn	Highway	\$4,142	17-Dec-09	NYC DDC Robert Yueh, P.E. Borough Director (718) 391-1937	Same



# B. PROJECT REFERENCES - CONTRACTS CURRENTLY UNDER CONSTRUCTION BY THE BIDDER

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

Project & Location	Contract Type	Contract Amount (\$000)	Subcontracted to others (\$000)	Uncompleted Portion (\$000)	Date Scheduled to Complete	Owner Reference & Tel. No.	Architect/Engineer Reference & Tel. No. if different from owner
HWK-1129 Reconstruction of Nostrand Ave Brooklyn	Highway	\$23,509	\$5,230	\$350	15-May-15	NYC DDC Robert Yueh, P.E. Borough Director (718) 391-1937	Same
HWP2013KC Construction of Complex Pedestrian Highway Brooklyn		\$3,158	\$190	\$1,500	03-Nov-15	NYC DDC Robert Yueh, P.E. Borough Director (718) 391-1937	Same
SEK201BN4 Collapsed Sewers Brooklyn	Sewer	\$5,313	\$175	\$2,500	14-Sep-15	NYC DEP Dan Lefkowitz, P.E. Deputy Chief Emergency Construction (718) 595-7657	Same



### C. PROJECT REFERENCES - PENDING CONTRACTS NOT YET STARTED BY BIDDER

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

Project & Location	Contract Type	Contract Amount (\$000)	Date Scheduled to Start	Owner Reference & Tel. No.	Architect/Engineer Reference & Tel. No. if different from owner
HWCSCSCH3G2 School Traffic Safety Bronx, Manhattan & Brooklyn	Highway	\$3,958	Awaiting NTP	NYC DDC Robert Yueh, P.E. Borough Director (718) 391-1937	
SEK201BN5 Collapsed Sewers Brooklyn	Sewer	\$5,385	08-Sep-15	NYC DEP Dan Lefkowitz, P.E. Deputy Chief Emergency Construction (718) 595-7657	
SEK002373 Catch Basins Various Locations Brooklyn	Sewer	\$849	Awaiting NTP	NYC DDC Robert Yueh, P.E. Borough Director (718) 391-1937	



# Certificate of No Change Form

- Please fill in all the fields and DO NOT leave any field blank.
- 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, Domenick Cipollone, being duly sworn, state that I have read  
*Enter Your Name*

and understand all the items contained in the vendor questionnaire and any submission of change as identified on page one of this form and certify that as of this date, these items have not changed. I further certify that, to the best of my knowledge, information and belief, those answers are full, complete, and accurate; and that, to the best of my knowledge, information, and belief, those answers continue to be full, complete, and accurate.

In addition, I further certify on behalf of the submitting vendor that the information contained in the principal questionnaire(s) and any submission of change identified on page two of this form have not changed and have been verified and continue, to the best of my knowledge, to be full, complete and accurate.

I understand that the City of New York will rely on the information supplied in this certification as additional inducement to enter into a contract with the submitting entity.

## Vendor Questionnaire *This section is required.*

*This refers to the vendor questionnaire(s) submitted for the vendor doing business with the City.*

Name of Submitting Entity: ADC Construction, LLC

Vendor's Address: 58-08 48th Street Maspeth, New York 11378

Vendor's EIN or TIN: 11-3353007 Requesting Agency: NYC DDC

Are you submitting this Certification as a parent? (Please circle one) Yes ☐ No ☒

Signature date on the last full vendor questionnaire signed by the submitting vendor: 6-27-13

Signature date on changed submission, if applicable, for the submitting vendor: N/A



# Principal Questionnaire

This section refers to the most recent principal questionnaire submissions.



	Principal Name	Date of signature on last full Principal Questionnaire	Date(s) of signature on Changed Submission (if applicable)
1	Domenick Cipollone	6-27-13	
2	Anthony Cipollone	6-27-13	
3			
4			
5			
6			

☐ Check if additional changes were submitted and attach a document with the date of additional submissions.

## Certification *This section is required.*

*This form must be signed and notarized. Please complete this twice. Copies will not be accepted.*

### Certified By:

Domenick Cipollone  
Name (Print)

President  
Title

ADC Construction, LLC  
Name of Submitting Entity

*Domenick Cipollone*  
Signature

4/2/15  
Date

### Notarized By:

*Melissa Gallagher*  
Notary Public

Queens  
County License Issued

01GA6013314  
License Number

Sworn to before me on: 4/2/15  
Date



## IRAN DIVESTMENT ACT COMPLIANCE RIDER

### FOR NEW YORK CITY CONTRACTORS

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

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

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

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

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



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

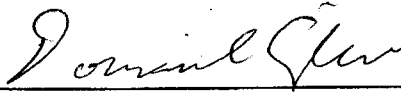
Pursuant to General Municipal Law §103-g, which generally prohibits the City from entering into contracts with persons engaged in investment activities in the energy sector of Iran, the bidder/proposer submits the following certification:

[Please Check One]

**BIDDER'S CERTIFICATION**

- ☒ By submission of this bid or proposal, each bidder/proposer and each person signing on behalf of any bidder/proposer certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief, that each bidder/proposer is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the State Finance Law.
- ☐ I am unable to certify that my name and the name of the bidder/proposer does not appear on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the State Finance Law. I have attached a signed statement setting forth in detail why I cannot so certify.

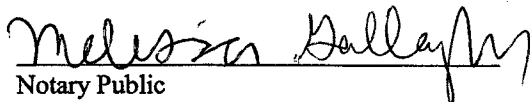
Dated: QUEENS, New York  
April 2, 2015

  
SIGNATURE

DOMENICK CIPOLLONE  
PRINTED NAME

PRESIDENT  
TITLE

Sworn to before me this  
2nd day of April 2015

  
Notary Public

Dated: 4/2/15



**THE CITY OF NEW YORK  
DEPARTMENT OF SMALL BUSINESS SERVICES  
DIVISION OF LABOR SERVICES  
CONTRACT COMPLIANCE UNIT  
110 WILLIAMS STREET  
NEW YORK, NEW YORK 10038  
PHONE: (212) 513-6323  
FAX: (212) 618-8879**

## **CONSTRUCTION**

## **EMPLOYMENT**

## **REPORT**



**(NO TEXT ON THIS PAGE)**



The City of New York  
Department of Small Business Services  
Division of Labor Services  
Contract Compliance Unit  
110 William Street  
New York, New York 10038  
Phone: (212) 513 - 6323  
Fax: (212) 618-8879

CONSTRUCTION EMPLOYMENT REPORT  
INSTRUCTIONS

WHO MUST FILE A CONSTRUCTION EMPLOYMENT REPORT

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

CONTRACT FUNDING SOURCE	CONTRACTOR	CONTRACT VALUE	SUBMISSION REQUIREMENT
Federal/Federally assisted	Prime and subcontractors	\$10,000 or greater	Construction Employment Report
City and state funded	Prime contractor	\$1,000,000 or greater	
	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:



1. Within five (5) business days, DLS will review the ER for completeness and accuracy. If any information is omitted or incorrect, or if necessary documents are not submitted, the submission shall be deemed incomplete and DLS will inform the contractor. The substantive compliance review does not commence until the submission is complete. An incomplete submission will delay the review process and may preclude or interrupt the contract approval.

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

**Certificate of Approval**

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

**Continued Approval Certificate**

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

**Conditional Certificate of Compliance**

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

**Determination of Nonperformance**

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

## HOW TO COMPLETE THE EMPLOYMENT REPORT

### Contents

**General Information**

**Part I: Contractor/Subcontractor Information**

**Part II: Employment Policies and Practices**

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

**Signature Page**

### PART I: CONTRACTOR/SUBCONTRACTOR INFORMATION

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

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

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

Question 14a-g: The Project Identification Number (PIN) and the Contract Registration ID Number (CT#) can be obtained from the City agency. Provide a description of the trade work you will perform on this project and the address where the work will be performed. Subcontractors can obtain this information from the contract they have with the prime contractor.

Questions 15 – 18: If your company has received a valid Certificate of Approval within the past 36 months, been audited by the United States Department of Labor, Office of Federal Contract Compliance Programs (OFCCP), or if your company has submitted an ER for a different contract for which you have not yet received a compliance certificate, then you only need to complete and submit the following:

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



If your company is currently waiting for an approval on another contract previously submitted, be certain to identify the date on which you submitted the completed Employment Report, the name of the City contracting agency with which the contract was made, and the name and telephone number of the person to whom the Employment Report was submitted.

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

- Question 18: If the company was audited by the OFCCP, also provide the following:
- Identify the reviewing OFCCP office by its name and address
  - If an unconditional certificate of compliance was issued by the OFCCP, attach a copy of the certificate in lieu of completing Parts II and III;
  - Include copies of all corrective actions and documentation of OFCCP's performance; and
  - Provide a copy of all stated OFCCP findings.
- Question 19: Please provide a copy of any Collective Bargaining Agreement(s) which is negotiated through an employer trade association on behalf of your organization or any of its affiliates.

## **PART II: EMPLOYMENT POLICIES AND PRACTICES**

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

Questions 20a – j: You must respond to the questions as to whether or not your firm has documents reflecting written policies, benefits and procedures. If so, then you must identify by name each document in which the policy(ies), procedure(s) and benefit(s) is located and submit copies of all of the document(s). If your firm follows unwritten practices or procedures, include an explanation of how they operate. Please submit the most current document(s), including all applicable amendments. Label each document and/or unwritten practice according to the question to which it corresponds (e.g. 20a, 20b, etc.)

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

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

Questions 23a – e: Inquires into whether or not there is a requirement that an applicant or employee be subjected to a medical examination at any given time. Copies of the medical information questionnaire and instructions must be submitted with the Employment Report.

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

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

Question 26: If your firm or collective bargaining agreement has an internal grievance procedure, indicate this and submit a copy of the policy and procedure. If unwritten, explain its nature and operation. Explain how your firm's procedure addresses EEO complaints.

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

1. Number of complaint(s)	2. Nature of the complaint(s)	3. Position(s) of the complainant(s)	4. Was an investigation conducted? 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 was filed	3. Nature of the complaint(s)	4. Current status	5. If not pending, the complaint's disposition
------------------------------	---	-------------------------------	-------------------	--

Question 29: Identify each job for which a physical qualification exists. Identify and explain the physical qualification(s) for each stated job. Submit job descriptions for each job and the reasons for the qualifications.

Question 30: Identify each job for which there exists any qualification related to age, race, color, national origin, sex, creed, disability, marital status, sexual orientation or citizenship status. Identify and explain the specific related qualification for each job stated. Submit job descriptions for each job and the reasons for the qualifications.

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

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

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

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

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

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

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

### **SIGNATURE PAGE**

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



The City of New York Department of Small Business Services  
Division of Labor Services Contract Compliance Unit  
110 William Street, New York, New York 10038  
Phone: (212) 513 - 6323  
Fax: (212) 618-8879

### CONSTRUCTION EMPLOYMENT REPORT

#### GENERAL INFORMATION

1. Your contractual relationship in this contract is: Prime contractor  x  Subcontractor
- 1a. Are M/WBE goals attached to this project? Yes   No
2. Please check one of the following if your firm would like information on how to certify with the City of New York as a:  

<u> </u> Minority Owned Business Enterprise	<u> </u> Locally Based Business Enterprise
<u> </u> Women Owned Business Enterprise	<u> </u> Emerging Business Enterprise
<u> </u> Disadvantaged Business Enterprise	
- 2a. If you are certified as an **MBE, WBE, LBE, EBE** or **DBE**, what city/state agency are you certified with?   Are you DBE certified? Yes   No
3. Please indicate if you would like assistance from SBS in identifying certified M/WBEs for contracting opportunities: Yes   No
4. Is this project subject to a project labor agreement? Yes   No
5. Are you a Union contractor? Yes   No   If yes, please list which local(s) you affiliated with
6. Are you a Veteran owned company? Yes   No

#### PART 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) \_\_\_\_\_  
Procurement Identification Number (PIN) 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.

**NOTE: DLS WILL NOT ISSUE A CONTINUED CERTIFICATE OF APPROVAL IN CONNECTION WITH THIS CONTRACT UNLESS THE REQUIRED CORRECTIVE ACTIONS IN PRIOR CONDITIONAL 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: \_\_\_\_\_

Telephone: \_\_\_\_\_

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) 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, attach a list of such associations and all applicable CBA's.

## **PART II: DOCUMENTS REQUIRED**

20. For the following policies or practices, attach the relevant documents (e.g., printed booklets, brochures, manuals, memoranda, etc.). If the policy(ies) are unwritten, attach a full explanation of the practices. See instructions.

- \_\_\_ (a) Health benefit coverage/description(s) for all management, nonunion and union employees (whether company or union administered)
- \_\_\_ (b) Disability, life, other insurance coverage/description
- \_\_\_ (c) Employee Policy/Handbook
- \_\_\_ (d) Personnel Policy/Manual
- \_\_\_ (e) Supervisor's Policy/Manual
- \_\_\_ (f) Pension plan or 401k coverage/description for all management, nonunion and union employees, whether company or union administered
- \_\_\_ (g) Collective bargaining agreement(s).
- \_\_\_ (h) Employment Application(s)
- \_\_\_ (i) Employee evaluation policy/form(s).
- \_\_\_ (j) Does your firm have medical and/or non-medical (i.e. education, military, personal, pregnancy, child care) leave policy?



21. 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                     | Yes___ No___ |
| (b) After a conditional job offer          | Yes___ No___ |
| (c) After a job offer                      | Yes___ No___ |
| (d) Within the first three days on the job | Yes___ No___ |
| (e) To some applicants                     | Yes___ No___ |
| (f) To all applicants                      | Yes___ No___ |
| (g) To some employees                      | Yes___ No___ |
| (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          | 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.

\_\_\_\_\_

\_\_\_\_\_

24. 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.

\_\_\_\_\_

\_\_\_\_\_

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 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 requirements, as contained in Chapter 56 of the City Charter, Executive Order No. 50 (1980), as amended, 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 Employment 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 underutilizing minorities and females in any given trade based on Chapter 56 Section 3H, the Division of Labor Services reserves the right to request the contractor's workforce data and to implement an employment program.

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 any data or information submitted herewith may result in the termination of the contract between the City and the bidder or contractor and in disapproval of future contracts for a period of up to five years. Further, such falsification may result in civil and/or criminal prosecution.

To the extent permitted by law and consistent with the proper discharge of DLS' responsibilities under Charter Chapter 56 of the City Charter and Executive Order No. 50 (1980) and the implementing Rules and Regulations, all information provided by a contractor to DLS shall be confidential.

**Only original signatures accepted.**

Sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date



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

1. Do you plan to subcontract work on this contract? Yes ☐ No ☐
2. If yes, complete the chart below.

**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

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

Trade:

Union Affiliation, if applicable

Total (Col. #1-10):

Total Minority, Male & Female  
(Col. #2,3,4,5,7,8,9, & 10):

Total Female  
(Col. #6 - 10):

### **MALES**

(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer.
J				
H				
A				
TRN				
TOT				

### **FEMALES**

(6) White Non Hisp.	(7) Black Non Hisp.	(8) Hisp.	(9) Asian	(10) Native Amer.
J				
H				
A				
TRN				
TOT				

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



# FORM B: PROJECTED WORKFORCE

Trade:

\_\_\_\_\_

Union Affiliation, if applicable

\_\_\_\_\_

Total (Col. #1-10):

\_\_\_\_\_

Total Minority, Male & Female  
(Col. #2,3,4,5,7,8,9, & 10):

\_\_\_\_\_

Total Female  
(Col. #6 - 10):

\_\_\_\_\_

## MALES

(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer.
J				
H				
A				
TRN				
TOT				

## FEMALES

(6) White Non Hisp.	(7) Black Non Hisp.	(8) Hisp.	(9) Asian	(10) Native Amer.

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

\_\_\_\_\_

\_\_\_\_\_



# **FORM C: CURRENT WORKFORCE**

## **TRADE CLASSIFICATION CODES**

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

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.

Trade:	MALES					FEMALES											
	(1)		(2)		(3)	(4)		(5)	(6)		(7)		(8)	(9)		(10)	
	White Non Hisp.	Black Non Hisp.	White Non Hisp.	Black Non Hisp.	Hispanic	Asian	Native Amer.	White Non Hisp.	Black Non Hisp.	Hispanic	Asian	Native Amer.					
J																	
H																	
A																	
TRN																	
TOT																	

Total (Col. #1-10):

Total Minority, Male & Female  
(Col. #2,3,4,5,7,8,9, & 10):

Total Female  
(Col. #6 - 10):

Union Affiliation, if applicable

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



# FORM C: CURRENT WORKFORCE

Trade:

\_\_\_\_\_

Union Affiliation, if applicable

\_\_\_\_\_

Total (Col. #1-10):

\_\_\_\_\_

Total Minority, Male & Female  
(Col. #2,3,4,5,7,8,9, & 10):

\_\_\_\_\_

Total Female  
(Col. #6 – 10):

\_\_\_\_\_

## MALES

(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer.

J

H

A

TRN

TOT

## FEMALES

(6) White Non Hisp.	(7) Black Non Hisp.	(8) Hisp.	(9) Asian	(10) Native Amer.

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

\_\_\_\_\_

\_\_\_\_\_



(NO TEXT ON THIS PAGE)



The City of New York Department of Small Business Services  
Division of Labor Services Contract Compliance Unit  
110 William Street, New York, New York 10038  
Phone: (212) 513 - 6323  
Fax: (212) 618-8879

### CONSTRUCTION EMPLOYMENT REPORT

#### GENERAL INFORMATION

1. Your contractual relationship in this contract is: Prime contractor \_\_\_\_\_ Subcontractor x
- 1a. Are M/WBE goals attached to this project? Yes \_\_\_\_\_ No \_\_\_\_\_
2. Please check one of the following if your firm would like information on how to certify with the City of New York as a:  

<input type="checkbox"/> Minority Owned Business Enterprise	<input type="checkbox"/> Locally Based Business Enterprise
<input type="checkbox"/> Women Owned Business Enterprise	<input type="checkbox"/> Emerging Business Enterprise
<input type="checkbox"/> Disadvantaged Business Enterprise	
- 2a. If you are certified as an **MBE, WBE, LBE, EBE** or **DBE**, what city/state agency are you certified with? \_\_\_\_\_ Are you DBE certified? Yes \_\_\_\_\_ No \_\_\_\_\_
3. Please indicate if you would like assistance from SBS in identifying certified M/WBEs for contracting opportunities: Yes \_\_\_\_\_ No \_\_\_\_\_
4. Is this project subject to a project labor agreement? Yes \_\_\_\_\_ No \_\_\_\_\_
5. Are you a Union contractor? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, please list which local(s) you affiliated with \_\_\_\_\_
6. Are you a Veteran owned company? Yes \_\_\_\_\_ No \_\_\_\_\_

#### PART 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 \_\_\_\_\_ Telephone Number \_\_\_\_\_  
(If same as Item #10, write "same")
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) \_\_\_\_\_  
Procurement Identification Number (PIN) 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.

**NOTE: DLS WILL NOT ISSUE A CONTINUED CERTIFICATE OF APPROVAL IN CONNECTION WITH THIS CONTRACT UNLESS THE REQUIRED CORRECTIVE ACTIONS IN PRIOR CONDITIONAL 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: \_\_\_\_\_

Telephone: \_\_\_\_\_

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) 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, attach a list of such associations and all applicable CBA's.

## **PART II: DOCUMENTS REQUIRED**

20. For the following policies or practices, attach the relevant documents (e.g., printed booklets, brochures, manuals, memoranda, etc.). If the policy(ies) are unwritten, attach a full explanation of the practices. See instructions.

- \_\_\_ (a) Health benefit coverage/description(s) for all management, nonunion and union employees (whether company or union administered)
- \_\_\_ (b) Disability, life, other insurance coverage/description
- \_\_\_ (c) Employee Policy/Handbook
- \_\_\_ (d) Personnel Policy/Manual
- \_\_\_ (e) Supervisor's Policy/Manual
- \_\_\_ (f) Pension plan or 401k coverage/description for all management, nonunion and union employees, whether company or union administered
- \_\_\_ (g) Collective bargaining agreement(s).
- \_\_\_ (h) Employment Application(s)
- \_\_\_ (i) Employee evaluation policy/form(s).
- \_\_\_ (j) Does your firm have medical and/or non-medical (i.e. education, military, personal, pregnancy, child care) leave policy?



21. 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                     | Yes___ No___ |
| (b) After a conditional job offer          | Yes___ No___ |
| (c) After a job offer                      | Yes___ No___ |
| (d) Within the first three days on the job | Yes___ No___ |
| (e) To some applicants                     | Yes___ No___ |
| (f) To all applicants                      | Yes___ No___ |
| (g) To some employees                      | Yes___ No___ |
| (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          | 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.

\_\_\_\_\_

\_\_\_\_\_

24. 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.

\_\_\_\_\_

\_\_\_\_\_

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 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 requirements, as contained in Chapter 56 of the City Charter, Executive Order No. 50 (1980), as amended, 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 Employment 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 underutilizing minorities and females in any given trade based on Chapter 56 Section 3H, the Division of Labor Services reserves the right to request the contractor's workforce data and to implement an employment program.

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 any data or information submitted herewith may result in the termination of the contract between the City and the bidder or contractor and in disapproval of future contracts for a period of up to five years. Further, such falsification may result in civil and/or criminal prosecution.

To the extent permitted by law and consistent with the proper discharge of DLS' responsibilities under Charter Chapter 56 of the City Charter and Executive Order No. 50 (1980) and the implementing Rules and Regulations, all information provided by a contractor to DLS shall be confidential.

**Only original signatures accepted.**

Sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date



**FORM A. CONTRACT BID INFORMATION: USE OF SUBCONTRACTORS/TRADES**

1. Do you plan to subcontract work on this contract? Yes ☐ No ☐
2. If yes, complete the chart below.

**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

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

Trade:

Union Affiliation, if applicable

Total (Col. #1-10):

Total Minority, Male & Female  
(Col. #2,3,4,5,7,8,9, & 10):

Total Female  
(Col. #6 - 10):

### **MALES**

(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer.

J

H

A

TRN

TOT

### **FEMALES**

(6) White Non Hisp.	(7) Black Non Hisp.	(8) Hisp.	(9) Asian	(10) Native Amer.

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



# FORM B: PROJECTED WORKFORCE

Trade:

\_\_\_\_\_

Union Affiliation, if applicable

\_\_\_\_\_

Total (Col. #1-10):

\_\_\_\_\_

Total Minority, Male & Female  
(Col. #2,3,4,5,7,8,9, & 10):

\_\_\_\_\_

Total Female  
(Col. #6 - 10):

\_\_\_\_\_

## MALES

(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer.
J				
H				
A				
TRN				
TOT				

## FEMALES

(6) White Non Hisp.	(7) Black Non Hisp.	(8) Hisp.	(9) Asian	(10) Native Amer.

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

\_\_\_\_\_

\_\_\_\_\_



# **FORM C: CURRENT WORKFORCE**

## **TRADE CLASSIFICATION CODES**

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

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.

Trade:	MALES					FEMALES				
	(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer.	(6) White Non Hisp.	(7) Black Non Hisp.	(8) Hisp.	(9) Asian	(10) Native Amer.
J										
H										
A										
TRN										
TOT										

Total (Col. #1-10):

Total Minority, Male & Female  
(Col. #2,3,4,5,7,8,9, & 10):

Total Female  
(Col. #6 - 10):

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



# FORM C: CURRENT WORKFORCE

Trade:

Union Affiliation, if applicable

Total (Col. #1-10):

Total Minority, Male & Female  
(Col. #2,3,4,5,7,8,9, & 10):

Total Female  
(Col. #6 – 10):

## MALES

## FEMALES

	(1) White Non Hisp.	(2) Black Non Hisp.	(3) Hisp.	(4) Asian	(5) Native Amer.	(6) White Non Hisp.	(7) Black Non Hisp.	(8) Hisp.	(9) Asian	(10) Native Amer.
J										
H										
A										
TRN										
TOT										

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



(NO TEXT ON THIS PAGE)



The City of New York Department of Small Business Services  
Division of Labor Services Contract Compliance Unit  
110 William Street, New York, New York 10038  
Phone: (212) 513 - 6323 Fax: (212) 618-8879

Date \_\_\_\_\_

File Number \_\_\_\_\_

LESS THAN \$750,000 SUBCONTRACT CERTIFICATE  
(CITY, STATE AND ICIP ONLY)

Are you currently certified as one of the following? Please check yes or no:

MBE Yes \_\_\_ No \_\_\_ WBE Yes \_\_\_ No \_\_\_ LBE Yes \_\_\_ No \_\_\_

DBE Yes \_\_\_ No \_\_\_ EBE Yes \_\_\_ No \_\_\_

If you are certified as an MBE, WBE, LBE, EBE or DBE, what city/state agency are you certified with?

Please check one of the following if your firm would like information 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, please 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)



Block and Lot Number  
(ICIP projects only)

Contract Amount

I, (print name of authorized official signing) \_\_\_\_\_ hereby certify that I am authorized by the above-named subcontractor to certify that said subcontractor's proposed contract with the above named owner or City agency is less than \$750,000. This affirmation is made in accordance with NYC Charter Chapter 56, Executive Order No. 50 (1980) and the implementing Rules.

Willful or fraudulent falsifications of any data or information submitted herewith may result in the termination of the contract between the City and the bidder or contractor and in disapproval of future contracts for a period of up to five years. Further, such falsification may result in civil and/or criminal prosecution.

Signature of authorized official

Date

**Only original signatures accepted.**

Sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

Notary Public

Authorized Signature

Date





NEW YORK CITY DEPARTMENT OF  
DESIGN + CONSTRUCTION

---

**INFRASTRUCTURE DIVISION  
BUREAU OF DESIGN**

---

**VOLUME 1 OF 3**

PROJECT ID: BEDA001

FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT

Together With All Work Incidental Thereto  
BOROUGH OF BROOKLYN  
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](http://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:

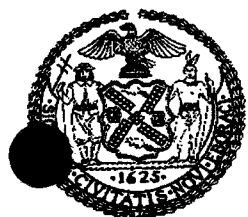
**PROJECT ID: BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN  
REPLACEMENT AND SEWER REHABILITATION AND REPLACEMENT**

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

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

**January 9, 2015**



**1 5-1 13**









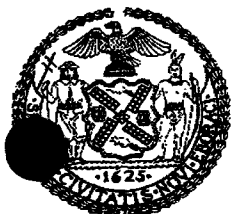
**THE CITY OF NEW YORK  
DEPARTMENT OF DESIGN AND CONSTRUCTION  
DIVISION OF INFRASTRUCTURE**

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

**January 9, 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 it to be used by all agencies for all bids released after the release of the new contract. The damages for delay language is Article 11. Please note that changes have been made to the damages for delay provisions from the pilot to the adopted version.

## **ARTICLE 22      INSURANCE**

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



**ARTICLE 26        EXTRA WORK**

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

**ARTICLE 37        LABOR LAW REQUIREMENTS**  
**ARTICLE 38        PAYROLL REPORTS**

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

**ARTICLE 70        ELECTRONIC FILING**

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

**Other significant changes include the following:**

**ARTICLE 7        INDEMNIFICATION**

Changes have been made to the indemnification provisions.

**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.



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**CITY OF NEW YORK**

**DEPARTMENT OF  
DESIGN AND CONSTRUCTION  
DIVISION OF INFRASTRUCTURES**

**INFORMATION FOR BIDDERS**

**SEPTEMBER 2008**



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

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## INFORMATION FOR BIDDERS

### 1. Description and Location of Work

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-1 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. Invitation For Bids and Contract Documents

(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) Deposit for Copy of Invitation For Bids Documents: 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) Additional Copies: Additional copies of the Invitation For Bids Documents may be obtained, subject to the conditions set forth in the advertisement for bids.

5. Pre-Bid Conference

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

6. Agency Contact

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

7. Bidder's Oath

(A) The bid shall be properly signed by an authorized representative of the bidder and the bid shall be verified by the written oath of the authorized representative who signed the bid, that the several matters stated and information furnished therein are in all aspects true.

(B) A materially false statement willfully or fraudulently made in connection with the bid or any of the forms completed and submitted with the bid may result in the termination of any Contract between the City and the Bidder. As a result, the Bidder may be barred from participating in future City contracts as well as be subject to possible criminal prosecution.

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

(A) Pre-Bidding (Investigation) Viewing of Site -Bidders must carefully view and examine the site of the proposed work, as well as its adjacent area, and seek other usual sources of information, for they will be conclusively presumed to have full knowledge of any and all conditions on, about or above the site relating to or affecting in any way the performance of the work to be done under the Contract which were or should have been indicated to a reasonably prudent bidder. To arrange a date for visiting the work site, bidders are to contact the Agency Contact person specified in Attachment 1.

(B) Should the contractor encounter during the progress of the work subsurface conditions at the site materially differing from any shown on the Contract Drawings or indicated in the Specifications or such subsurface conditions as could not reasonably have been anticipated by the contractor and were not anticipated by the City, which conditions will materially affect the cost of the work to be done under the



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

9. Examination of Proposed Contract

(A) Request for Interpretation or Correction: Prospective bidders must examine the Contract Documents carefully and before bidding must request the Commissioner in writing for an interpretation or correction of every patent ambiguity, inconsistency or error therein which should have been discovered by a reasonably prudent bidder. Such interpretation or correction, as well as any additional contract provisions the Commissioner may decide to include, will be issued in writing by the Commissioner as an addendum to the Contract, which will be transmitted to each person recorded as having received a copy of the Contract Documents from the Department. Transmission of such addendum will be by mail, e-mail, facsimile or hand delivery. Such addendum will also be posted at the place where the Contract Documents are available for the inspection of prospective bidders. Upon transmission as provided for herein, such addendum shall become a part of the Contract Documents, and binding on all bidders, whether or not actual notice of such addendum is shown.

(B) Only Commissioner's Interpretation or Correction Binding: Only the written interpretation or correction so given by the Commissioner shall be binding, and prospective bidders are warned that no other officer, agent or employee of the City is authorized to give information concerning, or to explain or interpret, the Contract.

(C) Documents given to a subcontractor for the purpose of soliciting the subcontractor's bid shall include either a copy of the bid cover sheet or a separate information sheet setting forth the project name, the Contract number (if available), the contracting agency and the Project's location.

10. Form of Bid

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

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

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.

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



17. Late Bids, Late Withdrawals and Late Modifications

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

18. Withdrawal of Bids.

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

19. Mistake in Bids

(A) Mistake Discovered Before Bid Opening: 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) Rejection of All Bids and Negotiation With All Responsible Bidders: The Agency Head may determine that it is appropriate to cancel the Invitation For Bids after bid opening and before award and to complete the acquisition by negotiation. This determination shall be based on one of the following reasons:



- (1) All otherwise acceptable bids received are at unreasonable prices, or only one bid is received and the Agency Chief Contracting Officer cannot determine the reasonableness of the bid price, or no responsive bid has been received from a responsible bidder; or
- (2) In the judgment of the Agency Chief Contracting Officer, the bids were not independently arrived at in open competition, were collusive, or were submitted in bad faith.

(D) When the Agency has determined that the Invitation for Bids is to be canceled and that use of negotiation is appropriate to complete the acquisition, the contracting officer may negotiate and award the Contract without issuing a new solicitation, subject to the following conditions:

- (1) prior notice of the intention to negotiate and a reasonable opportunity to negotiate have been given by the contracting officer to each responsible bidder that submitted a bid in response to the Invitation for Bids;
- (2) the negotiated price is the lowest negotiated price offered by a responsible bidder; and
- (3) the negotiated price is lower than the lowest rejected bid price of a responsible bidder that submitted a bid in response to the Invitation for Bids.

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

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

23. Affirmative Action and Equal Employment Opportunity

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

24. VENDEX Questionnaires

(A) Requirement: Pursuant to Administrative Code Section 6-116.2 and the PPB Rules, bidders may be obligated to complete and submit VENDEX Questionnaires. Generally, if this bid is \$100,000 or more, or if this bid when added to the sum total of all contracts, concessions and franchises the bidder has received from the City and any subcontracts received from City contractors over the past twelve months, equals or exceeds \$100,000, Vendex Questionnaires must be completed. If required, Vendex Questionnaires must be completed and submitted before any award of contract may be made or before approval is given for a proposed subcontractor. Non-compliance with these submission requirements may result in the disqualification of the bid, disapproval of a subcontractor, subsequent withdrawal of approval for the use of an approved subcontractor, or the cancellation of the contract after its award.

(B) Submission: 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](http://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) Performance and Payment Security: Performance and Payment Security must be provided in an amount and type specified in Attachment 1 (page A-1 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) Acceptable Types of Security: 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: (1) 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) Power of Attorney: 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. Bidder Responsibilities and Qualifications

(A) Bidders must include with their bids all information necessary for a determination of bidder responsibility, as set forth in the Specifications.

(B) The Agency may require any bidder or prospective bidder to furnish all books of account, records, vouchers, statements or other information concerning the bidder's financial status for examination as may be required by the Agency to ascertain the bidder's responsibility and capability to perform the Contract. If required, a bidder must also submit a sworn statement setting forth such information as the Agency may require concerning present and proposed plant and equipment, the personnel and qualifications of his working organizations, prior experience and performance record.

(C) Oral Examination on Qualifications: In addition thereto, and when directed by the Agency, the bidder, or a responsible officer, agent or employee of the bidder, must submit to an oral examination to be conducted by the Agency in relation to his proposed tentative plan and schedule of



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

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

29. Employment Report

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

30. Labor Law Requirements

(A) General: The successful bidder will be required to comply strictly with all Federal, State and local labor laws and regulations.

(B) New York State Labor Law: This Contract is subject to New York State Labor Law Section 220, which requires that construction workers on the site be paid prevailing wages and supplements. The Contractor is reminded that all wage provisions of this Contract will be enforced strictly and failure to comply will be considered when evaluating performance. Noncompliance may result in the contractor being debarred by the City from future contracts. Complaints filed with the Comptroller may result in decisions which may debar a contractor from bidding contracts with any state governmental entity and other political subdivisions.

(C) Records: The Contractor is expected to submit accurate payroll reports and other required documents and verify attendance and job classifications being utilized in compliance with the law, Contract provisions and agency procedures.

31. 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. Lump Sum Contracts

(A) Comparison of Bids: 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) Variations from Engineer's Estimate: The Engineer's Estimate of the quantity of excavation for which additional payment will be made is approximate only and is given solely to be used as a uniform basis for the comparison of bids and such estimate is not to be considered as part of this contract. The quantities actually required to complete the contract work may be more or less than the quantities in the Engineer's Estimate and, if so, no action for damages or for loss of profits shall accrue to the contractor by reason thereof.

33. Unit Price Contracts

(A) Comparison of Bids: 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. Licenses and Permits

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

36. Multiple Prime Contractors



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

37. Locally Based Enterprise Requirements (LBE)

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

(A) If any portion of the Contract is subcontracted, not less than ten percent of the total dollar amount of the contract shall be awarded to locally based enterprises ("LBEs"); except, where less than ten percent of the total dollar amount of the Contract is subcontracted, such lesser percentage shall be so awarded.

(B) No contractor shall require performance and payment bonds from LBE subcontractors.

(C) No Contract shall be awarded unless the contractor first identifies in its bid:

- (1) the percentage, dollar amount and type of work to be subcontracted; and
- (2) the percentage, dollar amount and type of work to be subcontracted to LBEs.

(D) Within ten calendar days after notification of low bid, the apparent low bidder shall submit an "LBE Participation Schedule" to the contracting agency. If such schedule does not identify sufficient LBE subcontractors to meet the requirements of Administrative Code Section 6-108.1, the apparent low bidder shall submit documentation of its good faith efforts to meet such requirements.

(1) The "LBE Participation Schedule" shall include:

- (a) the name and address of each LBE that will be given a subcontract,
- (b) the percentage, dollar amount and type of work to be subcontracted to the LBE, and
- (c) the dates when the LBE subcontract work will commence and end.

(2) The following documents shall be attached to the "LBE Participation Schedule":

- (a) verification letters from each subcontractor listed in the "LBE Participation Schedule" stating that the LBE will enter into a formal agreement for work,
- (b) certification documents of any proposed LBE subcontractor which is not on the LBE certified list, and
- (c) copies of the certification letter of any proposed subcontractor which is an LBE.

(3) Documentation of good faith efforts to achieve the required LBE percentage shall include as appropriate but not limited to the following:

- (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;
- (e) 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 it meets the required percentage.

(F) When a bidder indicates prior to award that no work will be subcontracted, no work may be subcontracted without the prior written approval of the Commissioner, which shall be granted only if the contractor in good faith seeks LBE subcontractors at least six weeks prior to the start of work.

(G) The contractor may not substitute or change any LBE which was identified prior to award of the contract without the written permission of the Commissioner. The contractor shall make a written application to the Commissioner for permission to make such substitution or change, explaining why the contractor needs to change its LBE subcontractor and how the contractor will meet its LBE subcontracting requirement. Copies of such application must be served on the originally identified LBE by certified mail return receipt requested, as well as the proposed substitute LBE. The Commissioner shall determine whether or not to grant the contractor's request for substitution.

### 38. Bid Submission Requirements

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



39. Comptroller's Certificate

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

40. Procurement Policy Board Rules

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

41. DDC Safety Requirements

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



**CITY OF NEW YORK**  
**DEPARTMENT OF DESIGN AND CONSTRUCTION**  
**SAFETY REQUIREMENTS**

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**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  
Technical Support Division – Bureau of Quality Assurance and Construction Safety

## I. POLICY ON SITE SAFETY

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

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

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

## II. PURPOSE

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

## III. DEFINITIONS

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

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

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



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Technical Support Division – Bureau of Quality Assurance and Construction Safety

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

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

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

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

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

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

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

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

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

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

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



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

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

#### **IV. RESPONSIBILITIES**

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

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

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

##### **B. Contractors**

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



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

## V. SAFETY QUESTIONNAIRE

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

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

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

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



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

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

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

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



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

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

- Public and pedestrian safety
- Fall protection
- Electrical hazards
- Scaffolding
- Fire protection
- Emergency notification & response
- Housekeeping / debris removal
- Dust control
- Maintenance and protection of traffic
- Trenching and excavating
- Heavy equipment operations
- Material / equipment storage
- Environmental contamination
- Sheeting and shoring
- Alcohol and Drug Abuse Policy

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

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



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

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

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

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

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

#### **VIII. EVALUATION DURING WORK IN PROGRESS**

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

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



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

**IX. SAFETY PERFORMANCE EVALUATION**

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



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**CITY OF NEW YORK**  
**STANDARD CONSTRUCTION CONTRACT**

**DECEMBER 2013**



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**CITY OF NEW YORK  
STANDARD CONSTRUCTION CONTRACT**

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**WITNESSETH:**

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

**CHAPTER I  
THE CONTRACT AND DEFINITIONS**

**ARTICLE 1. THE CONTRACT**

1.1 Except for titles, subtitles, headings, running headlines, tables of contents and indices (all of which are printed herein merely for convenience), the following, except for such portions thereof as may be specifically excluded, shall be deemed to be part of this Contract:

1.1.1 All provisions required by law to be inserted in this Contract, whether actually inserted or not;

1.1.2 The Contract Drawings and Specifications;

1.1.3 The General Conditions and Special Conditions, if any;

1.1.4 The Contract;

1.1.5 The Information for Bidders; Request for Proposals; Notice of Solicitation and Proposal For Bids; Bid or Proposal, and, if used, the Bid Booklet;

1.1.6 All Addenda issued prior to the receipt of the bids; the Notice of Award; Performance and Payment Bonds, if required; and the Notice to Proceed or the Order to Work.

1.2 Should any conflict occur in or between the Drawings and Specifications, the Contractor shall be deemed to have estimated the most expensive way of doing the Work, unless the Contractor shall have asked for and obtained a decision in writing from the Commissioner of the Agency that is entering into this Contract, before the submission of its bid, as to what shall govern.

**ARTICLE 2. DEFINITIONS**

2.1 The following words and expressions, or pronouns used in their stead, shall, wherever they appear in this Contract, be construed as follows, unless a different meaning is clear from the context:

2.1.1 **"Addendum" or "Addenda"** shall mean the additional Contract provisions and/or technical clarifications issued in writing by the Commissioner prior to the receipt of bids.

2.1.2 **"Agency"** shall mean a city, county, borough or other office, position, department, division, bureau, board or commission, or a corporation, institution or agency of government, the expenses of which are paid in whole or in part from the City treasury.

2.1.3 **"Agency Chief Contracting Officer" (ACCO)** shall mean a person delegated authority by the Commissioner to organize and supervise the procurement activity of subordinate Agency staff in conjunction with the CCPO, or his/her duly authorized representative.



2.1.4 **"Allowance"** shall mean a sum of money which the Agency may include in the total amount of the Contract for such specific contingencies as the Agency believes may be necessary to complete the Work, *e.g.*, lead or asbestos remediation, and for which the Contractor will be paid on the basis of stipulated unit prices or a formula set forth in the Contract or negotiated between the parties provided, however, that if the Contractor is not directed to use the Allowance, the Contractor shall have no right to such money and it shall be deducted from the total amount of the Contract.

2.1.5 **"City"** shall mean the City of New York.

2.1.6 **"City Chief Procurement Officer" (CCPO)** shall mean a person delegated authority by the Mayor to coordinate and oversee the procurement activity of Mayoral agency staff, including the ACCO and any offices which have oversight responsibility for the procurement of construction, or his/her duly authorized representative.

2.1.7 **"Commissioner"** shall mean the head of the Agency that has entered into this Contract, or his/her duly authorized representative.

2.1.8 **"Comptroller"** shall mean the Comptroller of the City of New York.

2.1.9 **"Contract"** or **"Contract Documents"** shall mean each of the various parts of the contract referred to in Article 1 hereof, both as a whole and severally.

2.1.10 **"Contract Drawings"** shall mean only those drawings specifically entitled as such and listed in the Specifications or in any Addendum, or any drawings furnished by the Commissioner, pertaining or supplemental thereto.

2.1.11 **"Contract Work"** shall mean everything required to be furnished and done by the Contractor by any one or more of the parts of the Contract referred to in Article 1, except Extra Work as hereinafter defined.

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](http://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.

11.7.3 Non-Recoverable Costs. The parties agree that the **City** will have no liability for the following items and the **Contractor** agrees it shall make no claim for the following items:

11.7.3.1 Profit, or loss of anticipated or unanticipated profit;

11.7.3.2 Consequential damages, including but not limited to interest on monies in dispute, including interest which is paid on such monies, loss of bonding capacity, bidding opportunities, or interest 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



the **City** for any damages relating to or arising out of any directions issued by the **Engineer** pursuant to this Article 12 (including but not limited to the failure of any **Other Contractor** to comply or promptly comply with such directions), or the failure of the **Engineer** to issue any directions, or the failure of any **Other Contractor** to coordinate its work, or the default in performance of any **Other Contractor**.

12.4 The **Contractor** shall indemnify and hold the **City** harmless from any and all claims or judgments for damages and from costs and expenses to which the **City** may be subjected or which it may suffer or incur by reason of the **Contractor's** failure to comply with the **Engineer's** directions promptly; and the **Comptroller** shall have the right to exercise the powers reserved in Article 23 with respect to any claims which may be made for damages due to the **Contractor's** failure to comply with the **Engineer's** directions promptly. Insofar as the facts and **Law** relating to any claim would preclude the **City** from being completely indemnified by the **Contractor**, the **City** shall be partially indemnified by the **Contractor** to the fullest extent provided by **Law**.

12.5 Should the **Contractor** sustain any damage through any act or omission of any **Other Contractor** having a contract with the **City** for the performance of work upon the **Site** or of work which may be necessary to be performed for the proper prosecution of the **Work** to be performed hereunder, or through any act or omission of a subcontractor of such **Other Contractor**, the **Contractor** shall have no claim against the **City** for such damage, but shall have a right to recover such damage from the **Other Contractor** under the provision similar to the following provisions which apply to this **Contract** and have been or will be inserted in the contracts with such **Other Contractors**:

12.5.1 Should any **Other Contractor** having or who shall hereafter have a contract with the **City** for the performance of work upon the **Site** sustain any damage through any act or omission of the **Contractor** hereunder or through any act or omission of any **Subcontractor** of the **Contractor**, the **Contractor** agrees to reimburse such **Other Contractor** for all such damages and to defend at its own expense any action based upon such claim and if any judgment or claim (even if the allegations of the action are without merit) against the **City** shall be allowed the **Contractor** shall pay or satisfy such judgment or claim and pay all costs and expenses in connection therewith and agrees to indemnify and hold the **City** harmless from all such claims. Insofar as the facts and **Law** relating to any claim would preclude the **City** from being completely indemnified by the **Contractor**, the **City** shall be partially indemnified by the **Contractor** to the fullest extent provided by **Law**.

12.6 The **City's** right to indemnification hereunder shall in no way be diminished, waived or discharged by its recourse to assessment of liquidated damages as provided in Article 15, or by the exercise of any other remedy provided for by **Contract** or by **Law**.

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

13.1 If performance by the **Contractor** is delayed for a reason set forth in Article 13.3, the **Contractor** may be allowed a reasonable extension of time in conformance with this Article 13 and the **PPB Rules**.

13.2 Any extension of time may be granted only by the **ACCO** or by the Board for the Extension of Time (hereafter "**Board**") (as set forth below) upon written application by the **Contractor**.

13.3 Grounds for Extension: If such application is made, the **Contractor** shall be entitled to an extension of time for delay in completion of the **Work** caused solely:

13.3.1 By the acts or omissions of the **City**, its officials, agents or employees; or



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 re-inspection 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](http://www.nyc.gov/pip).<sup>1</sup> 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.

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<sup>1</sup> In order to use the new system, a PIP account will be required. Detailed instructions on creating a PIP account and using the new system are also available at [www.nyc.gov/pip](http://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](mailto: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 require a payment bond for one hundred (100%) percent of the **Contract** price, the **City** shall, in accordance with the terms of this Article 20, guarantee payment of all lawful claims for:

20.2.1 Wages and compensation for labor performed and/or services rendered; and

20.2.2 Materials, equipment, and supplies provided, whether incorporated into the **Work** or not, when demands have been filed with the **City** as provided hereinafter by any person, firm, or corporation which furnished labor, material, equipment, supplies, or any combination thereof, in connection with the **Work** performed hereunder (hereinafter referred to as the "beneficiary") at the direction of the **City** or the **Contractor**.

20.3 The provisions of Article 20.2 are subject to the following limitations and conditions:



20.3.1 If the **Contractor** provides a payment bond for a value that is less than one hundred (100%) percent of the value of the **Contract Work**, the payment bond provided by the **Contractor** shall be primary (and non-contributing) to the payment guarantee provided under this Article 20.

20.3.2 The guarantee is made for the benefit of all beneficiaries as defined in Article 20.2 provided that those beneficiaries strictly adhere to the terms and conditions of Article 20.3.4 and 20.3.5.

20.3.3 Nothing in this Article 20 shall prevent a beneficiary providing labor, services or material for the **Work** from suing the **Contractor** for any amounts due and owing the beneficiary by the **Contractor**.

20.3.4 Every person who has furnished labor or material, to the **Contractor** or to a **Subcontractor** of the **Contractor**, in the prosecution of the **Work** and who has not been paid in full therefor before the expiration of a period of ninety (90) **Days** after the date on which the last of the labor was performed or material was furnished by him/her for which the claim is made, shall have the right to sue on this payment guarantee in his/her own name for the amount, or the balance thereof, unpaid at the time of commencement of the action; provided, however, that a person having a direct contractual relationship with a **Subcontractor** of the **Contractor** but no contractual relationship express or implied with the **Contractor** shall not have a right of action upon the guarantee unless he/she shall have given written notice to the **Contractor** within one hundred twenty (120) **Days** from the date on which the last of the labor was performed or the last of the material was furnished, for which his/her claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the material was furnished or for whom the labor was performed. The notice shall be served by delivering the same personally to the **Contractor** or by mailing the same by registered mail, postage prepaid, in an envelope addressed to the **Contractor** at any place where it maintains an office or conducts its business; provided, however, that where such notice is actually received by the **Contractor** by other means, such notice shall be deemed sufficient.

20.3.5 Except as provided in Labor Law Section 220-g, no action on this payment guarantee shall be commenced after the expiration of the one-year limitations period set forth in Section 137(4)(b) of the State Finance Law.

20.3.6 The **Contractor** shall promptly forward to the **City** any notice or demand received pursuant to Article 20.3.4. The **Contractor** shall inform the **City** of any defenses to the notice or demand and shall forward to the **City** any documents the **City** requests concerning the notice or demand.

20.3.7 All demands made against the **City** by a beneficiary of this payment guarantee shall be presented to the **Engineer** along with all written documentation concerning the demand which the **Engineer** deems reasonably appropriate or necessary, which may include, but shall not be limited to: the subcontract; any invoices presented to the **Contractor** for payment; the notarized statement of the beneficiary that the demand is due and payable, that a request for payment has been made of the **Contractor** and that the demand has not been paid by the **Contractor** within the time allowed for such payment by the subcontract; and copies of any correspondence between the beneficiary and the **Contractor** concerning such demand. The **City** shall notify the **Contractor** that a demand has been made. The **Contractor** shall inform the **City** of any defenses to the demand and shall forward to the **City** any documents the **City** requests concerning the demand.



20.3.8 The **City** shall make payment only if, after considering all defenses presented by the **Contractor**, it determines that the payment is due and owing to the beneficiary making the demand.

20.3.9 No beneficiary shall be entitled to interest from the **City**, or to any other costs, including, but not limited to, attorneys' fees, except to the extent required by State Finance Law Section 137.

20.4 Upon the receipt by the **City** of a demand pursuant to this Article 20, the **City** may withhold from any payment otherwise due and owing to the **Contractor** under this **Contract** an amount sufficient to satisfy the demand.

20.4.1 In the event the **City** determines that the demand is valid, the **City** shall notify the **Contractor** of such determination and the amount thereof and direct the **Contractor** to immediately pay such amount to the beneficiary. In the event the **Contractor**, within seven (7) **Days** of receipt of such notification from the **City**, fails to pay the beneficiary, such failure shall constitute an automatic and irrevocable assignment of payment by the **Contractor** to the beneficiary for the amount of the demand determined by the **City** to be valid. The **Contractor**, without further notification or other process, hereby gives its unconditional consent to such assignment of payment to the beneficiary and authorizes the **City**, on its behalf, to take all necessary actions to implement such assignment of payment, including without limitation the execution of any instrument or documentation necessary to effectuate such assignment.

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

20.4.3 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





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
6/26/2015

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

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the 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).

<b>PRODUCER</b> Vanguard Coverage Corporation 131 SUNNYSIDE BLVD SUITE 112 PLAINVIEW NY 11803		<b>CONTACT NAME:</b> KELLY GORHAM <b>PHONE (A/C No. Ext):</b> (516) 349-1333 <b>FAX (A/C No.):</b> (516) 349-8667 <b>E-MAIL ADDRESS:</b> KGORHAM@VANGUARDCOVERAGE.COM													
<b>INSURED</b> ADC Construction, LLC 58-08 48th Street Maspeth NY 11378		<b>INSURER(S) AFFORDING COVERAGE</b> <table border="1"><tr><td>INSURER A: Starr Indemnity &amp; Liability Co</td><td>38318</td></tr><tr><td>INSURER B: Navigators Insurance Co</td><td>42307</td></tr><tr><td>INSURER C: National Union Fire Ins Co of</td><td>19445</td></tr><tr><td>INSURER D: Allied World National Assurance</td><td>10690</td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></table>		INSURER A: Starr Indemnity & Liability Co	38318	INSURER B: Navigators Insurance Co	42307	INSURER C: National Union Fire Ins Co of	19445	INSURER D: Allied World National Assurance	10690	INSURER E:		INSURER F:	
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INSURER D: Allied World National Assurance	10690														
INSURER E:															
INSURER F:															

**COVERAGES****CERTIFICATE NUMBER:** 14-15 REG**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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY			1000025230141	10/18/2014	10/18/2015	EACH OCCURRENCE \$ 2,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 10,000
	<input checked="" type="checkbox"/> Contractual Liability						PERSONAL & ADV INJURY \$ 1,000,000
	<input checked="" type="checkbox"/> Incl. X,C,U						GENERAL AGGREGATE \$ 4,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG \$ 4,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						\$
A	AUTOMOBILE LIABILITY			SISIPCA08278814	10/18/2014	10/18/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS		<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS		<input type="checkbox"/> NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident) \$
A	UMBRELLA LIAB		<input checked="" type="checkbox"/> OCCUR	1000021309	10/18/2014	10/18/2015	EACH OCCURRENCE \$ 5,000,000
B	<input checked="" type="checkbox"/> EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE	NY14EXC408340IV	10/18/2014	10/18/2015	AGGREGATE \$ 5,000,000
	DED		RETENTION \$				Each Occurrence/Aggregate \$ 10,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			1000001321	10/18/2014	10/18/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		<input type="checkbox"/> Y/N				E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Excess Liability			BE15761273	10/18/2014	10/18/2015	Each Occurrence/Aggregate \$10,000,000
D	Excess Liability			0309 2516	10/18/2014	10/18/2015	Each Occurrence/Aggregate \$25,000,000

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

RE:FMS ID: BEDA-001, E-PIN: 85015B0107001, DOC PIN: 8502015WM0008C, Construction of Accelerated Water Main Replacement and Sewer Rehabilitation and Replacement - Borough of Brooklyn.

The following are included as additional insureds where required by written contract: City of New York, including its officials and employees, All person(s) or organization(s), if any, that Article 22.1.1 (b) of the Contract requires to be named as Additional Insured(s), National Grid, Consolidated Edison Company Of New York, Verizon, Time Warner Cable Of New York City, RCN Telecom Services Of New York.

**CERTIFICATE HOLDER****CANCELLATION**CITY OF NEW YORK  
DEPARTMENT OF DESIGN AND CONSTRUCTION  
30-30 THOMSON AVENUE  
LONG ISLAND CITY, NY 11101

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Joseph Sforzo/JACKIE



**Schedule A**  
**(GENERAL CONDITIONS TO CONSTRUCTION CONTRACT)**  
**(GENERAL CONDITIONS RELATING TO ARTICLE 22 -**  
**INSURANCE**

**Part III. BROKER'S CERTIFICATION**

[Note to Contracting Agency: Pursuant to Article 22.3.3 of the Contract, every Certificate of the Insurance must be accompanied by either the following certification by broker setting forth the following text and required information and signatures or certified copies of all policies referenced in the Certificate of Insurance.]

**CERTIFICATION NY BROKER**

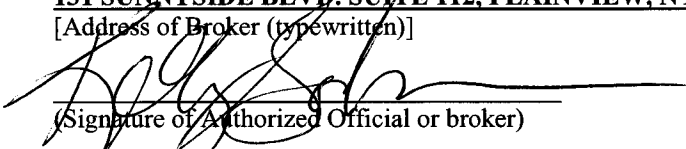
The undersigned insurance broker represents to the City of New York that the attached Certificate of Insurance is accurate in all material respects, and that the described insurance is effective as of the date of this Certification.

**VANGUARD COVERAGE CORP.**

[Name of Broker (typewritten)]

**131 SUNNYSIDE BLVD. SUITE 112, PLAINVIEW, NY 11803**

[Address of Broker (typewritten)]

  
[Signature of Authorized Official or broker]

**KGORHAM@VANGUARDCOVERAGE.COM**

[Name and title of authorized official (typewritten)]

516-349-1333

Phone number/Fax number of broker [typewritten]

**V.P INSURANCE OPERATIONS**

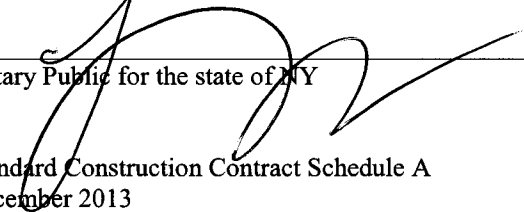
[Name and title of authorized official (typewritten)]

State of .....NY.....)

)SS:

County of .....Nassau .....

Sworn to before me this 26th day of June 2015

  
Notary Public for the state of NY

Standard Construction Contract Schedule A  
December 2013

LYNN ANN INFANTI  
Notary Public, State of New York  
No. 01IN6004351  
Qualified in Suffolk County  
Commission Expires March 23, 2018



STATE OF NEW YORK  
WORKERS' COMPENSATION BOARD

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

<b>1a. Legal Name and address of Insured (Use street address only)</b>  ADC Construction, LLC 58-08 48 <sup>th</sup> Street Maspeth, NY 11378  <b>Work Location of Insured (Only required if coverage is specifically limited to certain locations in New York State, i.e. a Wrap-Up Policy)</b> <b>ALL LOCATIONS</b>	<b>1b. Business Telephone Number of Insured</b> <b>(718) 628-5555</b>  <b>1c. NYS Unemployment Insurance Employer Registration Number of Insured</b>  <b>1d. Federal Employer Identification Number of Insured or Social Security Number</b>  <b>11-3353007</b>
<b>2. Name and Address of the Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder)</b>  CITY OF NEW YORK DEPARTMENT OF DESIGN AND CONSTRUCTION 30-30 THOMSON AVENUE LONG ISLAND CITY, NY 11101	<b>3a. Name of Insurance Carrier</b> Starr Indemnity & Liability Co.  <b>3b. Policy Number of entity listed in box "1a":</b> <b>1000001321</b>  <b>3c. Policy effective period:</b> <b>10/18/2014-10/18/2015</b>  <b>3d. The Proprietor, Partners or Executive Officers are:</b> <input checked="" type="checkbox"/> <b>included.</b> (Only check box if all partners/officers included) <input type="checkbox"/> <b>all excluded or certain partners/officers excluded.</b>  <b>3e. Demolition is: (Definition of Demolition on Reverse)</b> <input type="checkbox"/> <b>included.</b> <input checked="" type="checkbox"/> <b>excluded.</b>

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


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

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

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

Approved by: KELLY GORHAM

(Print name of authorized representative or licensed agent of insurance carrier)

Approved by: 

(Signature)

6/26/18  
(Date)

Title: CLIENT SERVICES MANAGER

Telephone Number of authorized representative or licensed agent of insurance carrier: 516-349-1333

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

C-105.2 (12-03)



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.

22.1.1 Commercial 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](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.

26.1.1 For any unit price item, the **Contractor** will be paid at the unit price bid for any quantity up to one hundred twenty-five (125%) percent of the estimated quantity for that item set forth in the bid schedule. If during the progress of the **Work**, the actual quantity of any unit price item required to complete the **Work** approaches the estimated quantity for that item, and for any reason it appears that the actual quantity of any unit price item necessary to complete the **Work** will exceed the estimated quantity for that item by twenty-five (25%) percent, the **Contractor** shall immediately notify the **Engineer** of such anticipated overrun. The **Contractor** shall not be compensated for any quantity of a unit price item provided which is in excess of one hundred twenty-five (125%) percent of the estimated quantity for that item set forth in the bid schedule without written authorization from the **Engineer**.

26.1.2 If the actual quantity of any unit price item necessary to complete the **Work** will exceed one hundred twenty five (125%) percent of the estimated quantity for that item set forth in the bid schedule, the **City** reserves the right and the **Contractor** agrees to negotiate a new unit price for such item. In no event shall such negotiated new unit price exceed the unit bid price. If the **City** and **Contractor** cannot agree on a new unit price, then the **City** shall order the **Contractor** and the **Contractor** agrees to provide additional quantities of the



item on 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

26.2.4 Reasonable rental value of **Contractor**-owned (or **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 operating hour:  $(.035) \times (\text{HP rating}) \times (\text{Fuel cost/gallon})$ . 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:  $(.035) \times (\text{HP rating}) \times (\text{Fuel cost/gallon})$ . 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

26.2.10 Additional costs incurred as a result of the **Extra Work** for performance and payment bonds; plus

26.2.11 Twelve percent (12%) percent of the total of items in Articles 26.2.1 through 26.2.5 as compensation for overhead, except that no percentage for overhead will be allowed on **Payroll Taxes** or on the premium portion of overtime pay or on sales and personal property taxes. Overhead shall include without limitation, all costs and expenses in connection with administration, management superintendence, small tools, and insurance required by Schedule A of the General Conditions other than Workers' Compensation Insurance; plus

26.2.12 Ten (10%) percent of the total of items in Articles 26.2.1 through 26.2.5, plus the items in Article 26.2.11, as compensation for profit, except that no percentage for profit will be allowed on **Payroll Taxes** or on the premium portion of overtime pay or on sales and personal property taxes; plus

26.2.13 Five (5%) percent of the total of items in Articles 26.2.6 through 26.2.10 as compensation for overhead and profit.

26.3 Where the **Extra Work** is performed in whole or in part by other than the **Contractor's** own forces pursuant to Article 26.2, the **Contractor** shall be paid, subject to pre-audit by the **Engineering Audit Officer**, the cost of such **Work** computed in accordance with Article 26.2 above, plus an additional allowance of five (5%) percent to cover the **Contractor's** overhead and profit.

26.4 Where a change is ordered, involving both **Extra Work** and omitted or reduced **Contract Work**, the **Contract** price shall be adjusted, subject to pre-audit by the **EAO**, in an amount based on the difference between the cost of such **Extra Work** and of the omitted or reduced **Work**.

26.5 Where the **Contractor** and the **Commissioner** can agree upon a fixed price for **Extra Work** in accordance with Article 25.3.2 or another method of payment for **Extra Work** in accordance with Article



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

27.6.3 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



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



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



registered with the New York State Department of Labor. The allowable ratio of apprentices to journey-level workers in any craft classification shall not be greater than the ratio permitted to the **Contractor** as to its work force on any job under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered as above, shall be paid the wage rate determined by the **Comptroller** of the **City** for the classification of **Work** actually performed. The **Contractor** or **Subcontractor** will be required to furnish written evidence of the registration of its program and apprentices as well as all the appropriate ratios and wage rates, for the area of the construction prior to using any apprentices on the **Contract Work**.

35.2 If the total cost of the **Work** under this **Contract** is at least two hundred fifty thousand (\$250,000) dollars, all laborers, workers, and mechanics employed in the performance of the **Contract** on the public work site, either by the **Contractor**, **Subcontractor** or other person doing or contracting to do the whole or a part of the **Work** contemplated by the **Contract**, shall be certified prior to performing any **Work** as having successfully completed a course in construction safety and health approved by the United States Department of Labor's Occupational Safety and Health Administration that is at least ten (10) hours in duration.

35.3 In accordance with Local Law Nos. 30-2012 and 33-2012, codified at sections 6-132 and 12-113 of the Administrative Code, respectively,

35.3.1 The **Contractor** shall not take an adverse personnel action with respect to an officer or employee in retaliation for such officer or employee making a report of information concerning conduct which such officer or employee knows or reasonably believes to involve corruption, criminal activity, conflict of interest, gross mismanagement or abuse of authority by any officer or employee relating to this **Contract** to (a) the Commissioner of the Department of Investigation, (b) a member of the New York City Council, the Public Advocate, or the **Comptroller**, or (c) the **CCPO**, **ACCO**, **Agency** head, or **Commissioner**.

35.3.2 If any of the **Contractor's** officers or employees believes that he or she has been the subject of an adverse personnel action in violation of Article 35.3.1, he or she shall be entitled to bring a cause of action against the **Contractor** to recover all relief necessary to make him or her whole. Such relief may include but is not limited to: (a) an injunction to restrain continued retaliation, (b) reinstatement to the position such employee would have had but for the retaliation or to an equivalent position, (c) reinstatement of full fringe benefits and seniority rights, (d) payment of two times back pay, plus interest, and (e) compensation for any special damages sustained as a result of the retaliation, including litigation costs and reasonable attorney's fees.

35.3.3 The **Contractor** shall post a notice provided by the **City** in a prominent and accessible place on any site where work pursuant to the **Contract** is performed that contains information about:

35.3.3(a) how its employees can report to the New York City Department of Investigation allegations of fraud, false claims, criminality or corruption arising out of or in connection with the **Contract**; and

35.3.3(b) the rights and remedies afforded to its employees under Administrative Code sections 7-805 (the New York City False Claims Act) and 12-113 (the Whistleblower Protection Expansion Act) for lawful acts taken in connection with the reporting of allegations of fraud, false claims, criminality or corruption in connection with the **Contract**.



35.3.4 For the purposes of this Article 35.3, "adverse personnel action" includes dismissal, demotion, suspension, disciplinary action, negative performance evaluation, any action resulting in loss of staff, office space, equipment or other benefit, failure to appoint, failure to promote, or any transfer or assignment or failure to transfer or assign against the wishes of the affected officer or employee.

35.3.5 This Article 35.3 is applicable to all of the **Contractor's Subcontractors** having subcontracts with a value in excess of \$100,000; accordingly, the **Contractor** shall include this rider in all subcontracts with a value a value in excess of \$100,000.

35.4 Article 35.3 is not applicable to this **Contract** if it is valued at \$100,000 or less. Articles 35.3.1, 35.3.2, 35.3.4, and 35.3.5 are not applicable to this **Contract** if it was solicited pursuant to a finding of an emergency.

#### **ARTICLE 36. NO DISCRIMINATION**

36.1 The **Contractor** specifically agrees, as required by Labor Law Section 220-e, as amended, that:

36.1.1 In the hiring of employees for the performance of **Work** under this **Contract** or any subcontract hereunder, neither the **Contractor**, **Subcontractor**, nor any person acting on behalf of such **Contractor** or **Subcontractor**, shall by reason of race, creed, color or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the **Work** to which the employment relates;

36.1.2 Neither the **Contractor**, **Subcontractor**, nor any person on its behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of **Work** under this **Contract** on account of race, creed, color or national origin;

36.1.3 There may be deducted from the amount payable to the **Contractor** by the **City** under this **Contract** a penalty of fifty (\$50.00) dollars for each person for each **Day** during which such person was discriminated against or intimidated in violation of the provisions of this **Contract**; and

36.1.4 This **Contract** may be cancelled or terminated by the **City** and all moneys due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this Article 36.

36.1.5 This Article 36 covers all construction, alteration and repair of any public building or public work occurring in the State of New York and the manufacture, sale, and distribution of materials, equipment, and supplies to the extent that such operations are performed within the State of New York pursuant to this **Contract**.

36.2 The **Contractor** specifically agrees, as required by Section 6-108 of the Administrative Code, as amended, that:

36.2.1 It shall be unlawful for any person engaged in the construction, alteration or repair of buildings or engaged in the construction or repair of streets or highways pursuant to a **Contract** with the **City** or engaged in the manufacture, sale or distribution of materials, equipment or supplies pursuant to a **Contract** with the **City** to refuse to employ or to refuse to continue in any employment any person on account of the race, color or creed of such person.



36.2.2 It shall be unlawful for any person or any servant, agent or employee of any person, described in Article 36.1.2, to ask, indicate or transmit, orally or in writing, directly or indirectly, the race, color or creed or religious affiliation of any person employed or seeking employment from such person, firm or corporation.

36.2.3 Breach of the foregoing provisions shall be deemed a violation of a material provision of this **Contract**.

36.2.4 Any person, or the employee, manager or owner of or officer of such firm or corporation who shall violate any of the provisions of this Article 36.2 shall, upon conviction thereof, be punished by a fine of not more than one hundred (\$100.00) dollars or by imprisonment for not more than thirty (30) **Days**, or both.

36.3 This **Contract** is subject to the requirements of Executive Order No. 50 (1980) ("E.O. 50"), as revised, and the rules and regulations promulgated thereunder. No contract will be awarded unless and until these requirements have been complied with in their entirety. By signing this **Contract**, the **Contractor** agrees that it:

36.3.1 Will not engage in any unlawful discrimination against any employee or applicant for employment because of race, creed, color, national origin, sex, age, disability, marital status or sexual orientation with respect to all employment decisions including, but not limited to, recruitment, hiring, upgrading, demotion, downgrading, transfer, training, rates of pay or other forms of compensation, layoff, termination, and all other terms and conditions of employment; and

36.3.2 Will not engage in any unlawful discrimination in the selection of **Subcontractors** on the basis of the owner's race, color, creed, national origin, sex, age, disability, marital status or sexual orientation; and

36.3.3 Will state in all solicitations or advertisements for employees placed by or on behalf of the **Contractor** that all qualified applicants will receive consideration for employment without unlawful discrimination based on race, creed, color, national origin, sex, age, citizens status, disability, marital status, sexual orientation, or that it is an equal employment opportunity employer; and

36.3.4 Will send to each labor organization or representative of workers with which it has a collective bargaining agreement or other contract or memorandum of understanding, written notification of its equal employment opportunity commitments under E.O. 50 and the rules and regulations promulgated thereunder; and

36.3.5 Will furnish, before the award of the **Contract**, all information and reports, including an employment report, that are required by E.O. 50, the rules and regulations promulgated thereunder, and orders of the City Department of Business Services, Division of Labor Services (**DLS**) and will permit access to its books, records, and accounts by the **DLS** for the purposes of investigation to ascertain compliance with such rules, regulations, and orders.

36.4 The **Contractor** understands that in the event of its noncompliance with the nondiscrimination clauses of this **Contract** or with any of such rules, regulations, or orders, such noncompliance shall constitute a material breach of this **Contract** and noncompliance with E.O. 50 and the rules and regulations promulgated thereunder. After a hearing held pursuant to the rules of the **DLS**, the Director of the **DLS** may direct the **Commissioner** to impose any or all of the following sanctions:



36.4.1 Disapproval of the **Contractor**; and/or

36.4.2 Suspension or termination of the **Contract**; and/or

36.4.3 Declaring the **Contractor** in default; and/or

36.4.4 In lieu of any of the foregoing sanctions, the Director of the **DLS** may impose an employment program.

In addition to any actions taken under this **Contract**, failure to comply with E.O. 50 and the rules and regulations promulgated thereunder, in one or more instances, may result in a **City Agency** declaring the **Contractor** to be non-responsible in future procurements. The **Contractor** further agrees that it will refrain from entering into any **Contract** or **Contract** modification subject to E.O. 50 and the rules and regulations promulgated thereunder with a **Subcontractor** who is not in compliance with the requirements of E.O. 50 and the rules and regulations promulgated thereunder.

36.5 The **Contractor** specifically agrees, as required by Section 6-123 of the Administrative Code, that:

36.5.1 The **Contractor** will not engage in any unlawful discriminatory practice in violation of Title 8 of the Administrative Code; and

36.5.2 Any failure to comply with this Article 36.5 may subject the **Contractor** to the remedies set forth in Section 6-123 of the Administrative Code, including, where appropriate, sanctions such as withholding of payment, imposition of an employment program, finding the **Contractor** to be in default, cancellation of the **Contract**, or any other sanction or remedy provided by **Law** or **Contract**.

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

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

37.2 The **Contractor** specifically agrees, as required by Labor Law Sections 220 and 220-d, as amended, that:

37.2.1 Hours of **Work**: No laborer, worker, or mechanic in the employ of the **Contractor**, **Subcontractor** or other person doing or contracting to do the whole or a part of the **Work** contemplated by this **Contract** shall be permitted or required to work more than eight (8) hours in any one (1) **Day**, or more than five (5) **Days** in any one (1) week, except as provided in the Labor Law and in cases of extraordinary emergency including fire, flood, or danger to life or property, or in the case of national emergency when so proclaimed by the President of the United States of America.

37.2.2 In situations in which there are not sufficient laborers, workers, and mechanics who may be employed to carry on expeditiously the **Work** contemplated by this **Contract** as a result of such restrictions upon the number of hours and **Days** of labor, and the immediate commencement or prosecution or completion without undue delay of the **Work** is necessary for the preservation of the **Site** and/or for the protection of the life and limb of the persons using the same, such laborers, workers, and mechanics shall be permitted or required to



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



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



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 pre-paid 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



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



(\$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 assess, 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 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](http://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: \_\_\_\_\_ Dollars, (\$ \_\_\_\_\_), this said sum being the amount at which the **Contract** was awarded to the **Contractor** at a public letting thereof, based upon the **Contractor's** bid for the **Contract**.

## **ARTICLE 76. ELECTRONIC FUNDS TRANSFER**

76.1 In accordance with Section 6-107.1 of the **Administrative Code**, the **Contractor** agrees to accept payments under this **Contract** from the **City** by electronic funds transfer (EFT). An EFT is any transfer of funds, other than a transaction originated by check, draft or similar paper instrument, which is initiated through an electronic terminal, telephonic instrument or computer or magnetic tape so as to order, instruct or authorize a financial institution to debit or credit an account. Prior to the first payment made under this **Contract**, the **Contractor** shall designate one financial institution or other authorized payment agent and shall complete the attached "EFT Vendor Payment Enrollment Form" in order to provide the Commissioner of the **City Department of Finance** with information necessary for the **Contractor** to receive electronic funds transfer payments through a designated financial institution or authorized payment agent. The crediting of the amount of a payment to the appropriate account on the books of a financial institution or other authorized payment agent designated by the **Contractor** shall constitute full satisfaction by the **City** for the amount of the payment under this **Contract**. The account information supplied by the **Contractor** to facilitate the electronic funds transfer shall remain confidential to the fullest extent provided by **Law**.

76.2 The **Commissioner** may waive the application of the requirements of this Article 76 to payments on contracts entered into pursuant to Section 315 of the **City Charter**. In addition, the Commissioner of the Department of Finance and the Comptroller may jointly issue standards pursuant to



which the **Agency** may waive the requirements of this Article 76 for payment in the following circumstances: (i) for individuals or classes of individuals for whom compliance imposes a hardship; (ii) for classifications or types of checks; or (iii) in other circumstances as may be necessary in the interest of the **City**.

#### **ARTICLE 77. RECORDS RETENTION**

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

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

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

#### **ARTICLE I. M/WBE PROGRAM**

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

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

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

#### **PART A**

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

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



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

2. If **Participation Goals** have been established for this Contract or Task Orders issued pursuant to this Contract, Contractor agrees or shall agree as a material term of the Contract that Contractor shall be subject to the **Participation Goals**, unless the goals are waived or modified by Agency in accordance with Section 6-129 and Part A, Sections 10 and 11 below, respectively.

3. If **Participation Goals** have been established for this Contract or Task Order issued pursuant to this Contract, a Contractor that is an MBE and/or WBE shall be permitted to count its own participation toward fulfillment of the relevant **Participation Goal**, provided that in accordance with Section 6-129 the value of Contractor's participation shall be determined by subtracting from the total value of the Contract or Task Order, as applicable, any amounts that the Contractor pays to direct subcontractors (as defined in Section 6-129(c)(13)), and provided further that a Contractor that is certified as both an MBE and a WBE may count its own participation either toward the goal for MBEs or the goal for WBEs, but not both.

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

4. A. If **Participation Goals** have been established for this Contract, a prospective contractor shall be required to submit with its bid or proposal, as applicable, a completed Schedule B, M/WBE Utilization Plan, Part II (see Pages 2-4) indicating: (a) whether the contractor is an MBE or WBE, or qualified joint venture; (b) the percentage of work it intends to award to direct subcontractors; and (c) in cases where the contractor intends to award direct subcontracts, a description of the type and dollar value of work designated for participation by MBEs and/or WBEs, and the time frames in which such work is scheduled to begin and end. In the event that this M/WBE Utilization Plan indicates that the bidder or proposer, as applicable, does not intend to meet the **Participation Goals**, the bid or proposal, as applicable, shall be deemed non-responsive, unless Agency has granted the bidder or proposer, as applicable, a pre- award waiver of the Participation Goals in accordance with Section 6-129 and Part A, Section 10 below.

B. (i) If this Contract is for a master services agreement or other requirements type contract that will result in the issuance of Task Orders that will be individually registered ("Master Services Agreement") and is subject to M/WBE **Participation Goals**, a prospective contractor shall be required to submit with its bid or proposal, as applicable, a completed Schedule B, M/WBE Participation Requirements for Master Services Agreements That Will Require Individually Registered Task Orders, Part II (page 2) indicating the prospective contractor's certification and required affirmations to make all reasonable good faith efforts to meet participation goals established on each individual Task Order issued pursuant to this Contract, or if a partial waiver is obtained or such goals are modified by the Agency, to meet the modified **Participation Goals** by soliciting and obtaining the participation of certified MBE and/or WBE firms. In the event that the Schedule B indicates that the bidder or proposer, as applicable, does not intend to meet the **Participation Goals** that may be established on Task Orders issued pursuant to this Contract, the bid or proposal, as applicable, shall be deemed nonresponsive.



(ii) **Participation Goals** on a Master Services Agreement will be established for individual Task Orders issued after the Master Services Agreement is awarded. If **Participation Goals** have been established on a Task Order, a contractor shall be required to submit a Schedule B – M/WBE Utilization Plan For Independently Registered Task Orders That Are Issued Pursuant to Master Services Agreements, Part II (see Pages 2-4) indicating: (a) whether the contractor is an MBE or WBE, or qualified joint venture; (b) the percentage of work it intends to award to direct subcontractors; and (c) in cases where the contractor intends to award direct subcontracts, a description of the type and dollar value of work designated for participation by MBEs and/or WBEs, and the time frames in which such work is scheduled to begin and end. The contractor must engage in good faith efforts to meet the **Participation Goals** as established for the Task Order unless Agency has granted the contractor a pre-award waiver of the Participation Goals in accordance with Section 6-129 and Part A, Section 10 below.

**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](http://www.nyc.gov/buycertified), by emailing DSBS at [buyer@sbs.nyc.gov](mailto: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](http://www.nyc.gov/getcertified), emailing [MWBE@sbs.nyc.gov](mailto: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](mailto: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, whether the bidder, proposer or contractor, as applicable, has made efforts to form a joint venture with a certified firm, and whether the bidder, proposer, or contractor, as applicable, has made good faith efforts to identify other portions of the Contract that it intends to subcontract.

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.



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: 

Deputy Commissioner

CONTRACTOR:

ADC Construction LLC

By: 

(Member of Firm or Officer of Corporation)

Title:

PRESIDENT

(Where Contractor is a Corporation, add):  
Attest:

\_\_\_\_\_  
Secretary

(Seal)



ACKNOWLEDGEMENT OF PRINCIPAL, IF A CORPORATION

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came \_\_\_\_\_  
to me known who, being by me duly sworn did depose and say that he resides at \_\_\_\_\_  
\_\_\_\_\_ that he is the \_\_\_\_\_  
of the corporation described in and which executed the foregoing instrument; that he knows the seal of said  
corporation; that one of the seals affixed to said instrument is such seal; that it was so affixed by order of  
the directors of said corporation, and that he signed his name thereto by like order.

\_\_\_\_\_  
Notary Public or Commissioner of Deeds

ACKNOWLEDGEMENT OF PRINCIPAL, IF A PARTNERSHIP

State of New York County of Queens ss:

On this 1<sup>st</sup> day of July, 2015, before me personally appeared Domenick Cipollone  
to me known, and known to me to be one of the members of the firm of ABC Construction  
\_\_\_\_\_ 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.

MELISSA GALLAGHER  
Notary Public, State of New York  
No. 01GA6013314  
Qualified in Queens County  
Commission Expires Sept. 14, 2018

Melissa Gallagher  
Notary Public or Commissioner of Deeds

ACKNOWLEDGEMENT OF PRINCIPAL, IF AN INDIVIDUAL

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally appeared \_\_\_\_\_  
to me known, and known to me to be the person described in and who executed the foregoing instrument;  
and acknowledged that he executed the same.

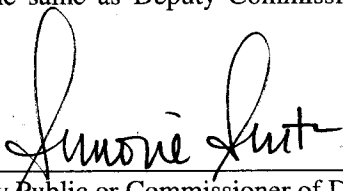
\_\_\_\_\_  
Notary Public or Commissioner of Deeds



ACKNOWLEDGEMENT BY COMMISSIONER

State of New York County of Queens ss:

On this 24 day of July, 2015, before me personally came Eric MacFarlane 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

SIMONE SMITH  
Commissioner of Deeds  
City of New York No. 4-6780  
Certificate Filed in New York County  
Commission Expires 04/01/16



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

Eleven Million Five Hundred Eighty  
Five Thousand dollars.

Dollars (\$ 11,585,000.00)

is chargeable to the fund of the Department of Design and Construction entitled Code

BEDA 001

Department of Design and Construction

I hereby certify that the specifications contained herein comply with the terms and conditions of the BUDGET.

Li. [Signature]  
Deputy 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



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 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 #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 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.



**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 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

By: \_\_\_\_\_  
(Seal) Surety

By: \_\_\_\_\_  
(Seal) Surety

By: \_\_\_\_\_  
(Seal) Surety

By: \_\_\_\_\_  
(Seal) Surety

By: \_\_\_\_\_  
(Seal) Surety

By: \_\_\_\_\_

Bond Premium Rate \_\_\_\_\_

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.



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

PERFORMANCE BOND #1 (Page 4)

**ACKNOWLEDGMENT OF PRINCIPAL IF A CORPORATION**

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_ before me personally came \_\_\_\_\_,  
to me known, who, being by me duly sworn did depose and say that he/she resides at \_\_\_\_\_

\_\_\_\_\_ ; that he/she is the \_\_\_\_\_ of the corporation described in and which executed the foregoing instrument; and that he/she signed his/her name to the foregoing instrument by order of the directors of said corporation as the duly authorized and binding act thereof.

\_\_\_\_\_  
Notary Public or Commissioner of Deeds.

**ACKNOWLEDGMENT OF PRINCIPAL IF A PARTNERSHIP**

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_ before me personally came \_\_\_\_\_,  
to me known, who, being by me duly sworn did depose and say that he/she resides at \_\_\_\_\_

\_\_\_\_\_ ; that he/she is \_\_\_\_\_ partner of \_\_\_\_\_, a limited/general partnership existing under the laws of the State of \_\_\_\_\_, the partnership described in and which executed the foregoing instrument; and that he/she signed his/her name to the foregoing instrument as the duly authorized and binding act of said partnership.

\_\_\_\_\_  
Notary Public or Commissioner of Deeds.

**ACKNOWLEDGMENT OF PRINCIPAL IF AN INDIVIDUAL**

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_ before me personally came \_\_\_\_\_,  
to me known, who, being by me duly sworn did depose and say that he/she resides at \_\_\_\_\_

\_\_\_\_\_ , and that he/she is the individual whose name is subscribed to the within instrument and acknowledged to me that by his/her signature on the instrument, said individual executed the instrument.

\_\_\_\_\_  
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.



**Performance Bond #2 (Pages 96 to 99): 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 82 to 85): Use if the total contract price is more than \$5 Million.**

**PERFORMANCE BOND #2 (Page 1)**

**PERFORMANCE BOND #2**

Bond #106 269 841

**KNOW ALL PERSONS BY THESE PRESENTS,;**

That we, ADC Construction, LLC

58-08 48th St.

Maspeth, NY 11378

hereinafter referred to as the "Principal,"

and, Travelers Casualty & Surety Company of America

One Tower Square

Hartford, CT 06183

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 Eleven Million Five Hundred Eighty Five Thousand and 00/100

(\$ 11,585,000.00) Dollars, lawful money of the United States for the payment of which said sum of money well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS,** the Principal is about to enter, or has entered, into a Contract in writing with the City for

Cont. #FMS ID: BEDA-001 - E-PIN: 85015B0107001 - DDC PIN: 8502015WM0008C

Construction of Accelerated Water Main Replacement and Sewer Rehabilitation and Replacement - Boro of Brooklyn

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 82 to 85): 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 82 to 85): 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

\_\_\_\_ 26th \_\_\_\_ day of \_\_\_\_ June \_\_\_\_ 20 \_\_\_\_ 15 \_\_\_\_  
(Seal) \_\_\_\_\_  
ADC Construction, LLC (L.S.)

Principal

By: Donald Chew  
(Seal) \_\_\_\_\_  
Surety

By: \_\_\_\_\_  
(Seal) Travelers Casualty & Surety Company of America  
Surety  
By: Robert M. Kempner  
(Seal) Robert M. Kempner, Attorney-In-Fact  
Surety

By: \_\_\_\_\_  
(Seal) \_\_\_\_\_  
Surety

By: \_\_\_\_\_  
(Seal) \_\_\_\_\_  
Surety

By: \_\_\_\_\_

Bond Premium Rate \_\_\_\_\_

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.



**Performance Bond #2 (Pages 82 to 85):** 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:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_ before me personally  
came \_\_\_\_\_,  
to me known, who, being by me duly sworn did depose and say that he resides  
at \_\_\_\_\_

\_\_\_\_\_ ; that he/she is the \_\_\_\_\_  
of the corporation described in and which executed the foregoing instrument; that he/she signed his/her name to the  
foregoing instrument by order of the directors of said corporation as the duly authorized and binding act thereof.

\_\_\_\_\_  
Notary Public or Commissioner of Deeds.

**ACKNOWLEDGMENT OF PRINCIPAL IF A PARTNERSHIP**

State of New York County of Queens ss:

On this 1st day of July, 20 15 before me personally  
came Domenick Cipolcone,  
to me known, who, being by me duly sworn did depose and say that he/she resides  
at Purchase NY

\_\_\_\_\_ ; that he/she is President partner of  
ADC construction, a limited/general partnership existing under the laws of the State of  
New York, the partnership described in and which executed the foregoing instrument;  
and that he/she signed his/her name to the foregoing instrument as the duly authorized and binding act of  
said partnership.

Melissa Gallagher  
Notary Public or Commissioner of Deeds

**MELISSA GALLAGHER**  
Notary Public, State of New York  
No. 01GA6013314  
Qualified in Queens County  
Commission Expires Sept. 14, 2018

**ACKNOWLEDGMENT OF PRINCIPAL IF AN INDIVIDUAL**

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_ before me personally  
came \_\_\_\_\_,  
to me known, who, being by me duly sworn did depose and say that he/she resides  
at \_\_\_\_\_

\_\_\_\_\_ , and that he/she is the individual whose name is  
subscribed to the within instrument and acknowledged to me that by his/her signature on the  
instrument, said individual executed the instrument.

\_\_\_\_\_  
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.



SECRETARY  
and  
the  
the  
the



ACKNOWLEDGEMENT OF PRINCIPAL, OF A CORPORATION

STATE OF \_\_\_\_\_

SS:

COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came \_\_\_\_\_ to me known, who, being by me duly sworn did depose and say that he resides at \_\_\_\_\_ that he is the \_\_\_\_\_ 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 the foregoing instrument is such seal; that it was an affixed by order of the board of directors of said corporation; and that he signed his name thereto by like order.

Notary Public

ACKNOWLEDGEMENT OF SURETY

STATE OF New York

SS:

COUNTY OF Nassau

On this 26th day of June, 2015, before me personally came Robert M. Kempner to me known, who, being by me duly sworn, did depose and say that he is an Attorney-In-Fact of Travelers Casualty & Surety Company of America the corporation described in and which executed the within instrument; that he knows the corporate seal of said corporation; that the seal affixed to the within instrument is such corporate seal, and that he signed and said instrument and affixed the said seal as Attorney-In-Fact by authority of the Board of Directors of said corporation and by authority of this office under the Standing Resolutions thereof.

**LYNN ANN INFANTI**  
Notary Public, State of New York  
No. 01IN8004351  
Qualified in Suffolk County  
Commission Expires March 23, 2018

My commission expires \_\_\_\_\_

  
\_\_\_\_\_  
Notary Public



**TRAVELERS****POWER OF ATTORNEY**

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

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

Attorney-In Fact No. 227595

Certificate No. 006111844

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

Joseph Sforzo, Robert W. O'Kane, Robert M. Kempner, Susan P. Hammel, and Matthew J. Kelly

of the City of Plainview, State of New York, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 6th day of October, 2014.

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

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



State of Connecticut  
 City of Hartford ss.

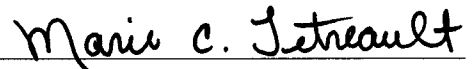
By: 

Robert L. Raney, Senior Vice President

On this 6th day of October, 2014, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed 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 hereunto set my hand and official seal.  
 My Commission expires the 30th day of June, 2016.



  
 Marie C. Tetreault, Notary Public



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

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

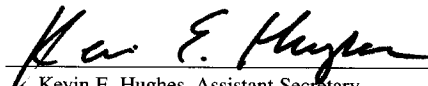
**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 26th day of June, 2015.

  
Kevin E. Hughes, Assistant Secretary



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



## TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

HARTFORD, CONNECTICUT 06183

FINANCIAL STATEMENT AS OF DECEMBER 31, 2014

AS FILED IN THE STATE OF NEW YORK

CAPITAL STOCK \$ 6,480,000

ASSETS		LIABILITIES & SURPLUS	
CASH AND INVESTED CASH	\$ 127,187,283	UNEARNED PREMIUMS	\$ 855,349,712
BONDS	3,411,436,937	LOSSES	680,168,443
STOCKS	328,931,879	LOSS ADJUSTMENT EXPENSES	356,911,923
INVESTMENT INCOME DUE AND ACCRUED	45,277,103	COMMISSIONS	34,142,046
OTHER INVESTED ASSETS	4,019,416	TAXES, LICENSES AND FEES	11,534,866
PREMIUM BALANCES	209,982,904	OTHER EXPENSES	40,097,405
NET DEFERRED TAX ASSET	62,639,844	CURRENT FEDERAL AND FOREIGN INCOME TAXES	24,133,560
REINSURANCE RECOVERABLE	17,397,751	REMITTANCES AND ITEMS NOT ALLOCATED	11,062,682
SECURITIES LENDING REINVESTED COLLATERAL ASSETS	8,224,694	AMOUNTS WITHHELD / RETAINED BY COMPANY FOR OTHERS	41,744,996
RECEIVABLES FROM PARENT, SUBSIDIARIES AND AFFILIATES	9,057,199	RETROACTIVE REINSURANCE RESERVE ASSUMED	853,430
OTHER ASSETS	3,078,655	POLICYHOLDER DIVIDENDS	7,378,699
		PROVISION FOR REINSURANCE	3,418,505
		ADVANCE PREMIUM	1,327,118
		PAYABLE FOR SECURITIES	4,590,766
		PAYABLE FOR SECURITIES LENDING	8,224,694
		CEDED REINSURANCE NET PREMIUMS PAYABLE	28,084,142
		ESCHEAT LIABILITY	1,136,046
		OTHER ACCRUED EXPENSES AND LIABILITIES	421,157
		TOTAL LIABILITIES	\$ 2,110,576,190
		CAPITAL STOCK	\$ 6,480,000
		PAID IN SURPLUS	433,803,760
		OTHER SURPLUS	1,674,373,715
		TOTAL SURPLUS TO POLICYHOLDERS	\$ 2,114,657,475
TOTAL ASSETS	\$ 4,225,233,665	TOTAL LIABILITIES & SURPLUS	\$ 4,225,233,665

STATE OF CONNECTICUT )  
COUNTY OF HARTFORD ) SS.  
CITY OF HARTFORD )

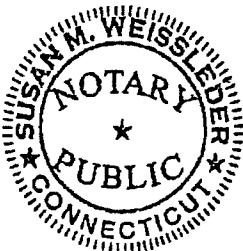
MICHAEL J. DOODY, BEING DULY SWORN, SAYS THAT HE IS SECOND VICE PRESIDENT, OF TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT STATEMENT OF THE FINANCIAL CONDITION OF SAID COMPANY AS OF THE 31ST DAY OF DECEMBER, 2014.

*Michael J. Doody*  
SECOND VICE PRESIDENT

SUBSCRIBED AND SWORN TO BEFORE ME THIS  
19TH DAY OF MARCH, 2015

*Susan M. Weissleder*  
NOTARY PUBLIC

SUSAN M. WEISSLEDER  
Notary Public  
My Commission Expires November 30, 2017





**Payment Bond (Pages 86 to 89):** Use for any contract for which a Payment Bond is required.

PAYMENT BOND (Page 1)

PAYMENT BOND

Bond #106 269 841

KNOW ALL PERSONS BY THESE PRESENTS, That we, \_\_\_\_\_

ADC Construction, LLC

58-08 48th Street

Maspeth, NY 11378

hereinafter referred to as the "Principal", and \_\_\_\_\_

Travelers Casualty & Surety Company of America

One Tower Square

Hartford, CT 06183

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

Eleven Million Five Hundred Eighty Five Thousand and 00/100

(\$11,585,000.00) Dollars, lawful money of the United States, for the payment of which said sum of money well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal is about to enter, or has entered, into a Contract in writing with the City for FMS ID: BEDA-001 - E-PIN: 85015B-0107001 - DDC PIN: 8502015WM0008C

Construction of Accelerated Water Main Replacement and Sewer Rehabilitation and

Replacement - Boro of Brooklyn

a copy of which Contract is annexed to and hereby made a part of this bond as though herein set forth in full;

NOW, THEREFORE, the conditions of this obligation are such that if the Principal, his or its representatives or assigns and other Subcontractors to whom Work under this Contract is sublet and his or their successors and assigns shall promptly pay or cause to be paid all lawful claims for

(a) Wages and compensation for labor performed and services rendered by all persons engaged in the prosecution of the Work under said Contract, and any amendment or extension thereof or addition thereto, whether such persons be agents servants or employees of the Principal or any such Subcontractor, including all persons so engaged who perform the work of laborers or mechanics at or in the vicinity of the site



**Payment Bond (Pages 86 to 89):** 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.



**Payment Bond (Pages 86 to 89):** Use for any contract for which a Payment Bond is required.

**PAYMENT BOND (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 26th day of June, 2015.

(Seal)

ADC Construction, LLC (L.S.)  
Principal

By: Donald Cifer

(Seal)

Travelers Casualty & Surety Company of America  
Surety

By: Robert M. Kempner  
Robert M. Kempner, Attorney-In-Fact

(Seal)

\_\_\_\_\_  
Surety

By: \_\_\_\_\_

(Seal)

\_\_\_\_\_  
Surety

By: \_\_\_\_\_

(Seal)

\_\_\_\_\_  
Surety

By: \_\_\_\_\_

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

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

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



**Payment Bond (Pages 86 to 89):** Use for any contract for which a Payment Bond is required.

PAYMENT BOND (Page 4)

**ACKNOWLEDGMENT OF PRINCIPAL, IF A CORPORATION**

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came \_\_\_\_\_ to me known, who, being by me duly sworn did depose and say that he resides at \_\_\_\_\_ that he is the \_\_\_\_\_ of the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that one of the seals affixed to said instrument is such seal; that it was so affixed by order of the directors of said corporation, and that he signed his name thereto by like order.

\_\_\_\_\_  
Notary Public or Commissioner of Deeds

**ACKNOWLEDGMENT OF PRINCIPAL, IF A <sup>LLC</sup> PARTNERSHIP**

State of New York County of Queens ss:

On this 1st day of July, 2015, before me personally appeared Domenick Cipollone to me known, and known to me to be one of the members of the firm of ADC CONSTRUCTION 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.

MELISSA GALLAGHER  
Notary Public, State of New York  
No. 01GA6013314  
Qualified in Queens County  
Commission Expires Sept. 14, 2018

Melissa Gallagher  
Notary Public or Commissioner of Deeds

**ACKNOWLEDGMENT OF PRINCIPAL, IF AN INDIVIDUAL**

State of \_\_\_\_\_ County of \_\_\_\_\_ ss:

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally appeared \_\_\_\_\_ to me known, and known to me to be the person described in and who executed the foregoing instrument; and acknowledged that he executed the same.

\_\_\_\_\_  
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.



41-2011-1010-1000  
1010-1000-1000  
1010-1000-1000  
1010-1000-1000  
1010-1000-1000



ACKNOWLEDGEMENT OF PRINCIPAL, OF A CORPORATION

STATE OF \_\_\_\_\_

SS:

COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came \_\_\_\_\_ to me known, who, being by me duly sworn did depose and say that he resides at \_\_\_\_\_ that he is the \_\_\_\_\_ 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 the foregoing instrument is such seal; that it was an affixed by order of the board of directors of said corporation; and that he signed his name thereto by like order.

Notary Public

ACKNOWLEDGEMENT OF SURETY

STATE OF New York

SS:

COUNTY OF Nassau

On this 26th day of June, 2015, before me personally came Robert M. Kempner to me known, who, being by me duly sworn, did depose and say that he is an Attorney-In-Fact of Travelers Casualty & Surety Company of America the corporation described in and which executed the within instrument; that he knows the corporate seal of said corporation; that the seal affixed to the within instrument is such corporate seal, and that he signed and said instrument and affixed the said seal as Attorney-In-Fact by authority of the Board of Directors of said corporation and by authority of this office under the Standing Resolutions thereof.

LYNN ANN INFANTI  
Notary Public, State of New York  
No. 01IN8004351  
Qualified in Suffolk County  
Commission Expires March 23, 2018

My commission expires \_\_\_\_\_



Notary Public



**TRAVELERS****POWER OF ATTORNEY**

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

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

Attorney-In Fact No. 227595

Certificate No. 006111831

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

Joseph Sforzo, Robert W. O'Kane, Robert M. Kempner, Susan P. Hammel, and Matthew J. Kelly

of the City of Plainview, State of New York, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 6th day of October, 2014.

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

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



State of Connecticut  
 City of Hartford ss.

By: Robert L. Raney  
 Robert L. Raney, Senior Vice President

On this the 6th day of October, 2014, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed 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 hereunto set my hand and official seal.  
 My Commission expires the 30th day of June, 2016.



Marie C. Tetreault  
 Marie C. Tetreault, Notary Public



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

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

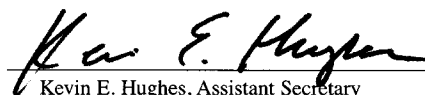
**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 26th day of June, 20 15

  
Kevin E. Hughes, Assistant Secretary



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



## TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

HARTFORD, CONNECTICUT 06183

FINANCIAL STATEMENT AS OF DECEMBER 31, 2014

AS FILED IN THE STATE OF NEW YORK

CAPITAL STOCK \$ 6,480,000

ASSETS		LIABILITIES & SURPLUS	
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STOCKS	328,931,879	LOSS ADJUSTMENT EXPENSES	358,911,923
INVESTMENT INCOME DUE AND ACCRUED	45,277,103	COMMISSIONS	34,142,046
OTHER INVESTED ASSETS	4,019,416	TAXES, LICENSES AND FEES	11,534,866
PREMIUM BALANCES	209,982,904	OTHER EXPENSES	40,097,405
NET DEFERRED TAX ASSET	62,639,844	CURRENT FEDERAL AND FOREIGN INCOME TAXES	24,133,560
REINSURANCE RECOVERABLE	17,397,751	REMITTANCES AND ITEMS NOT ALLOCATED	11,062,682
SECURITIES LENDING REINVESTED COLLATERAL ASSETS	8,224,694	AMOUNTS WITHHELD / RETAINED BY COMPANY FOR OTHERS	41,744,996
RECEIVABLES FROM PARENT, SUBSIDIARIES AND AFFILIATES	9,057,199	RETROACTIVE REINSURANCE RESERVE ASSUMED	853,430
OTHER ASSETS	3,078,655	POLICYHOLDER DIVIDENDS	7,376,699
		PROVISION FOR REINSURANCE	3,416,505
		ADVANCE PREMIUM	1,327,118
		PAYABLE FOR SECURITIES	4,590,768
		PAYABLE FOR SECURITIES LENDING	8,224,694
		CEDED REINSURANCE NET PREMIUMS PAYABLE	28,084,142
		ESCHEAT LIABILITY	1,136,046
		OTHER ACCRUED EXPENSES AND LIABILITIES	421,157
		TOTAL LIABILITIES	\$ 2,110,576,190
		CAPITAL STOCK	\$ 6,480,000
		PAID IN SURPLUS	433,803,760
		OTHER SURPLUS	1,674,373,715
		TOTAL SURPLUS TO POLICYHOLDERS	\$ 2,114,657,475
TOTAL ASSETS	\$ 4,225,233,665	TOTAL LIABILITIES & SURPLUS	\$ 4,225,233,665

STATE OF CONNECTICUT )  
COUNTY OF HARTFORD ) SS.  
CITY OF HARTFORD )

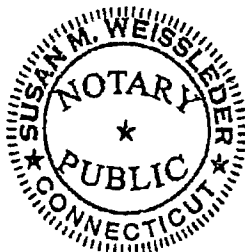
MICHAEL J. DOODY, BEING DULY SWORN, SAYS THAT HE IS SECOND VICE PRESIDENT, OF TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT STATEMENT OF THE FINANCIAL CONDITION OF SAID COMPANY AS OF THE 31ST DAY OF DECEMBER, 2014.

*Michael J. Doody*  
SECOND VICE PRESIDENT

*Susan M. Weissleder*  
NOTARY PUBLIC

SUBSCRIBED AND SWORN TO BEFORE ME THIS  
19TH DAY OF MARCH, 2015

SUSAN M. WEISSLEDER  
Notary Public  
My Commission Expires November 30, 2017





## 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.

<u>CODE</u>	<u>CLASSIFICATION</u>
15 42 001	Rigger
15 42 002	Sign Erector
16 11 001	Gardener
16 11 002	Tree Pruner
16 11 003	Tree Remover
16 11 011	Asphalt Raker (Highway & Paving)
16 11 012	Tamper (Highway & Paving)
16 11 013	Curbsetter (Highway & Paving)
16 11 014	Formsetter (Highway & Paving)
16 11 015	Rammerman (Highway & Paving)
16 11 016	Laborer (Highway & Paving)
16 11 017	ALL OTHER TITLES (Highway & Paving)
16 23 001	Laborer
16 23 002	Operating Engineer (Heavy Construction-Maintenance)
16 23 003	Junior Operating Engineer
16 23 004	Junior Operating Engineer
16 23 005	Junior Operating Engineer
16 23 006	Fireman (Heavy Construction)
16 23 007	Oiler (Heavy Construction)
16 23 051	Surveyor-Heavy Construction
16 23 052	Surveyor-Heavy Construction-Instrument Man
16 23 053	Surveyor-Heavy Construction-Rodman
16 23 057	Surveyor-Land Surveying-Party Chief
16 23 058	Surveyor-Land Surveying-Instrument Man
16 23 059	Surveyor-Land Surveying-Rodman



<u>CODE</u>	<u>CLASSIFICATION</u>
16 23 061	Operating Engineer-Road & Heavy Construction
16 23 062	Operating Engineer-Paving
16 23 063	Operating Engineer-Concrete
16 23 071	Teamster-Heavy Equipment Trailer Driver
16 23 072	Teamster-Dump Truck Driver
16 23 073	Teamster-Flat Bed Trailer Driver (3-Axle)
16 23 074	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 41 001	Bricklayer
17 41 002	Mason Tender
17 41 004	Cement Mason
17 42 002	Metallic Lather
17 51 001	Carpenter
17 51 002	Dock Builder
17 71 001	Cement & Concrete Worker
17 91 001	Structural Iron Worker
17 95 001	Barman
17 96 021	Derrickmen & Riggers
17 99 001	Ornamental Iron Worker
17 99 002	Sandblaster
17 99 005	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.



**OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE**

**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](http://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](http://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.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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 EACH HOUR WORKED unless otherwise noted.**

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**ASBESTOS HANDLER**

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

**Asbestos Handler**

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

Wage Rate per Hour: **\$36.00**

Supplemental Benefit Rate per Hour: **\$15.45**

**Overtime**

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

Time and one half the regular rate for Sunday.

Time and one half the regular hourly rate after 40 hours in any work week.

**Overtime Holidays**

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

New Year's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day

Easter

**Paid Holidays**

None

(Local #78 and Local #12A)

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**BLASTER**

**Blaster**

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

Wage Rate per Hour: **\$45.70**

Supplemental Benefit Rate per Hour: **\$39.69**

**Blaster (Hydraulic)**

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

Wage Rate per Hour: **\$46.49**

Supplemental Benefit Rate per Hour: **\$39.69**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**Blaster - Trac Drill Hydraulic**

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

Wage Rate per Hour: \$41.20

Supplemental Benefit Rate per Hour: \$39.69

**Blaster - Wagon: Air Trac: Quarry Bar: Drillrunners**

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

Wage Rate per Hour: \$40.44

Supplemental Benefit Rate per Hour: \$39.69

**Blaster - Operators of Jack Hammers**

Chippers: Spaders: Concrete Breakers: and all other pneumatic tools of like usage: Walk Behind Self Propelled Hydraulic Asphalt and Concrete Breakers: Hydro (Water) Demolition

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

Wage Rate per Hour: \$39.43

Supplemental Benefit Rate per Hour: \$39.69

**Blaster - Powder Carriers**

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

Wage Rate per Hour: \$35.66

Supplemental Benefit Rate per Hour: \$39.69

**Blaster - Hydraulic Trac Drill Chuck Tender**

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

Wage Rate per Hour: \$34.42

Supplemental Benefit Rate per Hour: \$39.69

**Blaster - Chuck Tender & Nipper**

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

Wage Rate per Hour: \$33.69

Supplemental Benefit Rate per Hour: \$39.69

**Blaster - Magazine Keepers: (Watch Person)**

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

Wage Rate per Hour: \$20.30

Supplemental Benefit Rate per Hour: \$39.69

**Overtime Description**

Magazine Keepers:



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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

**All Other Employees:**

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

**Overtime**

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

**Overtime Holidays**

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

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

**Paid Holidays**

None

**Shift Rates**

A single shift shall be 8 hours plus an unpaid lunch, starting at 8:00 A.M (or between 6:00 A.M. and 10:00 A.M. on weekdays). When two (2) shifts are employed, each shift shall be 8 hours plus ½ hour unpaid lunch. When three (3) shifts are employed, each shift will work seven and one-half (7 ½) hours, but will be paid for eight (8) hours, since only one-half (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)

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**BOILERMAKER**

**Boilermaker**

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

Wage Rate per Hour: \$50.45

Supplemental Benefit Rate per Hour: \$41.31

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

**Overtime Description**

For Repair and Maintenance work:

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

Double time the regular rate for Sunday.  
For New Construction work:  
Double time the regular rate after an 8 hour day.  
Double time the regular time rate for Saturday.  
Double time the regular rate for Sunday.

### Overtime Holidays

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

New Year's Day  
President's Day  
Memorial Day  
Independence Day  
Columbus Day  
Election Day  
Veteran's Day  
Thanksgiving Day  
Christmas Day

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

### Paid Holidays

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

### Shift Rates

When shifts are required, the first shift shall work eight (8) hours at the regular straight-time hourly rate. The second shift shall work seven and one-half (7 ½) hours and receive eight hours at the regular straight time hourly rate plus twenty-five cents (\$0.25) per hour. The third shift shall work seven (7) hours and receive eight hours at the regular straight time hourly rate plus fifty cents (\$0.50) per hour. A thirty (30) minute lunch period shall not be considered as time worked. Work in excess of the above shall be paid overtime at the appropriate new construction work or repair work overtime wage and supplemental benefit hourly rate.

(Local #5)

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## BRICKLAYER

### Bricklayer

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

Wage Rate per Hour: \$47.78

Supplemental Benefit Rate per Hour: \$28.03

### Overtime

Time and one half the regular rate after a 7 hour day.  
Time and one half the regular rate for Saturday.  
Double time the regular rate for Sunday.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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)

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## CARPENTER - BUILDING COMMERCIAL

### Building Commercial

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

Wage Rate per Hour: \$49.88

Supplemental Benefit Rate per Hour: \$44.10

### Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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

### Overtime Holidays

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

New Year's Day  
Washington's Birthday  
Memorial Day  
Independence Day  
Labor Day  
Columbus Day  
Presidential Election Day  
Thanksgiving Day  
Day after Thanksgiving  
Christmas Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**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)

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**CARPENTER - HEAVY CONSTRUCTION WORK**  
**(Construction of Engineering Structures and Building Foundations)**

**Heavy Construction Work**

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

Wage Rate per Hour: **\$48.35**

Supplemental Benefit Rate per Hour: **\$46.12**

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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

**Overtime Holidays**

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Christmas Day

**Paid Holidays**

None

**Shift Rates**

Off shift work commencing between 5:00 P.M. and 11:00 P.M. shall work eight and one half hours allowing for one half hour for lunch. The wage rate shall be 113% of the straight time hourly wage rate.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

(Carpenters District Council)

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## CEMENT & CONCRETE WORKER

### Cement & Concrete Worker

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

Wage Rate per Hour: \$42.38

Supplemental Benefit Rate per Hour: \$26.17

Supplemental Note: \$28.92 on Saturdays; \$31.67 on Sundays & Holidays

### Overtime Description

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

### Overtime

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

### Overtime Holidays

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

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Christmas Day

### Paid Holidays

1/2 day before Christmas Day

1/2 day before New Year's Day

### Shift Rates

On shift work extending over a twenty-four hour period, all shifts are paid at straight time.

(Cement Concrete Workers District Council)

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## CEMENT MASON

### Cement Mason



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$38.88

Supplemental Benefit Rate per Hour: \$39.80

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

### Overtime Description

Time and one-half the regular rate after an 8 hour day, double time the regular rate after 10 hours. Time and one-half the regular rate on Saturday, double time the regular rate after 10 hours. Double time the regular rate on Sunday.

### Overtime Holidays

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

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Christmas Day

### Paid Holidays

Any worker who reports to work on Christmas Eve or New Year's Eve pursuant to his employer's instruction shall be entitled to three (3) hours afternoon pay without working.

### Shift Rates

For an off shift day, (work at times other than the regular 7:00 A.M. to 3:30 P.M. work day) a cement mason shall be paid at the regular hourly rate plus a 25% per hour differential. Four Days a week at Ten (10)hour day.

(Local #780)

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## CORE DRILLER

### Core Driller

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

Wage Rate per Hour: \$35.71

Supplemental Benefit Rate per Hour: \$21.69

### Core Driller Helper

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

Wage Rate per Hour: \$28.60

Supplemental Benefit Rate per Hour: \$21.69



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**Core Driller Helper(Third year in the industry)**

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

Wage Rate per Hour: \$25.74

Supplemental Benefit Rate per Hour: \$21.69

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

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

Wage Rate per Hour: \$22.88

Supplemental Benefit Rate per Hour: \$21.69

**Core Driller Helper (First year in the industry)**

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

Wage Rate per Hour: \$20.02

Supplemental Benefit Rate per Hour: \$21.69

**Overtime Description**

Time and one half the regular rate for work on a holiday plus Holiday pay when worked.

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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

**Paid Holidays**

New Year's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day

**Shift Rates**

The shift day shall be the continuous eight and one-half (8½) hours from 6:00 A.M. to 2:30 P.M. and from 2:30 P.M. to 11:00 P.M., including one-half (½) hour of employees regular rate of pay for lunch. When two (2) or more shifts are employed, single time shall be paid for each shift, but those employees employed on a shift other than from 8:00 A.M. to 5:00 P.M. shall, in addition, receive seventy-five cents (\$0.75) per hour differential for each hour worked. When three (3) shifts are needed, each shift shall work seven and one-half (7 ½) hours paid for eight (8) hours of labor and be permitted one-half (½) hour for mealtime.

(Carpenters District Council)

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OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**DERRICKPERSON AND RIGGER**

**Derrick Person & Rigger**

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

Wage Rate per Hour: \$42.25

Supplemental Benefit Rate per Hour: \$47.81

Supplemental Note: The above supplemental rate applies for work performed in Manhattan, Bronx, Brooklyn and Queens. \$49.23 - For work performed in Staten Island.

**Overtime Description**

The first two hours of overtime on weekdays and the first seven hours of work on Saturdays are paid at time and one half for wages and supplemental benefits. All additional overtimes is paid at double time for wages and supplemental benefits. Deduct \$1.42 from the Staten Island hourly benefits rate before computing overtime.

**Overtime**

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

Washington's Birthday

Good Friday

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day

**Paid Holidays**

1/2 day on Christmas Eve if work is performed in the A.M.

(Local #197)

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**DIVER**

**Diver (Marine)**

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

Wage Rate per Hour: \$61.30

Supplemental Benefit Rate per Hour: \$46.12

**Diver Tender (Marine)**

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

Wage Rate per Hour: \$43.45

Supplemental Benefit Rate per Hour: \$46.12



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### Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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)

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## DOCKBUILDER - PILE DRIVER

### Dockbuilder - Pile Driver

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

Wage Rate per Hour: \$48.35

Supplemental Benefit Rate per Hour: \$46.12

### Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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

### Overtime Holidays

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

New Year's Day

President's Day



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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)

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**DRIVER: TRUCK (TEAMSTER)**

**Driver - Dump Truck**

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

Wage Rate per Hour: **\$38.86**

Supplemental Benefit Rate per Hour: **\$40.44**

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

**Driver - Tractor Trailer**

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

Wage Rate per Hour: **\$38.88**

Supplemental Benefit Rate per Hour: **\$41.70**

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

**Driver - Euclid & Turnapull Operator**

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

Wage Rate per Hour: **\$39.44**

Supplemental Benefit Rate per Hour: **\$41.70**

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

**Overtime Description**

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

**Overtime**

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



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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  
Veteran's Day  
Thanksgiving Day  
Day after Thanksgiving  
Christmas Day

### Paid Holidays

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

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### Driver Redi-Mix (Sand & Gravel)

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

Wage Rate per Hour: \$36.05

Supplemental Benefit Rate per Hour: \$38.60

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

### Overtime Description

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

### Overtime

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

### Overtime Holidays

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

President's Day  
Columbus Day  
Veteran's Day



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

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

**Paid Holidays**

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

(Local #282)

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**ELECTRICIAN**

(Including all low voltage cabling carrying data; video; and voice in combination with data and or video.)

**Electrician "A" (Regular Day)**

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

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$47.54

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

Wage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$50.03

**Electrician "A" (Regular Day Overtime)**

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

Wage Rate per Hour: \$79.50

Supplemental Benefit Rate per Hour: \$50.86

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

Wage Rate per Hour: \$81.00

Supplemental Benefit Rate per Hour: \$53.41



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
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**Electrician "A" (Day Shift)**

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

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$47.54

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

Wage Rate per Hour: \$54.00

Supplemental Benefit Rate per Hour: \$50.03

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

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

Wage Rate per Hour: \$79.50

Supplemental Benefit Rate per Hour: \$50.86

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

Wage Rate per Hour: \$81.00

Supplemental Benefit Rate per Hour: \$53.41

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

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

Wage Rate per Hour: \$62.19

Supplemental Benefit Rate per Hour: \$54.07

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

Wage Rate per Hour: \$63.36

Supplemental Benefit Rate per Hour: \$56.94

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

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

Wage Rate per Hour: \$93.29

Supplemental Benefit Rate per Hour: \$57.97

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

Wage Rate per Hour: \$95.04

Supplemental Benefit Rate per Hour: \$60.91

**Electrician "A" (Graveyard Shift)**

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

Wage Rate per Hour: \$69.66

Supplemental Benefit Rate per Hour: \$59.59

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

Wage Rate per Hour: \$70.97

Supplemental Benefit Rate per Hour: \$62.78



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

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

Wage Rate per Hour: \$104.49

Supplemental Benefit Rate per Hour: \$63.96

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

Wage Rate per Hour: \$106.46

Supplemental Benefit Rate per Hour: \$67.23

**Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

**Overtime Holidays**

Time and one half the regular rate for work on a holiday.

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

**Paid Holidays**

None

**Shift Rates**

When so elected by the Employer, one or more shifts of at least five days duration may be scheduled as follows:

Day Shift: 8:00 am to 4:30 pm, Swing Shift 4:30 pm to 12:30 am, Graveyard Shift: 12:30 am to 8:00 am.

For multiple shifts of temporary light and/or power, the temporary light and/or power employee shall be paid for 8 hours at the straight time rate. For three or less workers performing 8 hours temporary light and/or power the supplemental benefit rate is \$23.63. Effective 5/13/2015 - \$24.39.

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**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.



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

**Wage Rate per Hour: \$27.00**

**Supplemental Benefit Rate per Hour: \$20.32**

**First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$26.30**

**First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$19.96**

**First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$22.50**

**First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$18.06**

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

**Wage Rate per Hour: \$27.50**

**Supplemental Benefit Rate per Hour: \$20.82**

**First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$26.80**

**First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$20.46**

**First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$23.00**

**First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$18.56**

**Electrician "M" (Overtime After First 8 hours)**

"M" rated work shall be defined as jobbing: electrical work of limited duration and scope, also consisting of repairs and/or replacement of electrical and tele-data equipment. Includes all work necessary to retrofit, service, maintain and repair all kinds of lighting fixtures and local lighting controls and washing and cleaning of foregoing fixtures.

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

**Wage Rate per Hour: \$40.50**

**Supplemental Benefit Rate per Hour: \$22.01**

**First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$39.45**

**First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$21.61**

**First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$33.75**

**First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$19.47**

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

**Wage Rate per Hour: \$41.25**

**Supplemental Benefit Rate per Hour: \$22.54**

**First and Second Year "M" Wage Rate Per Hour - Hired on or before 5/10/07: \$40.20**

**First and Second Year "M" Supplemental Rate- Hired on or before 5/10/07: \$22.14**

**First and Second Year "M" Wage Rate Per Hour - Hired after 5/10/07: \$34.50**

**First and Second Year "M" Supplemental Rate- Hired after 5/10/07: \$20.00**

**Overtime**

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Labor Day



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§220 PREVAILING WAGE SCHEDULE

Columbus Day  
Veteran's Day  
Thanksgiving Day  
Day after Thanksgiving  
Christmas Day

**Paid Holidays**

None

(Local #3)

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**ELECTRICIAN - ALARM TECHNICIAN**

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

**Alarm Technician**

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

Wage Rate per Hour: \$30.40

Supplemental Benefit Rate per Hour: \$13.90

Supplemental Note: \$12.40 only after 8 hours worked in a day

**Overtime Description**

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

Double time the regular rate for work on the following holidays: New Year's day, Martin Luther King Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day.

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Paid Holidays**

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



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### Shift Rates

Night Differential is based upon a ten percent (10%) differential between the hours of 4:00 P.M. and 12:30 A.M. and a fifteen percent (15%) differential for the hours 12:00 A.M. to 8:00 A.M.

### Vacation

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

Sick Days:  
One day per Year

(Local #3)

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## ELECTRICIAN-STREET LIGHTING WORKER

### Electrician - Electro Pole Electrician

Effective Period: 7/1/2014 - 5/19/2015  
Wage Rate per Hour: \$53.00  
Supplemental Benefit Rate per Hour: \$49.34

Effective Period: 5/20/2015 - 6/30/2015  
Wage Rate per Hour: \$54.00  
Supplemental Benefit Rate per Hour: \$51.86

### Electrician - Electro Pole Foundation Installer

Effective Period: 7/1/2014 - 5/19/2015  
Wage Rate per Hour: \$40.18  
Supplemental Benefit Rate per Hour: \$37.73

Effective Period: 5/20/2015 - 6/30/2015  
Wage Rate per Hour: \$40.93  
Supplemental Benefit Rate per Hour: \$39.46

### Electrician - Electro Pole Maintainer

Effective Period: 7/1/2014 - 5/19/2015  
Wage Rate per Hour: \$34.40  
Supplemental Benefit Rate per Hour: \$34.00

Effective Period: 5/20/2015 - 6/30/2015  
Wage Rate per Hour: \$35.05  
Supplemental Benefit Rate per Hour: \$35.51



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### Overtime Description

Electrician - Electro Pole Electrician: Time and one half the regular rate after a 7 hour day and after 5 consecutive days worked per week.

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

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

### Overtime Holidays

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

New Year's 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)

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## ELEVATOR CONSTRUCTOR

### Elevator Constructor

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

Wage Rate per Hour: \$58.23

Supplemental Benefit Rate per Hour: \$29.47

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

Wage Rate per Hour: \$59.55

Supplemental Benefit Rate per Hour: \$31.07

### Overtime Description

For New Construction: work performed after 7 or 8 hour day, Saturday, Sunday or between 4:30pm and 7:00am shall be paid at double time rate.

Existing buildings: work performed after an 8 hour day, Saturday, Sunday or between 5:30pm and 7:00 am shall be paid time and one half.

### Overtime



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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)

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**ELEVATOR REPAIR & MAINTENANCE**

**Elevator Service/Modernization Mechanic**

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

Wage Rate per Hour: \$46.00

Supplemental Benefit Rate per Hour: \$28.78

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

Wage Rate per Hour: \$46.92

Supplemental Benefit Rate per Hour: \$30.91

**Overtime Description**

For Service Work: Double time - all work performed on Sundays, Holidays, and between midnight and 7:00am.

**Overtime**

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

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

**Paid Holidays**

New Year's Day  
President's Day  
Good Friday  
Memorial Day  
Independence Day



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Labor Day  
Columbus Day  
Veteran's Day  
Thanksgiving Day  
Day after Thanksgiving  
Christmas Day

### Shift Rates

For Modernization Work (4pm to 12:30am) - regularly hourly rate plus a (15%) fifteen percent differential.

### Vacation

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

(Local #1)

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## ENGINEER

### Engineer - Heavy Construction Operating Engineer I

Cherry pickers 20 tons and over and Loaders (rubber tired and/or tractor type with a manufacturer's minimum rated capacity of six cubic yards and over).

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

Wage Rate per Hour: \$61.05

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$97.68

### Engineer - Heavy Construction Operating Engineer II

Backhoes, Basin Machines, Groover, Mechanical Sweepers, Bobcat, Boom Truck, Barrier Transport (Barrier Mover) & machines of similar nature. Operation of Churn Drills and machines of a similar nature, Stetco Silent Hoist and machines of similar nature, Vac-Alls, Meyers Machines, John Beam and machines of a similar nature, Ross Carriers and Travel Lifts and machines of a similar nature, Bulldozers, Scrapers and Turn-a-Pulls: Tugger Hoists (Used exclusively for handling excavated material); Tractors with attachments, Hyster and Roustabout Cranes, Cherry pickers. Austin Western, Grove and machines of a similar nature, Scoopmobiles, Monorails, Conveyors, Trenchers: Loaders-Rubber Tired and Tractor: Barber Greene and Eimco Loaders and Eimco Backhoes; Mighty Midget and similar breakers and Tampers, Curb and Gutter Pavers and Motor Patrol, Motor Graders and all machines of a similar nature. Locomotives 10 Tons or under. Mini-Max, Break-Tech and machines of a similar nature; Milling machines, robotic and demolition machines and machines of a similar nature, shot blaster, skid steer machines and machines of a similar nature including bobcat, pile rig rubber-tired excavator (37,000 lbs. and under), 2 man auger.

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

Wage Rate per Hour: \$59.24

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$94.78



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**Engineer - Heavy Construction Operating Engineer III**

Minor Equipment such as Tractors, Post Hole Diggers, Ditch Witch (Walk Behind), Road Finishing Machines, Rollers five tons and under, Tugger Hoists, Dual Purpose Trucks, Fork Lifts, and Dempsey Dumpers, Fireperson.

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

Wage Rate per Hour: \$56.22

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$89.95

**Engineer - Heavy Construction Maintenance Engineer I**

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

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

Wage Rate per Hour: \$58.97

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$94.35

**Engineer - Heavy Construction Maintenance Engineer II**

On Base Mounted Tower Cranes

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

Wage Rate per Hour: \$77.30

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$123.68

**Engineer - Heavy Construction Maintenance Engineer III**

On Generators, Light Towers

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

Wage Rate per Hour: \$39.10

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime



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Shift Wage Rate: \$62.56

**Engineer - Heavy Construction Maintenance Engineer IV**

On Pumps and Mixers including mud sucking

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

Wage Rate per Hour: \$40.11

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$64.18

**Engineer - Heavy Construction Oilers I**

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

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

Wage Rate per Hour: \$53.22

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$85.15

**Engineer - Heavy Construction Oilers II**

All gasoline, electric, diesel or air operated Shovels, Draglines, Backhoes, Keystones, Pavers, Guniting Machines, Battery of Compressors, Crawler Cranes, two-person Trenching Machines.

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

Wage Rate per Hour: \$36.97

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$59.15

**Engineer - Steel Erection Maintenance Engineers**

Derrick, Travelers, Tower, Crawler Tower and Climbing Cranes

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

Wage Rate per Hour: \$57.05

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$91.28

**Engineer - Steel Erection Oiler I**

On a Truck Crane

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

Wage Rate per Hour: \$53.43



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Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$85.49

**Engineer - Steel Erection Oiler II**

On a Crawler Crane

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

Wage Rate per Hour: \$40.84

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

Shift Wage Rate: \$65.34

**Overtime Description**

On jobs of more than one shift, if the next shift employee fails to report for work through any cause over which the employer has no control, the employee on duty who works the next shift continues to work at the single time rate.

**Overtime**

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

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

**Paid Holidays**

New Year's Day

Lincoln's Birthday

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

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

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**Engineer - Building Work Maintenance Engineers I**

Installing, repairing, maintaining, dismantling (of all equipment including: Steel Cutting and Bending Machines, Mechanical Heaters, Mine Hoists, Climbing Cranes, Tower Cranes, Linden Peine, Lorain, Liebherr, Mannes, or machines of a similar nature, Well Point Systems, Deep Well Pumps, Concrete Mixers with loading Device, Concrete Plants, Motor Generators when used for temporary power and lights), skid steer machines of a similar nature including bobcat.

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

Wage Rate per Hour: \$54.04



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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

**Engineer - Building Work Maintenance Engineers II**

On Pumps, Generators, Mixers and Heaters

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

Wage Rate per Hour: \$42.10

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

**Engineer - Building Work Oilers I**

All gasoline, electric, diesel or air operated Gradealls: Concrete Pumps, Overhead Cranes in Power Houses: Their duties shall be to assist the Engineer in oiling, greasing and repairing of all machines; Driving Truck Cranes: Driving and Operating Fuel and Grease Trucks, Cherrypickers (hydraulic cranes) over 70,000 GVW, and machines of a similar nature.

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

Wage Rate per Hour: \$51.40

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

**Engineer - Building Work Oilers II**

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

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

Wage Rate per Hour: \$38.31

Supplemental Benefit Rate per Hour: \$31.93

Supplemental Note: \$57.46 on overtime

**Overtime Description**

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

**Overtime**

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

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

**Paid Holidays**

New Year's Day

Lincoln's Birthday

President's Day

Memorial Day

Independence Day

Labor Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
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Columbus Day  
Veteran's Day  
Thanksgiving Day  
Christmas Day

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

### Shift Rates

Off Shift: double time the regular hourly rate.

(Local #15)

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## ENGINEER - CITY SURVEYOR AND CONSULTANT

### Party Chief

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

Wage Rate per Hour: \$35.55

Supplemental Benefit Rate per Hour: \$17.65

### Instrument Person

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

Wage Rate per Hour: \$29.41

Supplemental Benefit Rate per Hour: \$17.65

### Rodperson

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

Wage Rate per Hour: \$25.54

Supplemental Benefit Rate per Hour: \$17.65

### Overtime Description

Overtime Benefit Rate - \$23.63 per hour (time & one half) \$29.95 per hour (double time).

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

### Paid Holidays

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**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)

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**ENGINEER - FIELD (BUILDING CONSTRUCTION)**  
(Construction of Building Projects, Concrete Superstructures, etc.)

**Field Engineer - BC Party Chief**

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

Wage Rate per Hour: **\$55.40**

Supplemental Benefit Rate per Hour: **\$30.62**

Supplemental Note: Overtime Benefit Rate - \$42.73 per hour (time & one half) \$54.84 per hour (double time).

**Field Engineer - BC Instrument Person**

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

Wage Rate per Hour: **\$43.10**

Supplemental Benefit Rate per Hour: **\$30.62**

Supplemental Note: Overtime Benefit Rate - \$42.73 per hour (time & one half) \$54.84 per hour (double time).

**Field Engineer - BC Rodperson**

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

Wage Rate per Hour: **\$27.96**

Supplemental Benefit Rate per Hour: **\$30.62**

Supplemental Note: Overtime Benefit Rate - \$42.73 per hour (time & one half) \$54.84 per hour (double time).

**Overtime Description**

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

**Paid Holidays**

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Christmas Day

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

(Operating Engineer Local #15-D)

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**ENGINEER - FIELD (HEAVY CONSTRUCTION)**  
(Construction of Roads, Tunnels, Bridges, Sewers, Building Foundations,  
Engineering Structures etc.)

**Field Engineer - HC Party Chief**

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

Wage Rate per Hour: \$62.61

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

**Field Engineer - HC Instrument Person**

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

Wage Rate per Hour: \$46.00

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

**Field Engineer - HC Rodperson**

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

Wage Rate per Hour: \$38.61

Supplemental Benefit Rate per Hour: \$30.62

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

**Overtime Description**

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

**Paid Holidays**

New Year's Day

Lincoln's Birthday

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Christmas Day

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

(Operating Engineer Local #15-D)

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## ENGINEER - FIELD (STEEL ERECTION)

### Field Engineer - Steel Erection Party Chief

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

Wage Rate per Hour: **\$58.50**

Supplemental Benefit Rate per Hour: **\$30.62**

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

### Field Engineer - Steel Erection Instrument Person

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

Wage Rate per Hour: **\$45.53**

Supplemental Benefit Rate per Hour: **\$30.62**

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

### Field Engineer - Steel Erection Rodperson

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

Wage Rate per Hour: **\$30.43**

Supplemental Benefit Rate per Hour: **\$30.62**

Supplemental Note: Overtime benefit rate - \$42.73 per hour (time & one half), \$54.84 per hour (double time).

## Overtime Description

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

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

## Overtime

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

Double time the regular rate for Sunday.

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

## Paid Holidays

New Year's Day

Lincoln's Birthday

President's Day

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

(Operating Engineer Local #15-D)

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## **ENGINEER - OPERATING**

### **Operating Engineer - Road & Heavy Construction I**

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

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

Wage Rate per Hour: \$67.70

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$108.32

### **Operating Engineer - Road & Heavy Construction II**

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

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

Wage Rate per Hour: \$70.10

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: 51.75 overtime hours

Shift Wage Rate: \$112.16

### **Operating Engineer - Road & Heavy Construction III**

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

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

Wage Rate per Hour: \$72.34

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$115.74

### **Operating Engineer - Road & Heavy Construction IV**

Gradealls, Keystones, Cranes on land or water (with digging buckets), Bridge Cranes, Vermeer Cutter and machines of a similar nature, Trenching Machines.

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

Wage Rate per Hour: \$70.63

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$113.01

### **Operating Engineer - Road & Heavy Construction V**



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

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

Wage Rate per Hour: \$69.23

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$110.77

**Operating Engineer - Road & Heavy Construction VI**

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

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

Wage Rate per Hour: \$65.76

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$105.22

**Operating Engineer - Road & Heavy Construction VII**

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

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

Wage Rate per Hour: \$53.08

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$84.93

**Operating Engineer - Road & Heavy Construction VIII**

Utility Compressors

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

Wage Rate per Hour: \$41.18

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$51.93

**Operating Engineer - Road & Heavy Construction IX**

Horizontal Boring Rig

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

Wage Rate per Hour: \$62.53

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: \$100.05



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**Operating Engineer - Road & Heavy Construction X**

Elevators (manually operated as personnel hoist).

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

Wage Rate per Hour: **\$57.46**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$91.94**

**Operating Engineer - Road & Heavy Construction XI**

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

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

Wage Rate per Hour: **\$44.63**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$71.41**

**Operating Engineer - Road & Heavy Construction XII**

All Drills and Machines of a similar nature.

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

Wage Rate per Hour: **\$66.45**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$106.32**

**Operating Engineer - Road & Heavy Construction XIII**

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

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

Wage Rate per Hour: **\$64.34**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$102.94**

**Operating Engineer - Road & Heavy Construction XIV**

Concrete Mixer

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

Wage Rate per Hour: **\$61.53**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$98.45**



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**Operating Engineer - Road & Heavy Construction XV**

Compressors (Portable Single or two in Battery, not over 100 feet apart), Pumps (River Cofferdam) and Welding Machines, Push Button Machines, All Engines Irrespective of Power (Power-Pac) used to drive auxiliary equipment, Air, Hydraulic, etc.

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

Wage Rate per Hour: **\$41.44**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: **\$66.30**

**Operating Engineer - Road & Heavy Construction XVI**

Concrete Breaking Machines, Hoists (Single Drum), Load Masters, Locomotives (over ten tons) and Dinkies over ten tons, Hydraulic Crane-Second Engineer.

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

Wage Rate per Hour: **\$58.74**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: \$51.85 overtime hours

Shift Wage Rate: **\$93.98**

**Operating Engineer - Road & Heavy Construction XVII**

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

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

Wage Rate per Hour: **\$59.21**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: **\$94.74**

**Operating Engineer - Road & Heavy Construction XVIII**

Tower Crane

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

Wage Rate per Hour: **\$85.00**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: \$51.75 overtime hours

Shift Wage Rate: **\$136.00**

**Operating Engineer - Paving I**

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

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

Wage Rate per Hour: **\$65.76**



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Supplemental Benefit Rate per Hour: \$28.60  
Supplemental Note: \$51.75 overtime hours  
Shift Wage Rate: \$105.22

**Operating Engineer - Paving II**

Asphalt Roller

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$64.04  
Supplemental Benefit Rate per Hour: \$28.60  
Supplemental Note: \$51.75 overtime hours  
Shift Wage Rate: \$102.46

**Operating Engineer - Paving III**

Asphalt Plants

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$54.17  
Supplemental Benefit Rate per Hour: \$28.60  
Supplemental Note: \$51.75 overtime hours  
Shift Wage Rate: \$86.67

**Operating Engineer - Concrete I**

Cranes

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$70.32  
Supplemental Benefit Rate per Hour: \$28.60  
Supplemental Note: \$51.75 overtime hours

**Operating Engineer - Concrete II**

Compressors

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$41.76  
Supplemental Benefit Rate per Hour: \$28.60  
Supplemental Note: \$51.75 overtime hours

**Operating Engineer - Concrete III**

Micro-traps (Negative Air Machines), Vac-All Remediation System.

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$56.16  
Supplemental Benefit Rate per Hour: \$28.60  
Supplemental Note: \$51.75 overtime hours



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**Operating Engineer - Steel Erection I**

Three Drum Derricks

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

Wage Rate per Hour: **\$73.37**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$117.39**

**Operating Engineer - Steel Erection II**

Cranes, 2 Drum Derricks, Hydraulic Cranes, Fork Lifts and Boom Trucks.

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

Wage Rate per Hour: **\$70.50**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$112.80**

**Operating Engineer - Steel Erection III**

Compressors, Welding Machines.

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

Wage Rate per Hour: **\$41.84**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$66.94**

**Operating Engineer - Steel Erection IV**

Compressors - Not Combined with Welding Machine.

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

Wage Rate per Hour: **\$39.85**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours

Shift Wage Rate: **\$63.76**

**Operating Engineer - Building Work I**

Forklifts, Plaster (Platform machine), Plaster Bucket, Concrete Pump and all other equipment used for hoisting material.

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

Wage Rate per Hour: **\$57.82**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: **\$51.75** overtime hours



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**Operating Engineer - Building Work II**

Compressors, Welding Machines (Cutting Concrete-Tank Work), Paint Spraying, Sandblasting, Pumps (with the exclusion of Concrete Pumps), All Engines irrespective of Power (Power-Pac) used to drive Auxiliary Equipment, Air, Hydraulic, Jacking System, etc.

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

Wage Rate per Hour: \$43.28

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

**Operating Engineer - Building Work III**

Double Drum

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

Wage Rate per Hour: \$65.83

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

**Operating Engineer - Building Work IV**

Stone Derrick, Cranes, Hydraulic Cranes Boom Trucks.

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

Wage Rate per Hour: \$69.74

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

**Operating Engineer - Building Work V**

Dismantling and Erection of Cranes, Relief Engineer.

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

Wage Rate per Hour: \$64.26

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

**Operating Engineer - Building Work VI**

4 Pole Hoist, Single Drum Hoists.

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

Wage Rate per Hour: \$63.58

Supplemental Benefit Rate per Hour: \$28.60

Supplemental Note: \$51.75 overtime hours

**Operating Engineer - Building Work VII**



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**Rack & Pinion and House Cars**

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

Wage Rate per Hour: **\$50.53**

Supplemental Benefit Rate per Hour: **\$28.60**

Supplemental Note: \$51.75 overtime hours

For New House Car projects started after 7/1/11 only: Wage Rate per Hour \$40.31

**Overtime Description**

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

For House Cars and Rack & Pinion only: Overtime paid at time and one-half for all hours in excess of eight hours in a day, Saturday, Sunday and Holidays worked.

**Overtime**

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

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

**Paid Holidays**

New Year's Day

Lincoln's Birthday

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

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

**Shift Rates**

For Steel Erection Only: Shifts may be worked at the single time rate at other than the regular working hours (8:00 A.M. to 4:30 P.M.) on the following work ONLY: Heavy construction jobs on work below the street level, over railroad tracks and on building jobs.

(Operating Engineer Local #14)

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**FLOOR COVERER**

(Interior vinyl composition tile, sheath vinyl linoleum and wood parquet tile including site preparation and synthetic turf not including site preparation)

**Floor Coverer**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
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Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: **\$49.88**

Supplemental Benefit Rate per Hour: **\$44.10**

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

**Paid Holidays**

1/2 day on Christmas Eve if work is performed in the A.M.

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)

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**GLAZIER**

**(New Construction, Remodeling, and Alteration)**

**Glazier**

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

Wage Rate per Hour: **\$42.50**

Supplemental Benefit Rate per Hour: **\$35.09**

Supplemental Note: Supplemental Benefit Overtime Rate: **\$43.59**

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

Wage Rate per Hour: **\$42.85**

Supplemental Benefit Rate per Hour: **\$35.59**



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**Supplemental Note: Supplemental Benefit Overtime Rate: \$44.09**

**Overtime Description**

An optional 8th hour can be worked at straight time rate. If 9th hour is worked, then both hours or more (8th & 9th or more) will be at the double time rate of pay.

**Overtime**

Double time the regular rate after a 7 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

**Paid Holidays**

None

**Shift Rates**

Shifts shall be any 7 hours beyond 4:00 P.M. for which the glazier shall receive 8 hours pay for 7 hours worked.

(Local #1281)

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**GLAZIER - REPAIR & MAINTENANCE**

(For the Installation of Glass - All repair and maintenance work on a particular building, whenever performed, where the total cumulative contract value is under \$105,000. Except where enumerated (i.e. plate glass windows) does not apply to non-residential buildings.)

**Craft Jurisdiction for repair, maintenance and fabrication**

Plate glass replacement, Residential glass replacement, Residential mirrors and shower doors, Storm windows and storm doors, Residential replacement windows, Herculite door repairs, Door closer repairs, Retrofit apartment house (non commercial buildings), Glass tinting.

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

**Wage Rate per Hour: \$23.60**

**Supplemental Benefit Rate per Hour: \$19.04**



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**Overtime**

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

Double time the regular rate for Sunday.

Time and one half the regular hourly rate after 40 hours in any work week.

**Paid Holidays**

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

(Local #1281)

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**HEAT AND FROST INSULATOR**

**Heat & Frost Insulator**

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

Wage Rate per Hour: \$56.98

Supplemental Benefit Rate per Hour: \$34.81

**Overtime Description**

Double time shall be paid for supplemental benefits during overtime work.

8th hour paid at time and one half.

**Overtime**

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day.

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

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

Labor Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

## **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)

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## **HOUSE WRECKER (TOTAL DEMOLITION)**

### **House Wrecker - Tier A**

On all work sites the first, second, eleventh and every third House Wrecker thereafter will be Tier A House Wreckers (i.e. 1st, 2nd, 11th, 14th etc). Other House Wreckers may be Tier B House Wreckers.

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

Wage Rate per Hour: \$34.51

Supplemental Benefit Rate per Hour: \$25.59

### **House Wrecker - Tier B**

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

Wage Rate per Hour: \$24.02

Supplemental Benefit Rate per Hour: \$19.12

## **Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

## **Overtime Holidays**

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**Paid Holidays**

None

(Mason Tenders District Council)

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**IRON WORKER - ORNAMENTAL**

**Iron Worker - Ornamental**

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

Wage Rate per Hour: **\$42.70**

Supplemental Benefit Rate per Hour: **\$45.77**

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

**Overtime Description**

Time and one half the regular rate after a 7 hour day for a maximum of two hours on any regular work day (the 8th and 9th hour) and double time shall be paid for all work on a regular work day thereafter, time and one half the regular rate for Saturday for the first seven hours of work and double time shall be paid for all work on a Saturday thereafter.

**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)



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

## IRON WORKER - STRUCTURAL

### Iron Worker - Structural

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

Wage Rate per Hour: \$47.75

Supplemental Benefit Rate per Hour: \$65.35

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

### Overtime Description

Monday through Friday- the first eight hours are paid at straight time, the 9th and 10th hours are paid at time and one-half the regular rate, all additional weekday overtime is paid at double the regular rate. Saturdays- the first eight hours are paid at time and one-half the regular rate, double time thereafter. Sunday-all shifts are paid at double time.

### Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

### Overtime Holidays

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

New Year's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day

### Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M.

1/2 day on New Year's Eve if work is performed in the A.M.

### Shift Rates

Monday through Friday - First Shift: First eight hours are paid at straight time, the 9th & 10th hours are paid at time and a half, double time paid thereafter. Second and third Shifts: First eight hours are paid at time and one-half, double time thereafter. Saturdays: All shifts, first eight hours paid at time and one-half, double time thereafter: Sunday all shifts are paid at double time.

(Local #40 & #361)

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## LABORER

(Foundation, Concrete, Excavating, Street Pipe Layer and Common)



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**Laborer**

Excavation and foundation work for buildings, heavy construction, engineering work, and hazardous waste removal in connection with the above work. Landscaping tasks in connection with heavy construction work, engineering work and building projects. Projects include, but are not limited to pollution plants, sewers, parks, subways, bridges, highways, etc.

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

Wage Rate per Hour: **\$39.85**

Supplemental Benefit Rate per Hour: **\$34.88**

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

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 ½), but shall be paid for eight (8) hours of labor, and be permitted one half hour for lunch.

(Local #731)

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**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)**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
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Effective Period: 7/1/2014 - 6/30/2015

Wage Rate per Hour: \$25.75

Supplemental Benefit Rate per Hour: \$13.80

**Landscaper (3 - 6 years experience)**

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

Wage Rate per Hour: \$24.75

Supplemental Benefit Rate per Hour: \$13.80

**Landscaper (up to 3 years experience)**

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

Wage Rate per Hour: \$22.25

Supplemental Benefit Rate per Hour: \$13.80

**Groundperson**

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

Wage Rate per Hour: \$22.25

Supplemental Benefit Rate per Hour: \$13.80

**Tree Remover / Pruner**

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

Wage Rate per Hour: \$30.75

Supplemental Benefit Rate per Hour: \$13.80

**Landscaper Sprayer (Pesticide Applicator)**

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

Wage Rate per Hour: \$20.75

Supplemental Benefit Rate per Hour: \$13.80

**Watering - Plant Maintainer**

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

Wage Rate per Hour: \$15.75

Supplemental Benefit Rate per Hour: \$13.80

**Overtime Description**

For all overtime work performed, supplemental benefits shall include an additional seventy-five (\$0.75) cents per hour.

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**Paid Holidays**

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

**Shift Rates**

Work performed on a 4pm to 12am shift has a 15% differential. Work performed on a 12am to 8am shift has a 20% differential.

(Local #175)

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**MARBLE MECHANIC**

**Marble Setter**

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

Wage Rate per Hour: \$50.85

Supplemental Benefit Rate per Hour: \$34.21

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

Wage Rate per Hour: \$51.15

Supplemental Benefit Rate per Hour: \$34.87

**Marble Finisher**

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

Wage Rate per Hour: \$39.99

Supplemental Benefit Rate per Hour: \$33.34

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

Wage Rate per Hour: \$40.26

Supplemental Benefit Rate per Hour: \$33.90

**Marble Polisher**

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

Wage Rate per Hour: \$35.96

Supplemental Benefit Rate per Hour: \$25.92

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

Wage Rate per Hour: \$36.25

Supplemental Benefit Rate per Hour: \$26.28



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

### Overtime Description

Supplemental Benefit contributions are to be made at the applicable overtime rates. Time and one half the regular rate after a 7 hour day or time and one half the regular rate after an 8 hour day - chosen by Employer at the start of the project and then would last for the full duration of the project.

### Overtime

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

### Overtime Holidays

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

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

### Paid Holidays

None

(Local #7)

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## MASON TENDER

### Mason Tender

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

Wage Rate per Hour: **\$36.05**

Supplemental Benefit Rate per Hour: **\$26.74**

### Overtime

Time and one half the regular rate after an 8 hour day.  
Time and one half the regular rate for Saturday.  
Double time the regular rate for Sunday.  
Saturday may be used as a make-up day at straight time when a day is lost during that week to inclement weather.

### Overtime Holidays

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

New Year's Day  
President's Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

Memorial Day  
Independence Day  
Labor Day  
Thanksgiving Day  
Christmas Day

**Paid Holidays**  
None

**Shift Rates**

The Employer may work two (2) shifts with the first shift at the straight time wage rate and the second shift receiving eight (8) hours paid for seven (7) hours work at the straight time wage rate.

(Local #79)

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

Wage Rate per Hour: **\$34.99**

Supplemental Benefit Rate per Hour: **\$21.10**

**Mason Tender Tier B**

On Interior Demolition job sites 33 1/3 % of the employees shall be classified as Tier A Interior Demolition Workers and 66 2/3 % shall be classified as Tier B Interior Demolition Workers; provided that the employer may employ more than 33 1/3 % Tier A Interior Demolition Workers on the job site. Where the number of employees on a job site is not divisible by 3, the first additional employee (above the number of employees divisible by three) shall be a Tier B Interior Demolition Worker, and the second additional employee shall be a Tier A Interior Demolition Worker.

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

Wage Rate per Hour: **\$24.18**

Supplemental Benefit Rate per Hour: **\$15.42**

**Overtime**

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

Time and one half the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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

**Paid Holidays**

None

(Local #79)

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**METALLIC LATHER**

**Metallic Lather**

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

Wage Rate per Hour: **\$42.03**

Supplemental Benefit Rate per Hour: **\$41.07**

Supplemental Note: Supplemental benefits for overtime are paid at the appropriate overtime rate.

**Overtime Description**

Overtime would be time and one half the regular rate after a seven (7) or eight (8) hours workday, which would be set at the start of the job.

**Overtime**

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day  
Washington's Birthday  
Good Friday  
Memorial Day  
Independence Day  
Labor Day  
Columbus Day  
Presidential Election Day  
Thanksgiving Day  
Christmas Day

**Paid Holidays**

1/2 day on Christmas Eve if work is performed in the A.M.

1/2 day on New Year's Eve if work is performed in the A.M.

**Shift Rates**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

There shall be either two (2) or three (3) shifts, each shift shall be eight (8) hours with nine (9) hours pay, including one half (½) hour for lunch. Off-Hour Start shall commence after 3:30 P.M. and shall conclude by 6:00 A.M. The first consecutive seven (7) hours shall be at straight time with a differential of twelve dollars (\$12.00) per hour. Fringes shall be paid at the straight time rate.

(Local #46)

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## MILLWRIGHT

### Millwright

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

Wage Rate per Hour: **\$48.44**

Supplemental Benefit Rate per Hour: **\$50.52**

### Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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

### Overtime Holidays

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

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Presidential Election Day

Thanksgiving Day

Christmas Day

### Paid Holidays

1/2 day on Christmas Eve if work is performed in the A.M.

1/2 day on New Year's Eve if work is performed in the A.M.

### Shift Rates

The first shift shall receive the straight time rate of pay. The second shift receives the straight time rate of pay plus fifteen (15%) per cent. Members of the second shift shall be allowed one half hour to eat, with this time being included in the hours of the workday established. There must be a first shift to work a second shift. All additional hours worked shall be paid at the time and one-half rate of pay plus fifteen (15%) per cent for weekday hours.

(Local #740)



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

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## **MOSAIC MECHANIC**

### **Mosaic Mechanic - Mosaic & Terrazzo Mechanic**

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

Wage Rate per Hour: **\$45.23**

Supplemental Benefit Rate per Hour: **\$36.59**

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

### **Mosaic Mechanic - Mosaic & Terrazzo Finisher**

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

Wage Rate per Hour: **\$43.63**

Supplemental Benefit Rate per Hour: **\$36.57**

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

### **Mosaic Mechanic - Machine Operator Grinder**

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

Wage Rate per Hour: **\$43.63**

Supplemental Benefit Rate per Hour: **\$36.57**

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

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## **PAINTER**

### **Painter - Brush & Roller**

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

Wage Rate per Hour: **\$39.50**

Supplemental Benefit Rate per Hour: **\$26.12**

Supplemental Note: \$30.75 on overtime

### **Spray & Scaffold / Decorative / Sandblast**

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

Wage Rate per Hour: **\$42.50**

Supplemental Benefit Rate per Hour: **\$26.12**

Supplemental Note: \$30.75 on overtime

### **Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

### **Overtime Holidays**

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Thanksgiving Day

Christmas Day

### **Paid Holidays**

None

(District Council of Painters #9)

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## **PAINTER - SIGN**

### **Designer**

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

Wage Rate per Hour: **\$36.15**

Supplemental Benefit Rate per Hour: **\$9.66**

### **Journey person**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$33.62

Supplemental Benefit Rate per Hour: \$9.66

**Overtime**

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

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

**Paid Holidays**

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Election Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

**Shift Rates**

All work performed outside the regular 8 hour work day (either 7:00 A.M to 3:30 P.M or 8:00 A.M. to 4:30 P.M) shall be paid at time and one half the regular hourly rate.

(Local #8A-28A)

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**PAINTER - STRIPER**

**Striper (paint)**

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

Wage Rate per Hour: \$34.00

Supplemental Benefit Rate per Hour: \$12.60

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

**Lineperson (thermoplastic)**

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

Wage Rate per Hour: \$38.00

Supplemental Benefit Rate per Hour: \$12.60

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

**Overtime**

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

Time and one half the regular rate for Saturday.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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)

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## **PAINTER - STRUCTURAL STEEL**

### **Painters on Structural Steel**

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

Wage Rate per Hour: \$47.00

Supplemental Benefit Rate per Hour: \$33.58

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

Wage Rate per Hour: \$48.75

Supplemental Benefit Rate per Hour: \$34.58

### **Painter - Power Tool**

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

Wage Rate per Hour: \$53.00

Supplemental Benefit Rate per Hour: \$33.58

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

Wage Rate per Hour: **\$54.75**

Supplemental Benefit Rate per Hour: **\$34.58**

### Overtime Description

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

### Overtime

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

### Overtime Holidays

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

New Year's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day

### Paid Holidays

None

### Shift Rates

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

(Local #806)

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## PAPERHANGER

### Paperhanger

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

Wage Rate per Hour: **\$41.08**

Supplemental Benefit Rate per Hour: **\$29.23**

Supplemental Note: Supplemental benefits are to be paid at the appropriate straight time and overtime rate.

### Overtime

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

### Overtime Holidays

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

New Year's Day

President's Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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)

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**PAVER AND ROADBUILDER**

**Paver & Roadbuilder - Formsetter**

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

Wage Rate per Hour: **\$44.19**

Supplemental Benefit Rate per Hour: **\$35.15**

**Paver & Roadbuilder - Laborer**

Paving and road construction work, regardless of material used, including but not limited to preparation of job sites, removal of old surfaces, asphalt and/or concrete, by whatever method, including but not limited to milling; laying of concrete; laying of asphalt for temporary, patchwork, and utility paving (but not production paving); site preparation and incidental work before the installation of rubberized materials and similar surfaces; installation and repair of temporary construction fencing; slurry seal coating, maintenance of safety surfaces; play equipment installation, and other related work.

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

Wage Rate per Hour: **\$40.32**

Supplemental Benefit Rate per Hour: **\$35.15**

**Production Paver & Roadbuilder - Screed Person**

(Production paving is asphalt paving when using a paving machine or on a project where a paving machine is traditionally used)

Adjustment of paving machinery on production paving jobs.

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

Wage Rate per Hour: **\$45.24**

Supplemental Benefit Rate per Hour: **\$35.15**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

**Production Paver & Roadbuilder - Raker**

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

Wage Rate per Hour: **\$44.73**

Supplemental Benefit Rate per Hour: **\$35.15**

**Production Paver & Roadbuilder - Shoveler**

General laborer (except removal of surfaces - see Paver and Roadbuilder-Laborer) including but not limited to tamper, AC paint and liquid tar work.

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

Wage Rate per Hour: **\$41.44**

Supplemental Benefit Rate per Hour: **\$35.15**

**Overtime Description**

Veteran's Day is a Paid Holiday for employees working on production paving.

If an employee works New Year's Day or Christmas Day, they receive the single time rate plus 25%.

Employees who work on a holiday listed below receive the straight time rate plus one day's pay for the holiday.

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Paid Holidays**

Memorial Day

Independence Day

Labor Day

Presidential Election Day

Thanksgiving Day

**Shift Rates**

When two shifts are employed, the work period for each shift shall be a continuous eight (8) hours. When three shifts are employed, each shift will work seven and one half (7 ½) hours but will be paid for eight (8) hours since only one half (1/2) hour is allowed for meal time.

When two or more shifts are employed, single time will be paid for each shift.

Night Work - On night work, the first eight (8) hours of work will be paid for at the single time rate, except that production paving work shall be paid at 15% over the single time rate for the screed person, rakers and shovelers directly involved only. All other workers will be exempt. Hours worked over eight (8) hours during said shift shall be paid for at the time and one-half rate.

(Local #1010)

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OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**PLASTERER**

**Plasterer**

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

Wage Rate per Hour: \$42.43

Supplemental Benefit Rate per Hour: \$27.95

**Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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

**Overtime Holidays**

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

New Year's Day

Martin Luther King Jr. Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

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

(Local #530)

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**PLASTERER - TENDER**

**Plasterer - Tender**

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

Wage Rate per Hour: \$35.53

Supplemental Benefit Rate per Hour: \$26.31

### Overtime

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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

### Overtime Holidays

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

New Year's Day

Washington's Birthday

Memorial Day

Independence Day

Labor Day

Presidential Election Day

Thanksgiving Day

Christmas Day

### Paid Holidays

None

### Shift Rates

When work commences outside regular work hours, workers receive an hour additional (differential) wage and supplement payment. Eight hours pay for seven hours work or nine hours pay for eight hours work.

(Mason Tenders District Council)

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## PLUMBER

### Plumber

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

Wage Rate per Hour: \$65.27

Supplemental Benefit Rate per Hour: \$25.78

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

### Plumber - Temporary Services

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

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

Wage Rate per Hour: \$52.24

Supplemental Benefit Rate per Hour: \$20.20



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

### **Overtime Description**

Double time the regular rate after a 7 hour day - unless for new construction site work where the plumbing contract price is \$1.5 million or less, the hours of labor can be 8 hours per day at the employers option. On Alteration jobs when other mechanical trades at the site are working an eighth hour at straight time, then the plumber shall also work an eighth hour at straight time.

### **Overtime**

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

### **Overtime Holidays**

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

### **Shift Rates**

Shift work, when directly specified in public agency or authority documents where plumbing contract is \$8 million or less, will be permitted. 30% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shifts Monday to Friday. 50% shift premium shall be paid for wages and fringe benefits for 4:00 pm and midnight shift work performed on weekends. For shift work on holidays, double time wages and fringe benefits shall be paid.

(Plumbers Local #1)

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## **PLUMBER (MECHANICAL EQUIPMENT AND SERVICE)**

(Mechanical Equipment and Service work shall include any repair and/or replacement of the present plumbing system.)

### **Plumber**

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

Wage Rate per Hour: \$38.27

Supplemental Benefit Rate per Hour: \$12.84

### **Overtime**

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

**Overtime Holidays**

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

New Year's Day  
President's Day  
Memorial Day  
Independence Day  
Thanksgiving Day  
Day after Thanksgiving  
Christmas Day

**Paid Holidays**

None

(Plumbers Local # 1)

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**PLUMBER (RESIDENTIAL RATES FOR 1, 2 AND 3 FAMILY HOME  
CONSTRUCTION)**

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

Wage Rate per Hour: \$45.19

Supplemental Benefit Rate per Hour: \$18.79

**Overtime**

Double time the regular rate after an 8 hour day.  
Double time the regular time rate for Saturday.  
Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's 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.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

(Plumbers Local #1)

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**PLUMBER: PUMP & TANK**  
**Oil Trades (Installation and Maintenance)**

**Plumber - Pump & Tank**

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

Wage Rate per Hour: \$62.83

Supplemental Benefit Rate per Hour: \$21.37

**Overtime**

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

**Paid Holidays**

None

**Shift Rates**

All work outside the regular workday (8:00 A.M. to 3:30 P.M.) is to be paid at time and one half the regular hourly rate

(Plumbers Local #1)

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**POINTER - WATERPROOFER, CAULKER MECHANIC (EXTERIOR BUILDING RENOVATION)**

**Pointer - Waterproofer, Caulker Mechanic**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$47.41

Supplemental Benefit Rate per Hour: \$24.40

**Overtime**

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

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

**Overtime Holidays**

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

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Labor Day

Thanksgiving Day

Christmas Day

**Paid Holidays**

None

**Shift Rates**

All work outside the regular work day (an eight hour workday between the hours of 6:00 A.M. and 4:30 P.M.) is to be paid at time and one half the regular rate.

(Bricklayer District Council)

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**ROOFER**

**Roofer**

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

Wage Rate per Hour: \$40.70

Supplemental Benefit Rate per Hour: \$28.67

**Overtime**

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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)

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**SANDBLASTER - STEAMBLASTER  
(Exterior Building Renovation)**

**Sandblaster / Steamblaster**

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

Wage Rate per Hour: \$47.41

Supplemental Benefit Rate per Hour: \$24.40

**Overtime**

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

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

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

**Overtime Holidays**

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

New Year's Day  
Martin Luther King Jr. Day  
President's Day  
Memorial Day  
Independence Day  
Labor Day  
Thanksgiving Day  
Christmas Day

**Paid Holidays**

None

**Shift Rates**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

All work outside the regular work day (an eight hour workday between the hours of 6:00 A.M. and 4:30 P.M.) is to be paid at time and one half the regular rate.

(Bricklayer District Council)

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## **SHEET METAL WORKER**

### **Sheet Metal Worker**

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

Wage Rate per Hour: **\$46.21**

Supplemental Benefit Rate per Hour: **\$43.89**

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

### **Sheet Metal Worker - Fan Maintenance**

(The temporary operation of fans or blowers in new or existing buildings for heating and/or ventilation, and/or air conditioning prior to the completion of the project.)

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

Wage Rate per Hour: **\$36.97**

Supplemental Benefit Rate per Hour: **\$43.89**

### **Sheet Metal Worker - Duct Cleaner**

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

Wage Rate per Hour: **\$12.90**

Supplemental Benefit Rate per Hour: **\$8.07**

### **Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

### **Overtime Holidays**

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

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

**Paid Holidays**

None

**Shift Rates**

Work that can only be performed outside regular working hours (seven hours of work between 7:30 A.M. and 3:30 P.M.) - First shift (work between 3:30 P.M. and 11:30 P.M.) - 10% differential above the established hourly rate.  
Second shift (work between 11:30 P.M. and 7:30 A.M.) - 15% differential above the established hourly rate.

For Fan Maintenance: On all full shifts of fan maintenance work the straight time hourly rate of pay will be paid for each shift, including nights, Saturdays, Sundays, and holidays. No journey person engaged in fan maintenance shall work in excess of forty (40) hours in any work week.

(Local #28)

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**SHEET METAL WORKER - SPECIALTY  
(Decking & Siding)**

**Sheet Metal Specialty Worker**

The first worker to perform this work must be paid at the rate of the Sheet Metal Worker. The second and third workers shall be paid the Specialty Worker Rate. The ratio of One Sheet Metal Worker, then Two Specialty Workers shall be utilized thereafter.

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

Wage Rate per Hour: \$40.78

Supplemental Benefit Rate per Hour: \$23.38

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

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

Martin Luther King Jr. Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Christmas Day

**Paid Holidays**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

None

(Local #28)

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**SHIPYARD WORKER**

**Shipyard Mechanic - First Class**

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

Wage Rate per Hour: \$23.83

Supplemental Benefit Rate per Hour: \$2.87

**Shipyard Mechanic - Second Class**

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

Wage Rate per Hour: \$15.44

Supplemental Benefit Rate per Hour: \$2.54

**Shipyard Laborer - First Class**

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

Wage Rate per Hour: \$19.28

Supplemental Benefit Rate per Hour: \$2.69

**Shipyard Laborer - Second Class**

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

Wage Rate per Hour: \$12.36

Supplemental Benefit Rate per Hour: \$2.43

**Shipyard Dockhand - First Class**

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

Wage Rate per Hour: \$22.68

Supplemental Benefit Rate per Hour: \$2.82

**Shipyard Dockhand - Second Class**

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

Wage Rate per Hour: \$14.22

Supplemental Benefit Rate per Hour: \$2.50

**Overtime Description**

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**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

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**SIGN ERECTOR**

(Sheet Metal, Plastic, Electric, and Neon)

**Sign Erector**

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

Wage Rate per Hour: **\$44.20**

Supplemental Benefit Rate per Hour: **\$44.10**

**Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

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

**Paid Holidays**

New Year's Day

Washington's Birthday

Memorial Day

Independence Day

Labor Day

Columbus Day

Election Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

## 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)

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## STEAMFITTER

### Steamfitter I

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

Wage Rate per Hour: **\$53.25**

Supplemental Benefit Rate per Hour: **\$51.04**

Supplemental Note: Overtime supplemental benefit rate: **\$101.34**

### Overtime

Double time the regular rate after a 7 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

### Overtime Holidays

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

### Paid Holidays

None

### Shift Rates

Work performed between 3:30 P.M. and 7:00 A.M. and on Saturdays, Sundays and Holidays shall be at double time the regular hourly rate and paid at the overtime supplemental benefit rate above.

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### 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.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$53.25

Supplemental Benefit Rate per Hour: \$51.04

Supplemental Note: Overtime supplemental benefit rate: \$101.34

### Overtime

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

### Overtime Holidays

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

New Year's Day

President's Day

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

### Paid Holidays

None

### Shift Rates

May be performed outside of the regular workday except Saturday, Sunday and Holidays. A shift shall consist of eight working hours. All work performed in excess of eight hours shall be paid at double time. No shift shall commence after 7:00 P.M. on Friday or 7:00 P.M. the day before holidays. All work performed after 12:01 A.M. Saturday or 12:01 A.M. the day before a Holiday will be paid at double time. When shift work is performed the wage rate for regular time worked is a thirty percent premium together with fringe benefits.

On Transit Authority projects, where work is performed in the vicinity of tracks all shift work on weekends and holidays may be performed at the regular shift rates.

Local #638

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## STEAMFITTER - REFRIGERATION AND AIR CONDITIONER (Maintenance and Installation Service Person)

### Refrigeration and Air Conditioner Mechanic

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

Wage Rate per Hour: \$38.30

Supplemental Benefit Rate per Hour: \$12.76



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**Refrigeration and Air Conditioner Service Person V**

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

Wage Rate per Hour: \$31.47

Supplemental Benefit Rate per Hour: \$11.55

**Refrigeration and Air Conditioner Service Person IV**

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

Wage Rate per Hour: \$26.07

Supplemental Benefit Rate per Hour: \$10.52

**Refrigeration and Air Conditioner Service Person III**

Filter changing and maintenance thereof, oil and greasing, tower and coil cleaning, scraping and painting, general housekeeping, taking of water samples.

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

Wage Rate per Hour: \$22.38

Supplemental Benefit Rate per Hour: \$9.76

**Refrigeration and Air Conditioner Service Person II**

Filter changing and maintenance thereof, oil and greasing, tower and coil cleaning, scraping and painting, general housekeeping, taking of water samples.

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

Wage Rate per Hour: \$18.56

Supplemental Benefit Rate per Hour: \$9.06

**Refrigeration and Air Conditioner Service Person I**

Filter changing and maintenance thereof, oil and greasing, tower and coil cleaning, scraping and painting, general housekeeping, taking of water samples.

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

Wage Rate per Hour: \$13.57

Supplemental Benefit Rate per Hour: \$8.30

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

Independence Day

Labor Day

Veteran's Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

Thanksgiving Day  
Christmas Day

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

Martin Luther King Jr. Day  
President's Day  
Memorial Day  
Columbus Day

**Paid Holidays**

New Year's Day  
Martin Luther King Jr. Day  
President's Day  
Memorial Day  
Independence Day  
Labor Day  
Columbus Day  
Veteran's Day  
Thanksgiving Day  
Christmas Day

(Local #638B)

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**STONE MASON - SETTER**

**Stone Mason - Setters**

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

Wage Rate per Hour: \$46.56

Supplemental Benefit Rate per Hour: \$36.40

**Overtime**

Time and one half the regular rate after a 7 hour day.  
Time and one half the regular rate for Saturday.  
Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day  
Washington's Birthday  
Good Friday  
Memorial Day  
Independence Day  
Labor Day  
Thanksgiving Day  
Christmas Day

**Paid Holidays**

1/2 day on Christmas Eve if work is performed in the A.M.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

### 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)

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### TAPER

#### Drywall Taper

Effective Period: 7/1/2014 - 12/30/2014

Wage Rate per Hour: **\$45.32**

Supplemental Benefit Rate per Hour: **\$22.66**

Effective Period: 12/31/2014 - 6/30/2015

Wage Rate per Hour: **\$45.82**

Supplemental Benefit Rate per Hour: **\$22.66**

### Overtime

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

### Overtime Holidays

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

New Year's Day

Martin Luther King Jr. Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Thanksgiving Day

Christmas Day

### Paid Holidays

Any worker who reports to work on Christmas Eve or New Year's Eve pursuant to his employer's instruction shall be entitled to three (3) hours afternoon pay without working.

### Shift Rates

Time and one half the regular rate outside the regular work hours (8:00 A.M. through 3:30 P.M.)

(Local #1974)

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## **TELECOMMUNICATION WORKER (Voice Installation Only)**

### **Telecommunication Worker**

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

Wage Rate per Hour: **\$39.18**

Supplemental Benefit Rate per Hour: **\$13.19**

Supplemental Note: The above rate applies for Manhattan, Bronx, Brooklyn, Queens. \$12.64 for Staten Island only.

### **Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Time and one half the regular rate for Sunday.

### **Overtime Holidays**

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

New Year's Day

Lincoln's Birthday

Washington's Birthday

Memorial Day

Independence Day

Labor Day

Columbus Day

Election Day

Veteran's Day

Thanksgiving Day

Christmas Day

### **Paid Holidays**

New Year's Day

Lincoln's Birthday

Washington's Birthday

Memorial Day

Independence Day

Labor Day

Columbus Day

Election Day

Veteran's Day

Thanksgiving Day

Christmas Day

Employees have the option of observing either Martin Luther King's Birthday or the day after Thanksgiving instead of Lincoln's Birthday

### **Shift Rates**

For any workday that starts before 8A.M. or ends after 6P.M. there is a 10% differential for the applicable worker's hourly rate.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**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.)

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**TILE FINISHER**

**Tile Finisher**

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

Wage Rate per Hour: \$38.80

Supplemental Benefit Rate per Hour: \$28.03

**Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

**Paid Holidays**

None

**Shift Rates**

Off shift work day (work performed outside the regular 8:00 A.M. to 3:30 P.M. workday): shift differential of one and one quarter (1¼) times the regular straight time rate of pay for the seven hours of actual off-shift work.

(Local #7)

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**TILE LAYER - SETTER**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

**Tile Layer - Setter**

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

Wage Rate per Hour: \$49.88

Supplemental Benefit Rate per Hour: \$32.36

**Overtime**

Time and one half the regular rate after a 7 hour day.

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

**Overtime Holidays**

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

New Year's Day

President's Day

Good Friday

Memorial Day

Independence Day

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Day after Thanksgiving

Christmas Day

**Shift Rates**

Off shift work day (work performed outside the regular 8:00 A.M. to 3:30 P.M. workday): shift differential of one and one quarter (1¼) times the regular straight time rate of pay for the seven hours of actual off-shift work.

(Local #7)

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**TIMBERPERSON**

**Timberperson**

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

Wage Rate per Hour: \$44.33

Supplemental Benefit Rate per Hour: \$45.39

**Overtime**

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

Time and one half the regular rate for Saturday.

Double time the regular rate for Sunday.

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

Time and one half the regular hourly rate after 40 hours in any work week.

**Overtime Holidays**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

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

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

**Paid Holidays**

None

**Shift Rates**

Off shift work commencing between 5:00 P.M. and 11:00 P.M. shall work eight and one half hours allowing for one half hour for lunch. The wage rate shall be 113% of the straight time hourly wage rate.

(Local #1536)

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**TUNNEL WORKER**

**Blasters, Mucking Machine Operators (Compressed Air Rates)**

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

Wage Rate per Hour: \$54.20

Supplemental Benefit Rate per Hour: \$48.20

**Tunnel Workers (Compressed Air Rates)**

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

Wage Rate per Hour: \$52.31

Supplemental Benefit Rate per Hour: \$46.59

**Top Nipper (Compressed Air Rates)**

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

Wage Rate per Hour: \$51.35

Supplemental Benefit Rate per Hour: \$45.78

**Outside Lock Tender, Outside Gauge Tender, Muck Lock Tender (Compressed Air Rates)**

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

Wage Rate per Hour: \$50.42

Supplemental Benefit Rate per Hour: \$44.91



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 PREVAILING WAGE SCHEDULE

**Bottom Bell & Top Bell Signal Person: Shaft Person (Compressed Air Rates)**

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

Wage Rate per Hour: \$50.42

Supplemental Benefit Rate per Hour: \$44.92

**Changehouse Attendant: Powder Watchperson (Compressed Air Rates)**

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

Wage Rate per Hour: \$43.94

Supplemental Benefit Rate per Hour: \$42.55

**Blasters (Free Air Rates)**

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

Wage Rate per Hour: \$51.72

Supplemental Benefit Rate per Hour: \$46.03

**Tunnel Workers (Free Air Rates)**

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

Wage Rate per Hour: \$49.48

Supplemental Benefit Rate per Hour: \$44.06

**All Others (Free Air Rates)**

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

Wage Rate per Hour: \$45.73

Supplemental Benefit Rate per Hour: \$40.75

**Microtunneling (Free Air Rates)**

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

Wage Rate per Hour: \$39.58

Supplemental Benefit Rate per Hour: \$35.25

**Overtime Description**

For Repair-Maintenance Work on Existing Equipment and Facilities - Time and one half the regular rate after a 7 hour day, or for Saturday, or for Sunday. Double time the regular rate for work on a holiday.

For Small-Bore Micro Tunneling Machines - Time and one-half the regular rate shall be paid for all overtime.

**Overtime**

Double time the regular rate after an 8 hour day.

Double time the regular time rate for Saturday.

Double time the regular rate for Sunday.

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

**Paid Holidays**

New Year's Day



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 PREVAILING WAGE SCHEDULE

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)

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**WELDER**  
**TO BE PAID AT THE RATE OF THE JOURNEYPERSON IN THE TRADE**  
**PERFORMING THE WORK.**



**OFFICE OF THE COMPTROLLER**

**CITY OF NEW YORK**

**220 APPRENTICESHIP PREVAILING WAGE SCHEDULE**

**APPENDIX**

Pursuant to Labor Law §220 (3-e), only apprentices who are individually registered in a bona fide program to which the employer contractor is a participant and registered with the New York State Department of Labor, may be employed on a public work project.

Any employee listed on a payroll at an apprentice wage rate, who is not registered as above, shall be paid the journey person wage rate for the classification of work he actually performed.

Apprentice ratios are established to ensure the proper safety, training and supervision of apprentices. A ratio establishes the number of journey workers required for each apprentice in a program and on a job site. Ratios are interpreted as follows: in the case of a 1:1, 1:4 ratio, there must be one journey worker for the first apprentice, and four additional journey workers for each subsequent apprentice.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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## **ASBESTOS HANDLER**

(Ratio of Apprentice Journeyperson: 1 to 1, 1 to 3)

### **Asbestos Handler (First 1000 Hours)**

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

Wage Rate Per Hour: 78% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$15.45

### **Asbestos Handler (Second 1000 Hours)**

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

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$15.45

### **Asbestos Handler (Third 1000 Hours)**

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

Wage Rate Per Hour: 83% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$15.45

### **Asbestos Handler (Fourth 1000 Hours)**

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

Wage Rate Per Hour: 89% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$15.45

(Local #78)

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## **BOILERMAKER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

### **Boilermaker (First Year)**

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

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$29.74

### **Boilermaker (Second Year: 1st Six Months)**

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

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$31.40



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

**Boilermaker (Second Year: 2nd Six Months)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 75% of Journeyperson's rate  
Supplemental Benefit Rate Per Hour: \$33.05

**Boilermaker (Third Year: 1st Six Months)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 80% of Journeyperson's rat  
Supplemental Benefit Rate Per Hour: \$34.69

**Boilermaker (Third Year: 2nd Six Months)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 85% of Journeyperson's rate  
Supplemental Benefit Rate Per Hour: \$36.34

**Boilermaker (Fourth Year: 1st Six Months)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 90% of Journeyperson's rate  
Supplemental Benefit Rate Per Hour: \$38.00

**Boilermaker (Fourth Year: 2nd Six Months)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 95% of Journeyperson's rate  
Supplemental Benefit Rate Per Hour: \$39.65

(Local #5)

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**BRICKLAYER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

**Bricklayer (First 750 Hours)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 50% of Journeyperson's rate  
Supplemental Benefit Rate Per Hour: \$17.10

**Bricklayer (Second 750 Hours)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 60% of Journeyperson's rate



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

Supplemental Benefit Rate Per Hour: \$17.10

**Bricklayer (Third 750 Hours)**

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

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$17.10

**Bricklayer (Fourth 750 Hours)**

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

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$17.10

**Bricklayer (Fifth 750 Hours)**

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

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$17.10

**Bricklayer (Sixth 750 Hours)**

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

Wage Rate Per Hour: 95% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$17.10

(Bricklayer District Council)

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**CARPENTER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

**Carpenter (First Year)**

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

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$30.25

**Carpenter (Second Year)**

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

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$30.25

**Carpenter (Third Year)**

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

Wage Rate Per Hour: 65% of Journeyperson's rate  
Supplemental Benefit Rate Per Hour: \$30.25

**Carpenter (Fourth Year)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 80% of Journeyperson's rate  
Supplemental Benefit Rate Per Hour: \$30.25

(Carpenters District Council)

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**CEMENT MASON**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

**Cement Mason (First Year)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage and Supplemental Rate Per Hour: 50% of Journeyperson's Rate

**Cement Mason (Second Year)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage and Supplemental Rate Per Hour: 60% of Journeyperson's Rate

**Cement Mason (Third Year)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage and Supplemental Rate Per Hour: 70% of Journeyperson's Rate

(Local #780)

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**CEMENT AND CONCRETE WORKER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Cement & Concrete Worker (0 - 500 hours)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 50% of Journeyperson's rate  
Supplemental Benefit Rate Per Hour: \$18.04

**Cement & Concrete Worker (501 - 1000 hours)**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$18.87

**Cement & Concrete Worker (1001 - 2000 hours)**

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

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$24.25

**Cement & Concrete Worker (2001 - 4000 hours)**

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

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$25.07

(Cement Concrete Workers District Council)

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**DERRICKPERSON & RIGGER (STONE)**

**(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)**

**Derrickperson & Rigger (stone) - First Year**

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

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 50% of Journeyperson's rate

**Derrickperson & Rigger (stone) - Second Year: 1st Six Months**

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

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

**Derrickperson & Rigger (stone) - Second Year: 2nd Six Months**

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

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate

**Derrickperson & Rigger (stone) - Third Year**

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

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: 75% of Journeyperson's rate



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

(Local #197)

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**DOCKBUILDER/PILE DRIVER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 6)

**Dockbuilder/Pile Driver (First Year)**

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

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$31.26

**Dockbuilder/Pile Driver (Second Year)**

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

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$31.26

**Dockbuilder/Pile Driver (Third Year)**

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

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$31.26

**Dockbuilder/Pile Driver (Fourth Year)**

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

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Benefit Rate Per Hour: \$31.26

(Carpenters District Council)

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**ELECTRICIAN**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Electrician (First Term: 0-6 Months)**

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

Wage Rate per Hour: \$12.50

Supplemental Benefit Rate per Hour: \$11.10

Overtime Supplemental Rate Per Hour: \$11.93



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$13.00

Supplemental Benefit Rate per Hour: \$11.61

Overtime Supplemental Rate Per Hour: \$12.47

**Electrician (First Term: 7-12 Months)**

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

Wage Rate per Hour: \$13.50

Supplemental Benefit Rate per Hour: \$11.62

Overtime Supplemental Rate Per Hour: \$12.51

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

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$12.12

Overtime Supplemental Rate Per Hour: \$13.04

**Electrician (Second Term: 0-6 Months)**

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

Wage Rate per Hour: \$14.50

Supplemental Benefit Rate per Hour: \$12.13

Overtime Supplemental Rate Per Hour: \$13.08

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

Wage Rate per Hour: \$15.00

Supplemental Benefit Rate per Hour: \$12.63

Overtime Supplemental Rate Per Hour: \$13.62

**Electrician (Second Term: 7-12 Months)**

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

Wage Rate per Hour: \$15.50

Supplemental Benefit Rate per Hour: \$12.64

Overtime Supplemental Rate Per Hour: \$13.66

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

Wage Rate per Hour: \$16.00

Supplemental Benefit Rate per Hour: \$13.14

Overtime Supplemental Rate Per Hour: \$14.19

**Electrician (Third Term: 0-6 Months)**

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

Wage Rate per Hour: \$16.50

Supplemental Benefit Rate per Hour: \$13.15

Overtime Supplemental Rate Per Hour: \$14.23

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

Wage Rate per Hour: \$17.00



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

Supplemental Benefit Rate per Hour: \$13.65  
Overtime Supplemental Rate Per Hour: \$14.77

**Electrician (Third Term: 7-12 Months)**

Effective Period: 7/1/2014 - 5/12/2015  
Wage Rate per Hour: \$17.50  
Supplemental Benefit Rate per Hour: \$13.65  
Overtime Supplemental Rate Per Hour: \$14.81

Effective Period: 5/13/2015 - 6/30/2015  
Wage Rate per Hour: \$18.00  
Supplemental Benefit Rate per Hour: \$14.16  
Overtime Supplemental Rate Per Hour: \$15.34

**Electrician (Fourth Term: 0-6 Months)**

Effective Period: 7/1/2014 - 5/12/2015  
Wage Rate per Hour: \$18.50  
Supplemental Benefit Rate per Hour: \$14.16  
Overtime Supplemental Rate Per Hour: \$15.38

Effective Period: 5/13/2015 - 6/30/2015  
Wage Rate per Hour: \$19.00  
Supplemental Benefit Rate per Hour: \$14.67  
Overtime Supplemental Rate Per Hour: \$15.92

**Electrician (Fourth Term: 7-12 Months)**

Effective Period: 7/1/2014 - 5/12/2015  
Wage Rate per Hour: \$20.50  
Supplemental Benefit Rate per Hour: \$15.18  
Overtime Supplemental Rate Per Hour: \$16.53

Effective Period: 5/13/2015 - 6/30/2015  
Wage Rate per Hour: \$21.00  
Supplemental Benefit Rate per Hour: \$15.68  
Overtime Supplemental Rate Per Hour: \$17.07

**Electrician (Fifth Term: 0-12 Months - Hired on or after 5/10/07)**

Effective Period: 7/1/2014 - 5/12/2015  
Wage Rate per Hour: \$22.50  
Supplemental Benefit Rate per Hour: \$18.06  
Overtime Supplemental Rate Per Hour: \$19.47

Effective Period: 5/13/2015 - 6/30/2015  
Wage Rate per Hour: \$23.00  
Supplemental Benefit Rate per Hour: \$18.56  
Overtime Supplemental Rate Per Hour: \$20.00



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

**Electrician (Fifth Term: 13-18 Months - Hired on or after 5/10/07)**

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

Wage Rate per Hour: \$27.00

Supplemental Benefit Rate per Hour: \$20.32

Overtime Supplemental Rate Per Hour: \$22.01

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

Wage Rate per Hour: \$27.50

Supplemental Benefit Rate per Hour: \$20.82

Overtime Supplemental Rate Per Hour: \$22.54

**Electrician (Fifth Term: 0-18 Months - Hired before 5/10/07)**

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

Wage Rate per Hour: \$26.30

Supplemental Benefit Rate per Hour: \$19.96

Overtime Supplemental Rate Per Hour: \$21.61

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

Wage Rate per Hour: \$26.80

Supplemental Benefit Rate per Hour: \$20.46

Overtime Supplemental Rate Per Hour: \$22.14

**Overtime Description**

Overtime Wage paid at time and one half the regular rate

For "A" rated Apprentices (work in excess of 7 hours per day)

For "M" rated Apprentices (work in excess of 8 hours per day)

(Local #3)

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**ELEVATOR CONSTRUCTOR**

**(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)**

**Elevator (Constructor) - First Year**

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

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$25.46

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

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$26.94



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

**Elevator (Constructor) - Second Year**

Effective Period: 7/1/2014 - 3/16/2015  
Wage Rate Per Hour: 55% of Journeyperson's rate  
Supplemental Rate Per Hour: \$25.86

Effective Period: 3/17/2015 - 6/30/2015  
Wage Rate Per Hour: 55% of Journeyperson's rate  
Supplemental Rate Per Hour: \$27.35

**Elevator (Constructor) - Third Year**

Effective Period: 7/1/2014 - 3/16/2015  
Wage Rate Per Hour: 65% of Journeyperson's rate  
Supplemental Rate Per Hour: \$26.66

Effective Period: 3/17/2015 - 6/30/2015  
Wage Rate Per Hour: 65% of Journeyperson's rate  
Supplemental Rate Per Hour: \$28.17

**Elevator (Constructor) - Fourth Year**

Effective Period: 7/1/2014 - 3/16/2015  
Wage Rate Per Hour: 75% of Journeyperson's rate  
Supplemental Rate Per Hour: \$27.46

Effective Period: 3/17/2015 - 6/30/2015  
Wage Rate Per Hour: 75% of Journeyperson's rate  
Supplemental Rate Per Hour: \$29.00

(Local #1)

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**ELEVATOR REPAIR & MAINTENANCE**

**(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)**

**Elevator Service/Modernization Mechanic (First Year)**

Effective Period: 7/1/2014 - 3/16/2015  
Wage Rate Per Hour: 50% of Journeyperson's rate  
Supplemental Benefit Per Hour: \$24.85

Effective Period: 3/17/2015 - 6/30/2015  
Wage Rate Per Hour: 50% of Journeyperson's rate  
Supplemental Benefit Per Hour: \$26.87

**Elevator Service/Modernization Mechanic (Second Year)**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Benefit Per Hour: \$25.24

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

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Benefit Per Hour: \$27.27

**Elevator Service/Modernization Mechanic (Third Year)**

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

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Per Hour: \$26.02

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

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.08

**Elevator Service/Modernization Mechanic (Fourth Year)**

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

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Per Hour: \$26.81

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

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Benefit Per Hour: \$28.89

(Local #1)

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**ENGINEER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 5)

**Engineer - First Year**

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

Wage Rate per Hour: \$22.49

Supplemental Benefit Rate per Hour: \$20.68

**Engineer - Second Year**

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

Wage Rate per Hour: \$28.11

Supplemental Benefit Rate per Hour: \$20.68

**Engineer - Third Year**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$20.92

Supplemental Benefit Rate per Hour: \$20.68

**Engineer - Fourth Year**

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

Wage Rate per Hour: \$33.73

Supplemental Benefit Rate per Hour: \$20.68

(Local #15)

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**ENGINEER - OPERATING**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 5)

**Operating Engineer - First Year**

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

Wage Rate Per Hour 40% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$18.60

**Operating Engineer - Second Year**

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

Wage Rate Per Hour: 50% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$18.60

**Operating Engineer - Third Year**

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

Wage Rate Per Hour: 60% of Journeyperson's Rate

Supplemental Benefit Per Hour: \$18.60

(Local #14)

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**FLOOR COVERER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

**Floor Coverer (First Year)**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.25

**Floor Coverer (Second Year)**

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

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.25

**Floor Coverer (Third Year)**

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

Wage Rate Per Hour: 65% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.25

**Floor Coverer (Fourth Year)**

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

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: \$30.25

(Carpenters District Council)

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**GLAZIER**

**(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)**

**Glazier (First Year)**

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

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$12.97

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

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$13.12

**Glazier (Second Year)**

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

Wage Rate Per Hour: 50% of Journeyperson's rate

Supplemental Rate Per Hour: \$22.25

**Glazier (Third Year)**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

Effective Period: 7/1/2014 - 10/31/2014  
Wage Rate Per Hour: 60% of Journeyperson's rate  
Supplemental Rate Per Hour: \$24.75

Effective Period: 11/1/2014 - 6/30/2015  
Wage Rate Per Hour: 60% of Journeyperson's rate  
Supplemental Rate Per Hour: \$25.10

**Glazier (Fourth Year)**

Effective Period: 7/1/2014 - 10/31/2014  
Wage Rate Per Hour: 80% of Journeyperson's rate  
Supplemental Rate Per Hour: \$29.87

Effective Period: 11/1/2014 - 6/30/2015  
Wage Rate Per Hour: 80% of Journeyperson's rate  
Supplemental Rate Per Hour: \$30.02

(Local #1281)

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**HEAT & FROST INSULATOR**  
(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

**Heat & Frost Insulator (First Year)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

**Heat & Frost Insulator (Second Year)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

**Heat & Frost Insulator (Third Year)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage and Supplemental Rate Per Hour: 70% of Journeyperson's rate

**Heat & Frost Insulator (Fourth Year)**

Effective Period: 7/1/2014 - 6/30/2015  
Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

(Local #12)



**HOUSE WRECKER  
(TOTAL DEMOLITION)  
(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)**

**House Wrecker - First Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$20.52  
Supplemental Benefit Rate per Hour: \$16.60

**House Wrecker - Second Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$21.67  
Supplemental Benefit Rate per Hour: \$16.60

**House Wrecker - Third Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$23.27  
Supplemental Benefit Rate per Hour: \$16.60

**House Wrecker - Fourth Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$25.83  
Supplemental Benefit Rate per Hour: \$16.60

(Mason Tenders District Council)

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**IRON WORKER - ORNAMENTAL  
(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)**

**Iron Worker (Ornamental) - 1st Ten Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 50% of Journeyperson's rate  
Supplemental Rate Per Hour: \$35.15

**Iron Worker (Ornamental) - 11 -16 Months**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 55% of Journeyman's rate  
Supplemental Rate Per Hour: \$36.21

**Iron Worker (Ornamental) - 17 - 22 Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 60% of Journeyman's rate  
Supplemental Rate Per Hour: \$37.27

**Iron Worker (Ornamental) - 23 - 28 Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 70% of Journeyman's rate  
Supplemental Rate Per Hour: \$39.40

**Iron Worker (Ornamental) - 29 - 36 Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 80% of Journeyman's rate  
Supplemental Rate Per Hour: \$41.52

(Local #580)

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**IRON WORKER - STRUCTURAL**  
**(Ratio of Apprentice to Journeyman: 1 to 1, 1 to 6)**

**Iron Worker (Structural) - 1st Six Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$24.98  
Supplemental Benefit Rate per Hour: \$45.53

**Iron Worker (Structural) - 7- 18 Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$25.58  
Supplemental Benefit Rate per Hour: \$45.53

**Iron Worker (Structural) - 19 - 36 months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate per Hour: \$26.18  
Supplemental Benefit Rate per Hour: \$45.53



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

(Local #40 and #361)

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**LABORER (FOUNDATION, CONCRETE, EXCAVATING, STREET PIPE LAYER & COMMON)**

**(Ratio Apprentice to Journeyman: 1 to 1, 1 to 3)**

**Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - First 1000 hours**

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

Wage Rate Per Hour: 50% of Journeyman's rate

Supplemental Rate Per Hour: \$34.88

**Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Second 1000 hours**

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

Wage Rate Per Hour: 60% of Journeyman's rate

Supplemental Rate Per Hour: \$34.88

**Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Third 1000 hours**

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

Wage Rate Per Hour: 75% of Journeyman's rate

Supplemental Rate Per Hour: \$34.88

**Laborer (Foundation, Concrete, Excavating, Street Pipe Layer & Common) - Fourth 1000 hours**

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

Wage Rate Per Hour: 90% of Journeyman's rate

Supplemental Rate Per Hour: \$34.88

(Local #731)

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**MARBLE MECHANICS**

**(Ratio of Apprentice to Journeyman: 1 to 1, 1 to 4)**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

**Cutters & Setters - First 750 Hours**

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

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

NO BENEFITS PAID DURING THE FIRST TWO MONTHS (PROBATIONARY PERIOD)

**Cutters & Setters - Second 750 Hours**

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

Wage and Supplemental Rate Per Hour: 55% of Journeyperson's rate

**Cutters & Setters - Third 750 Hours**

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

Wage and Supplemental Rate Per Hour: 65% of Journeyperson's rate

**Cutters & Setters - Fourth 750 Hours**

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

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

**Cutters & Setters - Fifth 750 Hours**

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

Wage and Supplemental Rate Per Hour: 85% of Journeyperson's rate

**Cutters & Setters - Sixth 750 Hours**

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

Wage and Supplemental Rate Per Hour: 95% of Journeyperson's rate

**Polishers & Finishers - First 750 Hours**

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

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's rate

NO BENEFITS PAID DURING THE FIRST TWO MONTHS (PROBATIONARY PERIOD)

**Polishers & Finishers - Second 750 Hours**

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

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

**Polishers & Finishers - Third 750 Hours**

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

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's rate

**Polishers & Finishers - Fourth 750 Hours**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage and Supplemental Rate Per Hour: 90% of Journeyperson's rate

(Local #7)

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**MASON TENDER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Mason Tender - First Year**

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

Wage Rate per Hour: \$20.99

Supplemental Benefit Rate per Hour: \$17.86

**Mason Tender - Second Year**

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

Wage Rate per Hour: \$22.14

Supplemental Benefit Rate per Hour: \$17.86

**Mason Tender - Third Year**

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

Wage Rate per Hour: \$23.84

Supplemental Benefit Rate per Hour: \$17.86

**Mason Tender - Fourth Year**

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

Wage Rate per Hour: \$26.50

Supplemental Benefit Rate per Hour: \$17.86

(Local #79)

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**METALLIC LATHER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Metallic Lather (First Year -Called Prior to 6/29/11)**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$28.11

Supplemental Benefit Rate per Hour: \$22.79

**Metallic Lather (Second Year - Called Prior to 6/29/11)**

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

Wage Rate per Hour: \$32.71

Supplemental Benefit Rate per Hour: \$24.44

**Metallic Lather (Third Year - Called Prior to 6/29/11)**

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

Wage Rate per Hour: \$37.77

Supplemental Benefit Rate per Hour: \$25.59

**Metallic Lather (First Year -Called On Or After 6/29/11)**

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

Wage Rate per Hour: \$17.71

Supplemental Benefit Rate per Hour: \$19.85

**Metallic Lather (Second Year - Called On Or After 6/29/11)**

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

Wage Rate per Hour: \$22.81

Supplemental Benefit Rate per Hour: \$19.85

**Metallic Lather (Third Year - Called On Or After 6/29/11)**

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

Wage Rate per Hour: \$27.91

Supplemental Benefit Rate per Hour: \$19.85

(Local #46)

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**MILLWRIGHT**

**(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)**

**Millwright (First Year)**

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

Wage Rate per Hour: \$26.64



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

Supplemental Benefit Rate per Hour: \$32.84

**Millwright (Second Year)**

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

Wage Rate per Hour: \$31.49

Supplemental Benefit Rate per Hour: \$36.18

**Millwright (Third Year)**

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

Wage Rate per Hour: \$36.33

Supplemental Benefit Rate per Hour: \$40.66

**Millwright (Fourth Year)**

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

Wage Rate per Hour: \$46.02

Supplemental Benefit Rate per Hour: \$46.24

(Local #740)

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**PAVER AND ROADBUILDER**

**(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)**

**Paver and Roadbuilder - First Year (Minimum 1000 hours)**

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

Wage Rate per Hour: \$26.61

Supplemental Benefit Rate per Hour: \$16.50

**Paver and Roadbuilder - Second Year (Minimum 1000 hours)**

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

Wage Rate per Hour: \$28.22

Supplemental Benefit Rate per Hour: \$16.50

(Local #1010)

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OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

**PAINTER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Painter - Brush & Roller - First Year**

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

Wage Rate per Hour: \$15.80

Supplemental Benefit Rate per Hour: \$11.88

**Painter - Brush & Roller - Second Year**

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

Wage Rate per Hour: \$19.75

Supplemental Benefit Rate per Hour: \$15.73

**Painter - Brush & Roller - Third Year**

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

Wage Rate per Hour: \$23.70

Supplemental Benefit Rate per Hour: \$18.64

**Painter - Brush & Roller - Fourth Year**

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

Wage Rate per Hour: \$31.60

Supplemental Benefit Rate per Hour: \$24.02

(District Council of Painters)

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**PAINTER - STRUCTURAL STEEL**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Painters - Structural Steel (First Year)**

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

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

**Painters - Structural Steel (Second Year)**

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

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

**Painters - Structural Steel (Third Year)**

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

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate

(Local #806)

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**PLASTERER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Plasterer - First Year: 1st Six Months**

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

Wage Rate Per Hour: 40% of Journeyperson's rate

Supplemental Rate Per Hour: \$15.76

**Plasterer - First Year: 2nd Six Months**

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

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$16.24

**Plasterer - Second Year: 1st Six Months**

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

Wage Rate Per Hour: 55% of Journeyperson's rate

Supplemental Rate Per Hour: \$18.21

**Plasterer - Second Year: 2nd Six Months**

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

Wage Rate Per Hour: 60% of Journeyperson's rate

Supplemental Rate Per Hour: \$19.29

**Plasterer - Third Year: 1st Six Months**

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

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: \$21.46

**Plasterer - Third Year: 2nd Six Months**

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

Wage Rate Per Hour: 75% of Journeyperson's rate

Supplemental Rate Per Hour: \$22.54



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

(Local #530)

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**PLUMBER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Plumber - First Year: 1st Six Months**

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

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$0.71

**Plumber - First Year: 2nd Six Months**

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

Wage Rate per Hour: \$14.00

Supplemental Benefit Rate per Hour: \$2.96

**Plumber - Second Year**

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

Wage Rate per Hour: \$23.87

Supplemental Benefit Rate per Hour: \$11.46

**Plumber - Third Year**

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

Wage Rate per Hour: \$25.97

Supplemental Benefit Rate per Hour: \$11.46

**Plumber - Fourth Year**

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

Wage Rate per Hour: \$28.82

Supplemental Benefit Rate per Hour: \$11.46

**Plumber - Fifth Year: 1st Six Months**

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

Wage Rate per Hour: \$30.22

Supplemental Benefit Rate per Hour: \$11.46

**Plumber - Fifth Year: 2nd Six Months**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$42.29

Supplemental Benefit Rate per Hour: \$11.46

(Plumbers Local #1)

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**POINTER - WATERPROOFER, CAULKER MECHANIC (EXTERIOR BUILDING  
RENOVATION)**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

**Pointer - Waterproofer, Caulker Mechanic - First Year**

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

Wage Rate per Hour: \$25.01

Supplemental Benefit Rate per Hour: \$4.75

**Pointer - Waterproofer, Caulker Mechanic - Second Year**

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

Wage Rate per Hour: \$27.25

Supplemental Benefit Rate per Hour: \$9.70

**Pointer - Waterproofer, Caulker Mechanic - Third Year**

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

Wage Rate per Hour: \$32.24

Supplemental Benefit Rate per Hour: \$12.45

**Pointer - Waterproofer, Caulker Mechanic - Fourth Year**

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

Wage Rate per Hour: \$38.66

Supplemental Benefit Rate per Hour: \$12.45

(Bricklayer District Council)

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**ROOFER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 2)



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

**Roofer - First Year**

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

Wage and Supplemental Rate Per Hour: 35% of Journeyperson's Rate

**Roofer - Second Year**

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

Wage and Supplemental Rate Per Hour: 50% of Journeyperson's Rate

**Roofer - Third Year**

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

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's Rate

**Roofer - Fourth Year**

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

Wage and Supplemental Rate Per Hour: 75% of Journeyperson's Rate

(Local #8)

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**SHEET METAL WORKER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 3)

**Sheet Metal Worker (0-6 Months)**

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

Wage Rate Per Hour: 25% of Journeyperson's rate

Supplemental Rate Per Hour: \$6.15

**Sheet Metal Worker (7-18 Months)**

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

Wage Rate Per Hour: 35% of Journeyperson's rate

Supplemental Rate Per Hour: \$16.21

**Sheet Metal Worker (19-30 Months)**

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

Wage Rate Per Hour: 45% of Journeyperson's rate

Supplemental Rate Per Hour: \$22.23

**Sheet Metal Worker (31-36 Months)**



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§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

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

Wage Rate Per Hour: 55% of Journeyman's rate

Supplemental Rate Per Hour: \$26.16

**Sheet Metal Worker (37-42 Months)**

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

Wage Rate Per Hour: 60% of Journeyman's rate

Supplemental Rate Per Hour: \$28.13

**Sheet Metal Worker (43-48 Months)**

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

Wage Rate Per Hour: 70% of Journeyman's rate

Supplemental Rate Per Hour: \$32.09

**Sheet Metal Worker (49-54 Months)**

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

Wage Rate Per Hour: 75% of Journeyman's rate

Supplemental Rate Per Hour: \$34.07

**Sheet Metal Worker (55-60 Months)**

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

Wage Rate Per Hour: 80% of Journeyman's rate

Supplemental Rate Per Hour: \$36.03

(Local #28)

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**SIGN ERECTOR**

(Ratio of Apprentice to Journeyman: 1 to 1, 1 to 4)

**Sign Erector - First Year: 1st Six Months**

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

Wage Rate Per Hour: 35% of Journeyman's rate

Supplemental Rate Per Hour: \$5.96

**Sign Erector - First Year: 2nd Six Months**

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

Wage Rate Per Hour: 40% of Journeyman's rate

Supplemental Rate Per Hour: \$6.75

**Sign Erector - Second Year: 1st Six Months**



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\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 45% of Journeyman's rate  
Supplemental Rate Per Hour: \$7.55

**Sign Erector - Second Year: 2nd Six Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 50% of Journeyman's rate  
Supplemental Rate Per Hour: \$8.34

**Sign Erector - Third Year: 1st Six Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 55% of Journeyman's rate  
Supplemental Rate Per Hour: \$9.13

**Sign Erector - Third Year: 2nd Six Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 60% of Journeyman's rate  
Supplemental Rate Per Hour: \$9.92

**Sign Erector - Fourth Year: 1st Six Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 65% of Journeyman's rate  
Supplemental Rate Per Hour: \$10.72

**Sign Erector - Fourth Year: 2nd Six Months**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 70% of Journeyman's rate  
Supplemental Rate Per Hour: \$11.51

**Sign Erector - Fifth Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 75% of Journeyman's rate  
Supplemental Rate Per Hour: \$12.30

**Sign Erector - Sixth Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 80% of Journeyman's rate  
Supplemental Rate Per Hour: \$12.30

(Local #137)



## **STEAMFITTER**

(Ratio of Apprentice to Journeyman: 1 to 1, 1 to 3)

### **Steamfitter - First Year**

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

Wage Rate and Supplemental Per Hour: 40% of Journeyman's rate

### **Steamfitter - Second Year**

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

Wage Rate and Supplemental Rate Per Hour: 50% of Journeyman's rate.

### **Steamfitter - Third Year**

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

Wage Rate and Supplemental Rate per Hour: 65% of Journeyman's rate.

### **Steamfitter - Fourth Year**

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

Wage Rate and Supplemental Rate Per Hour: 80% of Journeyman's rate.

### **Steamfitter - Fifth Year**

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

Wage Rate and Supplemental Rate Per Hour: 85% of Journeyman's rate.

(Local #638)

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## **STONE MASON - SETTER**

(Ratio Apprentice of Journeyman: 1 to 1, 1 to 2)

### **Stone Mason - Setters - First 750 Hours**

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

Wage and Supplemental Rate Per Hour: 50% of Journeyman's rate

### **Stone Mason - Setters - Second 750 Hours**

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

Wage Rate Per Hour: 60% of Journeyman's rate



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

Supplemental Rate Per Hour: 50% of Journeyperson's rate

**Stone Mason - Setters - Third 750 Hours**

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

Wage Rate Per Hour: 70% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

**Stone Mason - Setters - Fourth 750 Hours**

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

Wage Rate Per Hour: 80% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

**Stone Mason - Setters - Fifth 750 Hours**

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

Wage Rate Per Hour: 90% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

**Stone Mason - Setters - Sixth 750 Hours**

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

Wage Rate Per Hour: 100% of Journeyperson's rate

Supplemental Rate Per Hour: 50% of Journeyperson's rate

(Bricklayers District Council)

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**TAPER**

(Ratio of Apprentice to Journeyperson: 1 to 1, 1 to 4)

**Drywall Taper - First Year**

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

Wage and Supplemental Rate Per Hour: 40% of Journeyperson's rate

**Drywall Taper - Second Year**

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

Wage and Supplemental Rate Per Hour: 60% of Journeyperson's rate

**Drywall Taper - Third Year**

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

Wage and Supplemental Rate Per Hour: 80% of Journeyperson's rate



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

(Local #1974)

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**TILE LAYER - SETTER**

(Ratio of Apprentice to Journeyman: 1 to 1, 1 to 4)

**Tile Layer - Setter - First 750 Hours**

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

Wage and Supplemental Rate Per Hour: 50% of Journeyman's rate

**Tile Layer - Setter - Second 750 Hours**

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

Wage and Supplemental Rate Per Hour: 55% of Journeyman's rate

**Tile Layer - Setter - Third 750 Hours**

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

Wage and Supplemental Rate Per Hour: 65% of Journeyman's rate

**Tile Layer - Setter - Fourth 750 Hours**

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

Wage and Supplemental Rate Per Hour: 75% of Journeyman's rate

**Tile Layer - Setter - Fifth 750 Hours**

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

Wage and Supplemental Rate Per Hour: 85% of Journeyman's rate

**Tile Layer - Setter - Sixth 750 Hours**

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

Wage and Supplemental Rate Per Hour: 95% of Journeyman's rate

(Local #7)

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**TIMBERPERSON**

(Ratio of Apprentice to Journeyman: 1 to 1, 1 to 6)



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
\$220 APPRENTICESHIP PREVAILING WAGE SCHEDULE

**Timberperson - First Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 40% of Journeyperson's rate  
Supplemental Rate Per Hour: \$30.89

**Timberperson - Second Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 50% of Journeyperson's rate  
Supplemental Rate Per Hour: \$30.89

**Timberperson - Third Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 65% of Journeyperson's rate  
Supplemental Rate Per Hour: \$30.89

**Timberperson - Fourth Year**

Effective Period: 7/1/2014 - 6/30/2015  
Wage Rate Per Hour: 80% of Journeyperson's rate  
Supplemental Rate Per Hour: \$30.89

(Local #1536)



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§6-109 PREVAILING WAGE SCHEDULE

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**NYC ADMINISTRATIVE CODE § 6-109 SCHEDULE OF "LIVING WAGES"**

Contractors who provide the following services to the City of New York must post a copy of this Living Wage Schedule at their work site(s) as required by New York City Administrative Code § 6-109:

- Building Services,
- Day Care Services,
- Food Services,
- Head Start Services,
- Homecare Services,
- Services to Persons with Cerebral Palsy, and
- Temporary Services.

In accordance with NYC Administrative Code § 6-109, the Comptroller of the City of New York promulgated this schedule of living wages for the above services on contracts for non-emergency work in excess of the small purchase limit set by the Procurement Policy Board; contracting agencies must annex this schedule to such contracts.

This schedule is a compilation of separate determinations of the prevailing rate of wage and supplements made by the Comptroller for each trade classification listed herein pursuant to New York City Administrative Code section 6-109. The source of the wage and supplement rates, whether a collective bargaining agreement, survey data or other, is listed at the end of each classification.

A city service contractor or subcontractor that provides homecare services, day care services, head start services or services to persons with cerebral palsy must pay its covered employees that directly render such services in performance of the city service contract or subcontract no less than the living wage and must provide its employees health benefits (supplemental benefits) or must supplement their hourly wage rate by an amount no less than the health benefits supplement rate. This requirement applies for each hour that the employee works performing the city service contract or subcontract.

A city service contractor or subcontractor that provides building services, food services or temporary services must pay its employees that are engaged in performing the city service contract or subcontract no less than the living wage or the prevailing wage, whichever is greater. Where the living wage is greater than the prevailing wage, the city service contractor or subcontractor must either provide its employees health benefits or must supplement their hourly wage rate by an amount no less than the health benefits supplement rate. Where the prevailing wage is greater than the living wage, the city service contractor or subcontractor must provide its employees the prevailing wage and supplements. These requirements apply for each hour that the employee works performing the city service contract or subcontract.

The appropriate schedule of living wages must be posted at all work sites pursuant to NYC Administrative Code 6-109.



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§6-109 PREVAILING WAGE SCHEDULE

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](http://www.comptroller.nyc.gov). Schedules for future one-year periods will be published annually in the City Record on or about July 1<sup>st</sup> of each succeeding year and on our web site [www.comptroller.nyc.gov](http://www.comptroller.nyc.gov).

The living wage rate and the health benefit supplement rate are known through June 30 of each year and those rates are listed in this schedule.

The living wage rates listed in this schedule may not include all hourly wage calculations for overtime, shift differential, Holiday, Saturday, Sunday or other premium time work. Similarly, this schedule does not set forth every living wage practice with which employers must comply.

Some of the rates in this schedule are based on collective bargaining agreements. These agreements are available for inspection by appointment. Requests for appointments may be made by calling (212) 669-4443, Monday through Friday between the hours of 9 a.m. and 5 p.m.

Answers to questions concerning prevailing wage practices may be obtained from the Classification Unit by calling (212) 669-7974. Please direct all other compliance issues to; Bureau of Labor Law, Attn: Wasyl Kinach, P.E., Office of the Comptroller, 1 Centre Street, Room 1122, New York, N.Y. 10007; Fax (212) 669-4002.

Contractors are solely responsible for maintaining original payroll records, which delineate, among other things, the hours each employee worked within a given classification. Contractors using rates and/or classifications not promulgated by the Comptroller do so at their own risk. Additionally, prior to bid, an agency's chief contracting officer must contact the Bureau of Labor Law to obtain a wage determination for a work classification not published in this schedule.

The information listed below is intended to assist you in meeting your living wage and prevailing wage obligation. Contractors are advised to review the Comptroller's Living Wage Schedule prior to submitting a bid for City work. Any wage rate error made by the contracting agency in the contract documents will 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 than the rates specified in this schedule for the applicable trade or occupation.

**Benefits are paid for EACH HOUR WORKED unless otherwise noted.**

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



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§6-109 PREVAILING WAGE SCHEDULE

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OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§6-109 PREVAILING WAGE SCHEDULE

**BUILDING CLEANER AND MAINTAINER (OFFICE)**

For the above building service classification, see the Labor Law Section 230 Schedule.

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**BUILDING CLEANER AND MAINTAINER (RESIDENTIAL)**

For the above building service classification, see the Labor Law Section 230 Schedule.

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**CLEANER (PARKING GARAGE)**

For the above building service classification, see the Labor Law Section 230 Schedule.

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**DAY CARE SERVICES**

**Day Care Services**

'Day Care Services' means provision of day care services through the city's center-based day care program administered under contract with the city's Administration for Children's Services. No other day care programs shall be covered, including family-based day care programs administered by city-contracted day care centers.

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

Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

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**FOOD SERVICE EMPLOYEES**

**Cook**

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

Wage Rate per Hour: \$16.35

Supplemental Benefit Rate per Hour: \$1.63

**Cafeteria Attendant**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§6-109 PREVAILING WAGE SCHEDULE

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

Wage Rate per Hour: \$10.41

Supplemental Benefit Rate per Hour: \$1.63

**Counter Attendant**

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

Wage Rate per Hour: \$11.00

Supplemental Benefit Rate per Hour: \$1.63

**Kitchen Helper / Dishwasher**

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

Wage Rate per Hour: \$9.99

Supplemental Benefit Rate per Hour: \$1.63

**Overtime**

Time and one half the regular hourly rate after 40 hours in any work week.

(Based on data from NYS Department of Labor Occupational Employment Statistics and US Department of Labor Bureau of Labor Statistics)

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**GARDENER**

For the above building service classification, see the Labor Law Section 230 Schedule.

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**HEAD START SERVICES**

**Head Start Services**

'Head Start Services' means provision of head start services through the city's center-based head start program administered under contract with the city's Administration for Children's Services. No other head start programs shall be covered.

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

Wage Rate per Hour: \$10.00

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

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OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§6-109 PREVAILING WAGE SCHEDULE

## **HEMECARE SERVICES**

### **Home Care Services**

'Homecare Services' means the provision of homecare services under the city's Medicaid Personal Care/Home Attendant or Housekeeping Programs, including but not limited to the In-Home Services for the Elderly Programs administered by the Department for the Aging.

For homecare services provided under the Personal Care Services program, the wage and supplemental benefit rate above shall apply only as long as the state and federal government maintain their combined aggregate proportionate share of funding and approved rates for homecare services in effect as of the date of the enactment of this section.

For contractors or subcontractors providing homecare services, the supplemental benefit rate may be waived by the terms of a bona fide collective bargaining agreement with respect to employees who have never worked a minimum of eighty (80) hours per month for two consecutive months for that covered employer, but such provision may not be waived for any employee once a minimum of eighty (80) hours for two consecutive months has been achieved.

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

Wage Rate per Hour: **\$10.00**

Supplemental Benefit Rate per Hour: **\$1.50**

(NYC Administrative Code §6-109)

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## **SECURITY GUARD (ARMED)**

For the above building service classification, see the Labor Law Section 230 Schedule.

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## **SECURITY GUARD (UNARMED)**

For the above building service classification, see the Labor Law Section 230 Schedule.

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## **SERVICES TO PERSONS WITH CEREBRAL PALSY**

### **Services To Person With Cerebral Palsy**

'Services to Persons with Cerebral Palsy' means provision of services which enable persons with cerebral palsy and related disabilities to lead independent and productive lives through an agency that provides health care, education, employment, housing and technology resources to such persons under contract with the city or the department of education.

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

Wage Rate per Hour: **\$10.00**



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§6-109 PREVAILING WAGE SCHEDULE

Supplemental Benefit Rate per Hour: \$1.50

(NYC Administrative Code §6-109)

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## TEMPORARY OFFICE SERVICES

### Administrative Assistant

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

Wage Rate per Hour: \$33.29

Supplemental Benefit Rate per Hour: None

### Cashier

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

Wage Rate per Hour: \$11.50

Supplemental Benefit Rate per Hour: None

### Clerk (various)

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

Wage Rate per Hour: \$14.82

Supplemental Benefit Rate per Hour: None

### Computer Assistant

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

Wage Rate per Hour: \$19.94

Supplemental Benefit Rate per Hour: None

### Data Entry Operator

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

Wage Rate per Hour: \$16.44

Supplemental Benefit Rate per Hour: None

### Receptionist

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

Wage Rate per Hour: \$15.03

Supplemental Benefit Rate per Hour: None

### Secretary (various)

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

Wage Rate per Hour: \$19.31



OFFICE OF THE COMPTROLLER, CITY OF NEW YORK  
§6-109 PREVAILING WAGE SCHEDULE

Supplemental Benefit Rate per Hour: None

**Word Processor**

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

Wage Rate per Hour: **\$18.49**

Supplemental Benefit Rate per Hour: None

**Overtime**

Time and one half the regular hourly rate after 40 hours in any work week.

(Based on data from NYS Department of Labor Occupational Employment Statistics and US Department of Labor Bureau of Labor Statistics or NYC Administrative Code §6-109)

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**WINDOW CLEANER**

For the above building service classification, see the Labor Law Section 230 Schedule.





Leonard A. Mancusi  
SENIOR ASSISTANT COMPTROLLER

THE CITY OF NEW YORK  
OFFICE OF THE COMPTROLLER  
1 CENTRE STREET ROOM 1120  
NEW YORK, N.Y. 10007-2341

TELEPHONE: (212) 669-3622  
FAX NUMBER: (212) 669-8499

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**

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**VOLUME 2 OF 3**

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*Contractor*

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Dated \_\_\_\_\_, 20\_\_

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**APPROVED AS TO FORM  
CERTIFIED AS TO LEGAL AUTHORITY**

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*Acting Corporation Counsel*

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Dated \_\_\_\_\_, 20\_\_

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**INFRASTRUCTURE DIVISION  
BUREAU OF DESIGN**

**VOLUME 2 OF 3**

PROJECT ID: BEDA001

FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT

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

ADL Construction LLC  
Contractor

Dated July, 2015

APPROVED AS TO FORM  
CERTIFIED AS TO LEGAL AUTHORITY

[Signature]  
Acting Corporation Counsel

[Signature] 1/16/15

Dated January 16, 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](http://www.nyc.gov/buildnyc)

**VOLUME 3 OF 3**

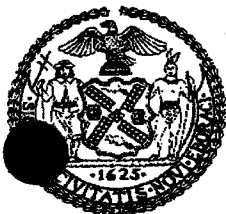
**SCHEDULE A  
ADDENDA NOS. 1 TO 5**

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR:

**PROJECT ID: BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN  
REPLACEMENT AND SEWER REHABILITATION AND REPLACEMENT**

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



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

**January 9, 2015**

**15-113**



1. The first part of the document  
describes the general situation  
of the country.

2. The second part of the document  
describes the economic situation  
of the country.

3. The third part of the document  
describes the social situation  
of the country.

4. The fourth part of the document  
describes the political situation  
of the country.

5. The fifth part of the document  
describes the cultural situation  
of the country.

6. The sixth part of the document  
describes the environmental situation  
of the country.

7. The seventh part of the document  
describes the international situation  
of the country.

8. The eighth part of the document  
describes the future of the country.

9. The ninth part of the document  
describes the conclusion of the document.

10. The tenth part of the document  
describes the end of the document.



## 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](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](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](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](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 Fire Department Communications facilities of New York City are available at 87 Union Street, Engineering Office, Brooklyn, N.Y. 11231-1416.

Contact: Mr. Ed Durkin, Tel. (718) 624-3752

Tree Planting Standards of the City of New York Parks & Recreation are available at the following Department of Parks & Recreation website:

<http://www.nycgovparks.org/pagefiles/53/Tree-Planting-Standards.pdf>

## SPECIFICATIONS AND STANDARDS OF PRIVATE UTILITIES

The Following reference document for Private Utility Work is available for pick up between 8:30 A.M. and 4:00 P.M. at 30-30 Thomson Avenue, First Floor Bid Procurement Room, L.I.C., N.Y. 11101.

1. JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN Issued: August 1, 2005



(NO TEXT ON THIS PAGE)



**SCHEDULE "A"****(GENERAL CONDITIONS TO CONSTRUCTION CONTRACT)**  
**(INCLUDING GENERAL CONDITIONS RELATED TO ARTICLE 22 - INSURANCE)****PART I. REQUIRED INFORMATION**

<b><u>INFORMATION FOR BIDDERS SECTION 26</u></b> <b><u>BID SECURITY</u></b>  <u>The Contractor shall obtain a bid security in the amount indicated to the right.</u>	See Attachment 1 (page A-1 of the Bid Booklet)
<b><u>INFORMATION FOR BIDDERS SECTION 26</u></b> <b><u>PERFORMANCE AND PAYMENT BONDS</u></b>  <u>The Contractor shall obtain performance and payment bonds in the amount indicated to the right.</u>	See Attachment 1 (page A-1 of the Bid Booklet)
<b><u>CONTRACT ARTICLE 14.</u></b> <b><u>DATE FOR SUBSTANTIAL COMPLETION</u></b>  <u>The Contractor shall substantially complete the Work in the number of calendar days indicated to the right.</u>	See Page SA-4
<b><u>CONTRACT ARTICLE 15.</u></b> <b><u>LIQUIDATED DAMAGES</u></b>  <u>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.</u>	For Each Consecutive Calendar Day Over Completion Time Specified On Each Issued Task Order: <u>\$350.00</u>
<b><u>CONTRACT ARTICLE 17.</u></b> <b><u>SUB-CONTRACTOR</u></b>  <u>The Contractor shall not make subcontracts totaling an amount more than the percentage of the total Contract price indicated to the right.</u>	Not to Exceed <u>40%</u> of the Contract Price
<b><u>CONTRACT ARTICLE 21.</u></b> <b><u>RETAINAGE</u></b>  <u>The Commissioner shall deduct and retain until the substantial completion of the Work the percent value of the Work indicated to the right.</u>	<u>5%</u> of the Value of the Work
<b><u>CONTRACT ARTICLE 22.</u></b>  <b><u>(Per Directions Indicated To The Right)</u></b>	See pages SA-5 through SA-9



<p><b><u>CONTRACT ARTICLE 24.</u></b> <b><u>DEPOSIT GUARANTEE</u></b></p> <p>As security for the faithful performance of its obligations, the <b>Contractor</b>, upon filing its requisition for payment on <b>Substantial Completion</b>, shall deposit with the <b>Commissioner</b> a sum equal to the percentage of the <b>Contract</b> price indicated to the right.</p>	<p><u>1%</u> of <b>Contract</b> Price</p>
<p><b><u>CONTRACT ARTICLE 24.</u></b> <b><u>PERIOD OF GUARANTEE</u></b></p> <p>Periods of maintenance and guarantee other than the period set forth in <b>Article 24.1</b> are indicated to the right.</p>	<p>Eighteen (18) Months, excluding Trees</p> <p>Twenty-Four (24) Months for Tree Planting</p>
<p><b><u>CONTRACT ARTICLE 74.</u></b> <b><u>STATEMENT OF WORK</u></b></p> <p>The <b>Contractor</b> shall furnish all labor and materials and perform all <b>Work</b> in strict accordance with the <b>Contract Drawings, Specifications</b>, and all <b>Addenda</b> thereto.</p>	<p>See <b>Contract Article 74</b></p>
<p><b><u>CONTRACT ARTICLE 75.</u></b> <b><u>COMPENSATION TO BE PAID TO CONTRACTOR</u></b></p> <p>The <b>City</b> shall pay and the <b>Contractor</b> shall accept in full consideration for the performance of the <b>Contract</b>, subject to additions and deductions as provided in <b>Contract Article 75</b>, this said sum being the amount at which the <b>Contract</b> was awarded to the <b>Contractor</b> at a public letting thereof, based upon the <b>Contractor's</b> bid for the <b>Contract</b>.</p>	<p>See <b>Contract Article 75</b></p>
<p><b><u>CONTRACT ARTICLE 78.</u></b> <b><u>PARTICIPATION BY MINORITY-OWNED AND WOMEN-OWNED BUSINESS ENTERPRISES IN CITY PROCUREMENT</u></b></p>	<p>See M/WBE Utilization Plan in the Bid Booklet</p>



<p align="center"><b><u>STANDARD HIGHWAY SPECIFICATIONS</u></b>  <b><u>SECTION 6.70</u></b>  <b><u>LIQUIDATED DAMAGES FOR</u></b>  <b><u>MAINTENANCE AND PROTECTION OF TRAFFIC</u></b></p>	<p>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: <u>\$250.00</u></p> <p>For each and every hour of failing to open the entire width of roadway to traffic the morning following a night/weekend work operation: <u>\$500.00</u></p>
<p align="center"><b><u>STANDARD HIGHWAY SPECIFICATIONS</u></b>  <b><u>SECTION 7.13</u></b>  <b><u>LIQUIDATED DAMAGES FOR</u></b>  <b><u>MAINTENANCE OF SITE</u></b></p> <p>If the Contractor fails to comply, within three (3) consecutive hours after written notice from the Engineer, with the requirements of <b>Section 7.13 - Maintenance of Site</b>, 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.</p>	<p>For Each Calendar Day, for Each Occurrence: <u>\$250.00</u></p>



**Date for Substantial Completion (Reference: Article 14)**

The Contractor shall substantially complete the Work within the Final Contract Duration determined in accordance with the terms and conditions set forth herein.

The Base Contract Duration for this project is 365 consecutive calendar days ("ccds").

The Final Contract Duration shall be the Base Contract Duration when a check mark is indicated before the word "NO", below, and shall be the Base Contract Duration adjusted by the table set forth below when a check mark is indicated before the word "YES", below.

           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.

<b>Month Of Substantial Completion Based On The Base Contract Duration</b>	<b>Number Of Days Of Adjustment</b>
<b>January</b>	150
<b>February</b>	120
<b>March</b>	90
<b>April</b>	60
<b>May</b>	30
<b>June</b>	0
<b>July</b>	0
<b>August</b>	0
<b>September</b>	0
<b>October</b>	0
<b>November - December 15</b>	0
<b>December 16 - December 31</b>	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

<u>TYPES OF INSURANCE</u> (per Article 22 in its entirety, including listed paragraph)	<u>MINIMUM LIMITS AND SPECIAL CONDITIONS</u>
<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Commercial General Liability </div> <div>Art. 22.1.1</div> </div>	<p>The minimum limits shall be <u>\$1,000,000</u> per Occurrence and <u>\$2,000,000</u> per Project Aggregate applicable to this <b>Contract</b>.</p> <p>Additional Insureds:</p> <p>(1) <u>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.</u></p> <p>(2) <u>All person(s) or organization(s), if any, that Article 22.1.1(b) of the <b>Contract</b> requires to be named as Additional Insured(s), with coverage at least as broad as ISO Form CG 20 26. The Additional Insured endorsement shall either specify the entity's name, if known, or the entity's title (e.g., Project Manager).</u></p> <p>(3) <u>National Grid</u></p> <p>(4) <u>Consolidated Edison Company Of New York</u></p> <p>(4) <u>Verizon</u></p> <p>(5) <u>Time Warner Cable Of New York City</u></p> <p>(6) <u>RCN Telecom Services Of New York</u></p>



<input checked="" type="checkbox"/> Workers' Compensation <input checked="" type="checkbox"/> Disability Benefits Insurance <input checked="" type="checkbox"/> Employers' Liability <input type="checkbox"/> Jones Act <input type="checkbox"/> U.S. Longshoremen's and Harbor Workers Compensation Act	Art. 22.1.2 Art. 22.1.2 Art. 22.1.2 Art. 22.1.3 Art. 22.1.3	<p>Workers' Compensation, Employers' Liability, and Disability Benefits Insurance: Statutory per New York State law without regard to jurisdiction.</p> <p><b>Note:</b> The following forms are acceptable: (1) New York State Workers' Compensation Board Form No. C-105.2, (2) State Insurance Fund Form No. U-26.3, (3) New York State Workers' Compensation Board Form No. DB-120.1 and (4) Request for WC/DB Exemption Form No. CE-200. The City will not accept an ACORD form as proof of Workers' Compensation or Disability Insurance.</p> <p>Jones Act and U.S. Longshoremen's and Harbor Workers' Compensation Act: Statutory per U.S. Law.</p> <p><input type="checkbox"/> Additional Requirements:</p> <p>(1)</p> <p>(2)</p>
<input type="checkbox"/> Builders' Risk	Art. 22.1.4	<p><u>100%</u> of Total Value of <b>Work</b></p> <p><b>Contractor</b> the Named Insured; the <b>City</b> both an Additional Insured and one of the loss payees as its interests may appear.</p> <p>If the <b>Work</b> does not involve construction of a new building or gut renovation work, the <b>Contractor</b> may provide an installation floater in lieu of Builders Risk insurance.</p> <p>Note: Builders Risk Insurance may terminate upon <b>Substantial Completion</b> of the <b>Work</b> in its entirety.</p>
<input checked="" type="checkbox"/> Commercial Auto Liability	Art. 22.1.5	<p><u>\$2,000,000</u> per accident combined single limit</p> <p>If vehicles are used for transporting hazardous materials, the <b>Contractor</b> shall provide pollution liability broadened coverage for covered vehicles (endorsement CA 99 48) as well as proof of MCS 90.</p> <p>Additional Insureds:</p> <p>(1) <u>City of New York, including its officials and employees.</u></p> <p>(2)</p> <p>(3)</p>



<input type="checkbox"/> Contractors Pollution Liability	Art. 22.1.6	\$ _____ per occurrence \$ _____ aggregate Additional Insureds: (1) <u>City of New York, including its officials and employees.</u> (2) _____ (3) _____
<input type="checkbox"/> Marine Protection and Indemnity	Art. 22.1.7(a)	\$ _____ each occurrence \$ _____ aggregate Additional Insureds: (1) <u>City of New York, including its officials and employees.</u> (2) _____ (3) _____
<input type="checkbox"/> Hull and Machinery Insurance	Art. 22.1.7(b)	\$ _____ per occurrence \$ _____ aggregate Additional Insureds: (1) <u>City of New York, including its officials and employees.</u> (2) _____ (3) _____
<input type="checkbox"/> Marine Pollution Liability	Art. 22.1.7(c)	\$ _____ per occurrence \$ _____ aggregate Additional Insureds: (1) <u>City of New York, including its officials and employees.</u> (2) _____ (3) _____



<p>[OTHER] Art. 22.1.8</p> <p><input type="checkbox"/> Railroad Protection Liability Policy</p> <p>(ISO-RIMA or equivalent form) approved by Permittee 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:</p> <ul style="list-style-type: none"> <li>• Policy Endorsement CG 28 31 - Pollution Exclusion Amendment is required to be endorsed onto the policy when environmental-related work and/or exposures exist.</li> <li>• 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.</li> <li>• Evidence of Railroad Protective Liability Insurance, must be provided in the form of the <u>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.</u></li> </ul>	<p><u>\$2,000,000</u> per occurrence</p> <p><u>\$6,000,000</u> annual aggregate</p> <p>Named Insureds:</p> <p>(1)</p> <p>(2)</p>
<p>[OTHER] Art. 22.1.8</p> <p><input type="checkbox"/> Professional Liability</p> <p>A. The Contractor's Professional Engineer shall maintain and submit evidence of Professional Liability Insurance in the minimum amount of <u>\$1,000,000</u> 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.</p> <p>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.</p>	
<p>[OTHER] Art. 22.1.8</p> <p><input type="checkbox"/> Engineer's Field Office</p> <p><b>Section 6.40, Standard Highway Specifications</b></p>	<p>Fire insurance, extended coverage and vandalism, malicious mischief and burglary, and theft insurance coverage in the amount of <u>\$40,000</u></p>
<p>[OTHER] Art. 22.1.8</p> <p><input type="checkbox"/> The Following Additional Insurance Must Be Provided:</p> <p><u><b>Umbrella/Excess Liability Insurance</b> - 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.</u></p>	



Pursuant to Article 22.3.3 of the **Contract**, every Certificate Of Insurance must be accompanied by either the following certification by the broker setting forth the following text and required information and signatures or certified copies of all policies referenced in the Certificate Of Insurance.

The undersigned insurance broker represents to the City of New York that the attached Certificate Of Insurance is accurate in all material respects, and that the described insurance is effective as of the date of this Certification.

[Name And Title Of Authorized Official (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: BEDA001

FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT

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

ADDENDUM NO. 1

DATED: February 24, 2014

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS

The New York City Department of Transportation Standard Highway Specifications, dated November 1, 2010, (which include, but are not limited to, "General Conditions", "Basic Materials of Construction", "Combined Materials of Construction", "Construction Methods", "Inspection and Testing of Materials, Adjustments for Deficiencies, and Maintenance", and "Supplemental Construction Methods"), as modified by addenda issued prior to the opening of bids, shall apply to and become a part of the contract.

All references contained herein are to the New York City Department of Transportation, Standard Highway Specifications, dated November 1, 2010. The said Specifications are hereby revised. Included hereunder are the following REVISIONS:

1. Amendments to Standard Highway Specifications, Volume I
2. Amendments to Standard Highway Specifications, Volume II, including Section 7.88 (Revised) and new Section 6.44 PO and 6.52 CG.



1. AMENDMENTS TO STANDARD HIGHWAY SPECIFICATIONS, VOLUME I

The following amendments to the Contract Requirements shall become a part of and apply to the contract:

**[Added 12-09-2010]**

1. Refer to Page 15, **Subsection 1.06.23.(C) CONFORMANCE WITH FEDERAL, STATE AND CITY AGENCIES;**

Add the following new paragraphs:

"The Contractor is notified that all vehicles that are owned, leased or operated by the Contractor or its subcontractors and used in connection with the Project shall comply with the following requirement:

Every truck, tractor, and tractor-trailer or semitrailer combination, having a gross vehicle weight rating of twenty-six thousand pounds or more, and a conventional cab configuration in which more than half of the engine length is forward of the foremost point of the windshield base, and the steering wheel hub is in the forward quarter of the vehicle length shall be equipped with a convex mirror on the front of such vehicle or combination of vehicles. Such convex mirror shall be adjusted so as to enable the operator of such vehicle or combination of vehicles to see all points on an imaginary horizontal line which is three feet above the road, is one foot directly forward from the midpoint of the front of such vehicle or combination of vehicles, and extends the full width of the front of such vehicle or combination of vehicles.

Any vehicle that does not comply with this provision may be prohibited from entering the Project site and/or supplying equipment or materials to the Project. The Contractor shall not be entitled to any damages as a result of such prohibition."

**[Added 01-09-2011]**

2. Refer to Page 240, **Subsection 4.16.5.(B) STUMP REMOVAL;**  
Delete **Subsection 4.16.5.(B) STUMP REMOVAL**, in its entirety;  
Substitute the following revised **Subsection 4.16.5.(B) :**

**"(B) STUMP REMOVAL**

1. Tree stumps designated to be removed and their roots shall be completely excavated to a minimum depth of three (3) feet below the existing grade. A portable stump cutter may be required in some locations. It may be necessary to remove concrete, asphalt, pavers, and/or other types of material surrounding the base of the stump. All excess debris, including chips from tree stumps, shall be removed and disposed of by the Contractor, away from the site prior to backfilling and the area shall be restored by completion of the workday, to the satisfaction of the Engineer. The disposal of tree stumps by burning in open fires will not be permitted.

2. All voids and excavations left after the removal of the stump and roots shall be backfilled to grade with clean earth fill. Fill shall be placed and compacted to a minimum of 95 percent of Standard Proctor Maximum Density by acceptable methods to the satisfaction of the Engineer. Where paving blocks exist, they are to be reset to the existing grade as directed.

3. Maximum safety and care must be used by Contractor during stump removal. The Contractor shall carefully protect against damage all existing trees, plants, curbs, sidewalks and utilities and other features to remain. The Contractor is responsible for locating and protecting underground utilities from damage during stump removal procedures. During stump grinding operations, plywood must be used to protect adjacent vehicles, real property, and pedestrians. If, when removing stumps, existing sidewalks or curbs are disturbed, the Contractor shall restore and/or reset these sidewalks and curbs, at no additional cost to the City. Restoration work shall be done to match the existing, to the satisfaction of the Engineer. All damaged trees, curbs, sidewalks, real property, vehicles and utilities must be addressed within three (3) days."



**[Added 04-18-2011]**

3. Refer to Pages 218 and 219, **Subsection 4.13.4.(H) PIGMENT**;  
Delete the first three (3) paragraphs on page 219:  
Substitute the following revised three (3) paragraphs:

"Where the color of the concrete is required to simulate the color of dark gray bluestone, the concrete shall be integrally pigmented to produce a gray color equivalent to: Davis Colors No. 884-3%; Lansco Color No. 437 "Strong Black" 5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; L.M. Scofield "Cool Black No. 4"; Bayferrox Limestone 330, 2 lbs. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified.

Where the color of the concrete is required to simulate the color of light to medium gray granite, the concrete shall be integrally pigmented to produce a gray color equal to: Davis Colors No. 884-1%; Lansco Color No. 437 "Strong Black" 2.5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; L.M. Scofield "Cool Black No. 1"; Bayferrox Silver 330, 1 lb. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified.

Where the sidewalk is designated to have a saw cut joint finish the color of the concrete shall be integrally pigmented to produce a gray color equivalent to L.M. Scofield "Landmarks Grey" K-157-4; L.M. Scofield "Cool Black No. 4"; Davis Colors No. 884-3%; Lansco Color No. 437 "Strong Black" 5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; Bayferrox NYC Landmark Commission Gray, 3.5 lbs. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified."

**[Added 07-01-2011]**

4. Refer to Page 14, **Subsection 1.06.23.(A) PERMITS**;  
Delete line (b) under the first paragraph;  
Substitute the following text:

"(b) Any planned work requiring a DOT Construction Permit that may potentially be within 100 feet of a bridge structure will be placed on a Bridge Hold. If any proposed work is within 100 feet of a bridge structure, permittees must submit a scaled drawing showing the work and exact location, along with the following:

- Plan layout of the project area.
- The scope of work.
- The contractor's means and methods.
- Indicate if work will be done of the bridge itself or its abutments, and the type of work.

If the work is more than 100 feet away from the bridge structure, permittees may send a certification by e-mail stating so. Either response must be sent to the Division of Bridges at [bridgeshold@dot.nyc.gov](mailto:bridgeshold@dot.nyc.gov) for review and release prior to commencing work. Emergency work will not be placed on hold and shall proceed in accordance with the New York City Highway Rules, section 2-11 (g);

(c) Permits from the Department of Sanitation for use of City landfills;"



**[Added 07-27-2011]**

5. Refer to Page 37, **Subsection 1.06.46.(A) 6. Sign Graphics;**  
Delete article "a." beginning with the words "All visual components of the sign are in an Adobe \*.pdf file, . . ." and ending with the words ". . . DDC to the Contractor (on a CD or via E-mail) for printing.", in its entirety;  
Substitute the following revised article "a":

"a. All visual components of the sign are in an Adobe \*.pdf file, which is provided by the Commissioner's representative. The file is not to be altered for composition, type font or image from the version provided by DDC. The Commissioner's representative shall provide a complete file with data and image. The digital file shall be provided by DDC to the Contractor (on a CD or via E-mail) for printing."

**[Added 09-27-2012]**

6. Refer to Page 36, **Subsection 1.06.46. Project Sign;**  
Delete the words "Unless otherwise specified in the Special Provisions of the contract, the following shall apply:";  
Substitute the following revised text:

"The Contractor is notified that he shall be required to furnish, install, maintain, and remove, when directed, Construction Project Information Signs (CPIS) as per Sec. 2-02(c)(4) and (5) of the NYC DOT Highway Rule and the cost shall be deemed included under all scheduled items of the contract. In addition, unless otherwise specified in the Special Provisions of the contract, the following Project Sign shall also apply."

**[Added 04-08-2013]**

7. Refer to Page 200, **Subsection 4.11.2.(B), first paragraph, sixth line;**  
Delete the word "porcelain,".
8. Refer to Page 201, **Subsection 4.11.3.(B) FILL AND BACKFILL, second and third paragraphs;**  
Delete the second and third paragraphs under Subsection 4.11.3.(B), in their entirety;  
Substitute the following revised two paragraphs:

"Glass or Recycled Porcelain Aggregate (RPA) from recycling facilities that meets the requirements of **Subsection 4.11.3.(E)** for Glass and **Subsection 4.11.3.(F)** for RPA shall be considered suitable material for mixing with fill provided the Contractor maintains the gradations specified herein. However, glass shall not be placed in contact with synthetic liners, geogrids, geotextiles or other geosynthetics.

Glass and/or RPA incorporated into fill shall be thoroughly mixed with other suitable material so that glass, RPA or combination of both constitutes no more than 30 percent by volume anywhere in the fill as visually determined by the Engineer."



9. Refer to Page 202, Subsection 4.11.3.(E) GLASS;  
Add the following new Subsection 4.11.3.(F) RECYCLED PORCELAIN  
AGGREGATE (RPA):

“(F) RECYCLED PORCELAIN AGGREGATE (RPA)

All porcelain to be used as RPA shall be crushed by a New York City Department of Environmental Protection (NYCDEP) approved recycling facility to a maximum particle size of 3/8 inch and graded to meet the gradation specified above for use in either fill, backfill or select fill, as may be required. RPA from any other source will not be permitted. The NYCDEP approved recycling facility will also certify that the RPA being furnished is free from organic material and other unsuitable material.

Should the Contractor desire to use RPA in his fill or backfill material, he shall contact Mr. Vasyl Kravchyk at NYCDEP (Tel. No. 718-595-7512) to determine the availability of RPA and from which recycling facility it can be obtained.

The Contractor shall be required to make arrangement with the recycling plant, at least two (2) weeks in advance of when he would need the material, to schedule the time, date and quantity available for pickup. The Contractor shall be required to furnish the recycling facility with a complete list of his trucks involved in transporting the material, which shall include the name of the registered owner (Contractor), Consumer Affairs or DOS Permit numbers, body license plate number, and truck volume. This information must be supplied to the facility prior to the start of picking up the RPA.

Weight ticket receipt slips given by the recycling facility to each truck driver picking up RPA shall be collected by the Contractor and given to the Engineer upon delivering fill or backfill material to the site that contains RPA, and the Contractor agrees and warrants that in obtaining the RPA that such material has originated only from a NYCDEP approved recycling plant and it has not been mixed with porcelain material from any other source.

The Contractor shall be required to transport said material from the approved recycling facility to his yard for storage and mixing with his fill material; however, there is not guarantee that the material will actually be available.

The Contractor is advised that there is no guarantee that RPA will in fact be available for his use from a NYCDEP approved recycling plant and he shall make no claim against the City for loss of anticipated profits should the material not be available upon request by the Contractor.

All excess RPA not used in the fill or backfill shall remain the property of the DDC Contractor.

The Contractor must comply with all rules and regulations of the Department of Transportation and the Department of Environmental Protections governing the use of RPA in its fill and backfill material.”

10. Refer to Pages 218 and 219, Subsection 4.13.4.(H) PIGMENTING,  
first four paragraphs;  
Delete the first four paragraphs under Subsection 4.13.4.(H), in  
their entirety;  
Substitute the following revised four paragraphs:

“Where pigmenting is specified, the concrete sidewalks shall be pigmented with an admixture complying with the requirements of **Section 2.19** and the following requirements:

‘Commercial Gray’: In commercial districts C4-4 through C4-7, C5 and C6, as defined in the Zoning Resolution of the City of New York, and in areas under the jurisdiction of the Lower Manhattan Development Corporation the color of the concrete shall be integrally pigmented to produce a gray color equivalent to L.M. Scofield ‘Landmarks Grey’ K-157-4; L.M. Scofield ‘Cool Black No. 4’; Davis Colors No. 884-3%; Lansco Color No. 437 ‘Strong Black’ 5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; Bayferrox NYC Landmark Commission Gray, 3.5 lbs. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified.



'Bluestone': Where the color of the concrete is required to simulate the color of dark gray bluestone, the concrete shall be integrally pigmented to produce a gray color equivalent to: Davis Colors No. 884-3%; Lansco Color No. 437 'Strong Black' 5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; L.M. Scofield 'Cool Black No. 4'; Bayferrox Limestone 330, 2 lbs. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified.

'Granite': Where the color of the concrete is required to simulate the color of light to medium gray granite, the concrete shall be integrally pigmented to produce a gray color equal to: Davis Colors No. 884-1%; Lansco Color No. 437 'Strong Black' 2.5 lbs. per 94 lbs. Light Grey Portland Cement and 3 parts sand; L.M. Scofield 'Cool Black No. 1'; Bayferrox Silver 330, 1 lb. per 94 lbs. Light Gray Portland Cement; or an approved equivalent, unless otherwise specified."

**[Added 05-24-2013]**

11. Refer to Page 14, **Subsection 1.06.23. (A) PERMITS**, first paragraph as modified by Article 4 on page 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.";  
Insert the following sentence between the words "condition making up one  
(1) cubic yard of concrete." and "The range of water-cement ratio within which the ...":

"The calculated yield of the mix shall be within  $\pm 2\%$  of the Theoretical (1) cubic yard."

18. Refer to Page 113, second paragraph beginning with the words "The  
Contractor may substitute Portland cement . . .";  
Delete the second paragraph under **Subsection 3.05.4.**, in its  
entirety;  
Substitute the following revised paragraph:

"With the exception of high-early strength concrete, the Contractor shall be required to substitute Portland cement with pozzolans (Fly Ash or GGBFS) such that the maximum amount of Portland cement per cubic yard of concrete does not exceed 400 pounds, and with the use of an approved non-corrosive, non-chloride admixture as required to obtain a minimum compressive strength of 3,000 psi in seven (7) days. For high-early strength concrete the Contractor may substitute Portland cement with pozzolans (Fly Ash or GGBFS), pound for pound, up to 20% (or up to 25% for tidal/sea water spray areas) of the weight of cement specified for any concrete mixture provided the Contractor can obtain a minimum compressive strength of 3,000 p.s.i. in three (3) days. The Contractor, immediately following but not later than eight weeks after the date of the Contractor's Notice to Proceed, shall file with the Engineer, Age-Strength data of the job mix he proposes to use for the various ambient temperatures anticipated during the period of concrete placement. This data shall be presented in both tabular and graphical form for those various ambient temperatures with a maximum setting period of seven (7) days for Class B-32 concrete or seventy-two (72) hours for High-Early Strength Concrete."

19. Refer to Page 115, **TABLE 3.05-III - INGREDIENT MATERIALS**;  
Change in the third row, second column, the type of Portland  
Cement from "Type III\*" to read "Type II or Type III"

20. Refer to page 132, **Subsection 3.06.3.(D)**;  
Change the words "Water shall be drawn from mains owned by The City of New York." to  
read "Water shall be potable and drawn from municipal water mains."

21. Refer to page 133, **Subsection 3.07.3.(D)**;  
Change the words "Water shall be drawn from mains owned by or supplying water to The  
City of New York." to read "Water shall be potable and drawn from municipal water  
mains."

22. Refer to page 134, **Subsection 3.08.4.(D)**;  
Change the words "Water shall be drawn from mains owned by or supplying water to The  
City of New York." to read "Water shall be potable and drawn from municipal water  
mains."



23. Refer to Page 166, **Subsection 4.05.2.(A)**;  
Delete **Subsection 4.05.2.(A)**, in their entirety;  
Substitute the following revised **Subsection 4.05.2.(A)**:

"(A) Concrete Pavement shall be of the following types:

Type 1--Non-reinforced

Type 2--Reinforced (Unpigmented or pigmented if specified)

Type 3--High Early Strength Reinforced (Unpigmented or pigmented if specified)

Type 2 and Type 3 pavements shall consist of a concrete surface course, which shall be unpigmented or pigmented if specified, laid on a concrete base course, which may or may not be pigmented at the Contractor's option, while the base course is still plastic, of the thickness shown on the Contract Drawings, with reinforcement placed between the surface and base courses."

24. Refer to Page 166, **Subsection 4.05.3.(A)**;  
Insert the following new **Subsection 4.05.3.(A1)**:

"(A1) PIGMENTING

Where pigmenting is specified, the surface course of the concrete bus pad shall be pigmented with an admixture complying with Section 2.19 and the following requirements:

Where the color of the concrete is required to simulate the red color of the Red Bus Lane Pavement Overlay (Item 6.44 POR in Section 6.44 PO), the surface course concrete shall be integrally pigmented to produce a red color equivalent to Scofield's quarry red.

Except for the use of an air-entraining agent complying with ASTM Designation C 260 and water reducing admixtures complying with ASTM Designation C 494 used in combination with the Pigment Admixture as per the pigment manufacturer's instruction, no other admixtures (including, but not limited to, calcium chloride) shall be used unless stated in writing by the manufacturer of the Pigment Admixture to be of no consequence to the colorfastness of the concrete mixture and is approved by the Engineer.

All pigmented concrete at different locations shall be identical, unless otherwise directed. Variations in color/tint/hue will not be acceptable. Therefore, the same brand and type of cement and the same source and type of aggregate shall be used throughout the project.

Prior to the mix design being made, the cement intended for use shall be checked to determine that its lightness/darkness is similar to the cement used in the original approved sample. The Pigmented Admixture shall be added in the standard proportion specified by the manufacturer."

25. Refer to Page 170, **Subsection 4.05.5.(A) GENERAL**;  
Insert the following two new paragraphs:

"For pigmented concrete, the Contractor shall within eight weeks of the notice to proceed, submit the name of its proposed roadway installer upon which his bid is based, along with their respective work history experience in placing pigmented concrete. The installer shall have documented experience in working with pigmented concrete.

Prior to making any field samples and the placing of any pigmented concrete, the Contractor, its concrete supplier, installer, cement producer, laboratory, the pigmented admixture's representative, and the Engineer shall meet and agree on the specifications and methods of handling the pigmented concrete."



26. Refer to Page 183, **Subsection 4.05.9. PRICES TO COVER**, 4<sup>th</sup> line;  
Insert in the fourth line, the words "pigment when specified" between the  
words "specifications, including, but not limited to," and "furnishing and installing...":

27. Refer to Page 183, **Subsection 4.05.9. PRICES TO COVER**;  
Insert the following two new Items to the list of Item Nos. at the  
bottom of **Subsection 4.05.9**:

"4.05 ACP REINFORCED CONCETE PAVEMENT (BUS STOPS)(PIGMENTED) C.Y.

4.05 AXP HIGH-EARLY STRENGTH REINFORCED CONCRETE PAVEMENT  
(BUS STOPS)(PIGMENTED) C.Y."



2. AMENDMENTS TO STANDARD HIGHWAY SPECIFICATIONS, VOLUME II

[Added 01-25-2012]

1. Refer to Pages 365 and 366, **Subsection 6.40.2.(C)(c)(1) Personal Computer(s) - Workstation Configuration;**

Delete the text under **Subsections (a), (b), (c), (d), (h), (i), and (m),** in their entirety;

Substitute the following revised text:

- "(a) Make and Model: Dell; HP; Gateway; Acer; or, an approved equivalent. (Note: an approved equivalent requires written approval of the Assistant Commissioner of ITS.)
- (b) Processor: i5-2400 (6MB Cache, 3.1GHz) or faster computer - Single Processor.
- (c) System Ram: Minimum of 4GB (Gigabytes) Dual Channel DDR3 SDRAM at 1333MHz - 2 DIMMSs
- (d) Hard Disk Drive(s): 500 GB (Gigabytes) Serial ATA (7200RPM) w/DataBurst Cache, or larger."
- "(h) Video Display Card: HD Graphics (VGA, HDMI) with a minimum of 64 MB of RAM.
- (i) Monitor: 22" W, 23.0 Inch VIS, Widescreen, VGA/DVI LCD Monitor."
- "(m) Software Requirements: Microsoft Windows 7 Professional SP1, 64 bit; Microsoft Office Professional 2010; Microsoft Project 2010; Adobe Acrobat reader; Anti-Virus software package with 2 year updates subscription; and, either Auto Cad 2012 LT or Microsoft Visio 2010 Standard Edition, as directed by the Engineer."

2. Refer to Page 366, **Subsection 6.40.2.(C)(c)(2)(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:

4. 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-process color photocopying type with a minimum production rate of 70 pages per minute and an adequate supply of copy paper, toner, etc. The machine shall be capable of duplex copying paper sizes of 8-1/2 x 11 inches, 8-1/2 x 14 inches and 11 x 17 inches, and have separate trays for each paper size. It shall have a document feeder, collator, stapler, and the capability to reduce/enlarge copies between each paper size. The supply of each size copy paper, toner, etc. shall be replenished and the machines shall be maintained for the duration of the contract by the Contractor as required by the Engineer. Make and model can be Minolta, Canon, IBM, Epson, or an approved equivalent, and shall be networked to the office computers.	1	1	1	1	1	1
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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 Lumens, 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) (2) (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, Canon, IBM, Epson, or an approved equivalent, and shall be networked to the office computers.	1	1	1	1	1	1
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**[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 Diphacinone, or single feed rodenticides such as ContraMeal, ContractBait 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 not 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) During Construction - The Contractor shall monitor the rodent activity through trapping (snap, glue traps or live traps), fecal count methods, and inspection of the conditions of all installed baits every week during construction activity or as otherwise directed by the Engineer. Contractor shall maintain all monitoring records in the manner described in 7.88.6., Records and Reports.

(C) RODENT CONTROL WORK

(1) Wetlands, Woodlands and Areas Within Seventy-five (75') feet of a Stream. In wetlands, woodlands and areas adjacent to a stream, special precautions must be taken to protect water quality and to ensure the safety of other wildlife. To prevent poisoned bait from entering streams, no poisoned bait shall be used in areas within seventy-five (75') feet of either streambank. Live traps must be used in these seventy-five (75') feet buffer zone areas and within wetland and woodland areas.

(2) Outside Wetland Areas, Woodland Areas and Beyond Seventy-five (75') feet of a Stream. In areas outside the seventy-five foot zone of protection adjacent to streams, and areas outside wetlands and woodlands, tamper proof bait stations with poisoned bait shall be established during the period of construction and any consumed or decomposed bait shall be replenished as directed.



Rodent control shall be achieved in two stages as follows:

- Stage I. At least one month prior to initiation of the construction work, and periodically thereafter, live traps and/or rodenticide bait, as directed above, shall be placed at locations [e.g., burrows, utility manholes (sewer, electrical, phone, etc.), and catch basins] that are inaccessible to pets, human beings, children and other non-target species, particularly wildlife (e.g., birds) in the construction corridor. Locations of initial bait placement and quantities of bait shall be determined by the survey and monitoring exterminator's written report of his survey and monitoring results, or as otherwise directed by the Engineer.
- Stage II. During Construction - 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) During Construction - 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 Flaggperson**;  
Delete **Section 6.52** on pages 393 and 394, but do not delete examples on pages 395 and 396;  
Substitute **SECTION 6.52 CG**, as contained on the following pages A1-2n and A1-2o.



## SECTION 6.44 PO Lane Pavement Overlay

**6.44PO.1. DESCRIPTION.** This section describes the furnishing and application of an approved Green Asphalt Pavement Color Scheme along designated bicycle lanes and Brick-Red Asphalt Pavement Color Scheme matching Quest's StreetBondCL Terracotta color along designated Select Bus Service (SBS) lanes, as indicated in the Contract Drawings or as directed by the Engineer.

### **6.44PO.2. REFERENCES.**

- A. ASTM D-4541 Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Tester.
- B. ASTM D-4060 Test Method for Abrasion Resistance of Organic Coatings by the Taber Abrasion.
- C. ASTM D-522-93A Standard Test Method for Mandrel Bend Test of Attached Organic Coatings.
- D. ASTM G-155 QUV Accelerated Weathering Environment. Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials.
- E. ASTM D-2486 MEK rub test for chemical resistance.
- F. ASTM D-570 Standard Test Method for water absorption of plastics.
- G. ASTM E-303 British Pendulum test for friction.
- H. EPA 24 ASTM D3960-05 Volatile Organic Compounds.

### **6.44PO.3. SUBMITTALS.**

- A. A copy of the current year accreditation certificate available from the Contractor or subcontractor who will be performing this work, or written verification from the coating supplier that the Contractor or subcontractor is qualified to perform this Work.
- B. Written and published specification for the application of the selected asphalt pavement coating.
- C. Confirmation of coating color.
- D. Proof of coating performance through a Certificate of Analysis or equivalent document as provided by the Contractor or the coating supplier.

### **6.44PO.4. MATERIALS.**

The following table outlines minimum performance properties of a typical asphalt pavement coating.

Characteristic	Test Specification	Measured result
Durability: Taber Abrasion resistance	ASTM D-4060 7 day cure, H-10 wheel (wet test)	< 5.0 g/1000
Water sensitivity	ASTM D-570 Water absorption after 9 days: Remaining absorption after 1 hour of recovery:	< 10% < 1.0%
Color stability	ASTM G-155 QUV 2,000 hours (CIE units)	New York City Bike Lane Green $\Delta E < 1.5$
Color stability	ASTM G-155 QUV 2,000 hours (CIE units)	Brick color $\Delta E < 1.5$



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.

**6.44PO.7. 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**, 4<sup>th</sup> paragraph, beginning with the words "The Contractor shall maintain the traveled way . . . .";  
Delete the 4<sup>th</sup> paragraph, in its entirety;  
Substitute the following text:

"The Contractor shall maintain the traveled way in such a condition and conduct operations in such a manner that snow and ice may be readily removed by others as and when necessary, and in such a manner that proper drainage is provided for the melting of snow in the banks resulting from normal plowing. However, the Contractor will not be responsible for snow or ice removal on the pavement or traveled way opened for public usage, except within the limits of the work zone(s) which may include, but is not be limited to, stairways, promenades, esplanade areas, and sidewalk, including those fronting his office and the Engineer's field office all of which will be the responsibility of the Contractor."



**ATTACH TO CONTRACT DOCUMENTS**

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

**PROJECT ID: BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT**

**Together With All Work Incidental Thereto**

**BOROUGH OF BROOKLYN**

**ADDENDUM NO. 2**

**DATED: December 12, 2014**

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**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.**

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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. SPECIFIC PROVISIONS FOR WATER MAIN WORK
- B. NOTICE TO BIDDERS
- C. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS
- D. AMENDMENTS TO THE STANDARD SEWER AND WATER MAIN SPECIFICATIONS
- E. AMENDMENTS TO THE SPECIFICATIONS FOR TRUNK MAIN WORK
- F. SPECIAL PROVISIONS



**A. SPECIFIC PROVISIONS FOR WATER MAIN WORK****SPW-1 DESCRIPTION OF WORK**

This is a Borough-wide annual contract to install water mains in connection with new building construction, or to improve the City's water main distribution system pertaining to water quality and fire protection on an as needed basis. Contract drawings/plans showing new water main work are not issued with this contract, but will be furnished to the Contractor with each Task Order, for the duration of this contract.

Work by Others - In the event there is need for required services in the borough(s) designated in the contract, the Commissioner reserves the right not to issue a task order to the Contractor and to have the work performed by another contractor, or by City employees, if the Commissioner, in the Commissioner's sole opinion, determines that the Contractor may be unable to satisfactorily provide the required services in a timely fashion.

**SPW-2 WORK TO BE DONE UNDER THIS CONTRACT**

Under this contract the Contractor may be required to install water mains in connection with new building construction. The Contractor may also be required to install water mains to improve the City's water distribution system, replace existing water mains requiring tap transfers or to cut in additional fire hydrants as deemed needed to existing water mains. The Contractor may be further required to replace existing nonfunctioning and/or defective fire hydrants on existing water mains, replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains and/or replace existing nonfunctioning and/or defective valves on existing water mains.

The Contractor shall be prepared to report to any designated location in accordance with Section SPW-4 - Issuance of Task Orders.

It shall be the Contractor's responsibility to obtain any and all permits needed to do the work under this contract, which shall include, but not be limited to, permits obtained from the Department of Transportation (Bureau of Traffic Operations), Police Department, Fire Department and the Transit Authority.

The Contractor is required to give twenty-four (24) hours prior notice before the start of the work in a manner satisfactory to the Engineer, to the Transit Authority, Department of Transportation (Bureau of Traffic Operations), Police Department and Fire Department so that proper arrangements can be made for maintaining traffic during the course of the work.

The attention of the Contractor is also called to the fact that under this type of contract, the City is not able to determine accurately in advance the quantity of each size of pipe and appurtenances that will be required to be installed as the quantities are dependent upon applications for water service to new buildings over which the City has no control.

The quantities of work set forth herein are only an estimate; they are not a guarantee of work and are included solely for the purpose of bid computation.

The City, however, will endeavor with each task order to have drawings/plans available for the Contractor to install the pipe quantities herein specified, as measured along the axes of the pipes in place and no allowance will be made if the quantities of the various sizes of pipe and appurtenances differ from that as specified.

At the conclusion of the contract, any task orders furnished to the Contractor in which work has not already commenced will be deleted from the contract. No additional compensation shall be made to the Contractor for these deleted locations. However, the Contractor may request from the Engineer to work beyond the expiration date of the contract provided there are sufficient funds and quantities of all necessary items to complete the required work. No extra allowance other than an extension of time will be granted to the Contractor to complete the proposed work.



The attention of the Contractor is also called to the fact that the duration of the contract is three hundred sixty-five (365) days and that the City does not guarantee or stipulate that the pipe laying work will be continuous.

The Contractor may be required to install water mains, including hydrants and appurtenances, all excavations/restorations, etc. at various locations, in the borough. The Contractor will also be required to cut in additional fire hydrants as deemed needed to existing water mains, replace existing nonfunctioning and/or defective fire hydrants on existing water mains, replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains and/or replace existing nonfunctioning and/or defective valves on existing water mains. Task orders together with drawings/plans will be issued to the Contractor by the Commissioner or the Commissioner's duly authorized representative as applications warrant.

### SPW-3 WORK COMMENCEMENT AFTER RECEIVING TASK ORDER

Following the execution of the contract, water main installation drawings/plans will be issued with each task order to the Contractor by the Commissioner or the Commissioner's duly authorized representative. The water main drawings/plans will be issued to the Contractor as applications for water service to new buildings needs, distribution/fire protection needs, water quality needs and/or service needs which may warrant water main and/or appurtenance installations.

Based upon past experience, the following are approximate proportions of the total footage of pipe installed in various streets of contract, over six (6) month periods:

<u>Installation in Streets</u>	<u>Proportion</u>
75' to 150' in length	2%
151' to 300' in length	15%
301' to 500' in length	17%
501' and longer in length	66%

The City shall not be held responsible should these percentages differ for the work to be done under this contract.

As such, this contract may include the installation or replacement of hydrants and valves, as required, and spot repairs with minimal, if any, pipe replacement. The work of installing or replacing hydrants and valves shall include but not be limited to the following:

#### For Replacing Existing Fire Hydrants:

(a) On Cast Iron Water Mains: Replace fire hydrant, 6-inch gate valve, 6-inch hydrant pipe connection and hydrant valve box to existing water main. Also, replace three-way connection on existing main and lengths of water main pipe for pipe restraint on each side of the three-way in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.

(b) On Ductile Iron Water Mains: Replace fire hydrant and 6-inch hydrant pipe connection to the outlet of the existing hydrant gate valve. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.

#### For Replacing Existing Air Cock Hydrants:

On All Trunk Mains: Replace air cock hydrant and 6-inch hydrant pipe connection to the outlet of the existing hydrant gate valve. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.

#### For Installing A New Fire Hydrant To An Existing Main:

On All Water Mains: Install fire hydrant, 6-inch gate valve, 6-inch hydrant pipe connection, hydrant valve box, install three-way connection on existing main and lengths of water main pipe for pipe restraint on each side of the three-way in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.



For Replacing Existing Gate Valves:

On All Water Mains: Replace gate valve, valve box and lengths of water main pipe for pipe restraint on each side of the valve in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also reconstruct sidewalk, curb and roadway areas as required.

For Installing A New Gate Valve On An Existing Main:

On All Water Mains: Install gate valve, valve box and lengths of water main pipe for pipe restraint on each side of the valve in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also reconstruct sidewalk, curb and roadway areas as required.

**SPW-4 ISSUANCE OF TASK ORDERS**

- (A) **GENERAL:** The Contractor shall, for the duration of this contract, provide services as directed by the Engineer to install water mains in connection with new building construction, or to improve the City's water main distribution system pertaining to water quality and fire protection on an as needed basis, in accordance with the terms and conditions set forth herein.
- (B) **TRANSMISSION OF TASK ORDERS:**
- (1) The Engineer shall advise the Contractor of the need for services by issuing Task Orders to the Contractor as set forth in **paragraph (C)** below. The Engineer shall send Task Orders to the Contractor by e-mail, fax, or by telephone promptly confirmed by e-mail and/or fax.
  - (2) The Contractor shall, for the duration of this contract, provide and maintain at its place of business a dedicated telephone line, a dedicated e-mail address and a dedicated fax line for the receipt of Task Orders hereunder. The e-mail and fax machine shall be in operation twenty-four (24) hours per day, seven (7) days per week, for the duration of this contract. The Contractor shall not be entitled to any compensation for the provision of such equipment. All expenses for the required telephone, e-mail and fax lines shall be deemed included in the unit prices bid for all items in this contract.
- (C) **TASK ORDER:** When the need for services arises, the Engineer shall issue a Task Order to the Contractor together with drawings/plans. The Task Order shall specify the items set forth below:
- (1) Description and Location of the Project
  - (2) Length of Work
  - (3) Services to be Performed (install water mains in connection with new building construction, install water mains to improve the City's water main distribution system, replace existing water mains requiring tap transfers, to cut in additional fire hydrants on existing water mains, to replace existing nonfunctioning and/or defective fire hydrants on existing water mains, to replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains, replace existing nonfunctioning and/or defective valves on existing water mains, etc.)
  - (4) Completion Time (consecutive calendar days for completing work on each task order)
- (D) Time is of the essence as the public health and safety are involved. Accordingly, the Contractor shall perform the work at each and every ordered location promptly and diligently, using such means and methods of work as will assure its expeditious and satisfactory completion without delay. In light of the difficulty of ascertaining the amount of the City's damages in the event that the Contractor does not complete a task order within the time specified by the Engineer, the Contractor shall be assessed the amount stipulated in Schedule "A" for each consecutive calendar day over the completion time specified in each issued written task order, as and for liquidated damages and not as a penalty for failure to complete a task order within the time specified.
- (E) **PERSONNEL:** The Contractor shall provide adequate personnel and equipment at each ordered location. Prior to the start of work the Engineer shall approve such personnel and equipment. The Engineer reserves the right to determine the personnel and equipment required to adequately and



properly carry out the intent of this contract. The Contractor must be prepared to provide adequate personnel and equipment to perform the services specified herein at up to three (3) concurrent sites.

- (F) **NO RIGHT TO REFUSE:** The Contractor shall have no right to reject or decline to perform any Task Order issued under this contract. However, if the Contractor is unable to begin the required work for any reason, the Contractor shall so notify the Engineer by telephone as soon as possible, such notifications to be followed by an explanation in writing as to the reasons why the Contractor is unable to begin the required work.
- (G) **SUPPLEMENTARY TASK ORDERS:** The Contractor shall perform only the work specifically ordered by the Engineer in the written Task Order. The Department of Design and Construction reserves the right to order additional work through Supplementary Task Orders issued by the Engineer, as the work on the original Task Order progresses.

#### **SPW-5 EXAMINATION AND VIEWING OF SITE, ETC.**

In Contract Book, Volume 2 of 3, INFORMATION FOR BIDDERS, Page 2, Section 8 - Examination and Viewing of Site, Consideration of Other Sources of Information and Changed Conditions, DELETE Paragraph (A), in its entirety and **SUBSTITUTE** the following:

"(A) Contractor (Investigation) Viewing of Sites - The Contractor after issuance of task order from the Commissioner or duly authorized representative must carefully view and examine the site of the proposed work, as well as its adjacent areas, and seek other usual sources of information, for the Contractor will be conclusively presumed to have full knowledge of any and all conditions on, about or above the sites relating to or affecting in any way the performance of the work to be done under this contract which were or should have been indicated to a reasonably prudent Contractor. Upon examination of the sites and/or from other usual sources of information, the Contractor finds conditions that are unusual, and may materially affect the cost of the work to be done under this contract, the Contractor shall follow the procedure specified in INFORMATION FOR BIDDERS, Page 2, Section 8, Paragraph (B)."

#### **SPW-6 GUARANTEED MINIMUM**

In the event the Contractor is not issued any Task Orders hereunder, the City agrees to pay, and the Contractor agrees to accept, a minimum fee of two thousand dollars (\$2,000.00). The Contractor further agrees that under such circumstances, the Contractor has no action for damages or for loss of profits against the City.



**B. NOTICE TO BIDDERS**

- (1) The Contractor is advised that the duration of the contract is one (1) year from the date of Order to Commence Work.
- (2) (A) The Contractor is advised that copies of the Standard Sewer And Water Main Specifications (dated July 1, 2014), Sewer Design Standards (dated September 2007) Revised January 2009), Specifications For Trunk Main Work (dated July 2014) and Water Main Standard Drawings (latest revisions) are available to all prospective bidders at no cost upon presentation of receipt of purchase of Bid Package at the following location:

Department of Design and Construction  
Division of Infrastructure  
Design Services, Specifications, 3<sup>rd</sup> Floor  
30-30 Thomson Avenue  
Long Island City, NY 11101

(B) The Contractor is advised that copies of the Standard Highway Specifications (Volume I and II) (dated November 1, 2010), Standard Highway Details of Construction (latest revisions), Division of Street Lighting Specifications (latest revisions), Division of Street Lighting Standard Drawings (latest revisions), Standard Specifications for Traffic Signals (latest revisions), and Standard Drawings for Traffic Signals (latest revisions) are available to all prospective bidders for a fee at the following location:

Department of Transportation  
55 Water Street, Ground Floor  
New York City, NY 10041

- (3) 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.
- (4) 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.
- (5) 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.
- (6) 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.
- (7) 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 1<sup>st</sup>, April 1<sup>st</sup>, July 1<sup>st</sup> and September 1<sup>st</sup>) 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.

- (8) The Contractor is responsible for any damage to the existing street and traffic signal equipment, including underground conduits and the safety of both pedestrian and vehicular traffic for the duration of the contract.

Should any conduits, cables or foundations need repair due to the Contractor's negligent operations during construction, all work shall be performed according to NYCDOT Bureau of Traffic's Standard Drawings and Specifications at the sole expense of the Contractor.

It is the Contractor's responsibility to secure an approved electrical contractor to perform all traffic signal work (if any). For list of approved electrical contractors, contact Mr. Michael R. LeFosse of New York City Department of Transportation at (718) 786-2236.

- (9) (A) There is no provision for "ENGINEER'S FIELD OFFICE" in this contract, as per **New York City Department of Transportation (NYCDOT) Standard Highway Specifications Section 6.40 - Engineer's Field Office.**

- (10) The Contractor will be required to prepare and submit "**As Built**" sewer record drawings to the Engineer for approval, at the completion of each installation. Drawings submitted at the completion of the entire contract after all installations shall not be accepted. Approved "**As Built**" drawings shall be delivered to the Department of Environmental Protection, Chief of Emergency Construction, 59-17 Junction Boulevard, 6th Floor - High Rise, Corona, New York, 11368, Tel. No. (718) 227-1868. The following guideline is provided for the preparation of "**As Built**" sewer record drawings:

(A) Drawings shall be prepared for each individual unrelated location. The drawings shall be submitted in CADD format on CD's along with a plotted Mylar for each location drawing. The drawings on CD's and the plotted Mylar's shall be legal size (8-1/2" x 14"). The Mylar shall be 3-mil in thickness.

(B) The "**As Built**" drawings shall conform to Department of Environmental Protection (DEP) Emergency Construction Drawings (ECD). A sample copy of the ECD may be obtained at the above office together with DEP guidelines. These DEP guidelines are summarized below:

- (1) Drawings shall consist of the same legend and layout of title boxes shown on the sample ECD drawing.
- (2) Drawings shall consist of a location plan view on one sheet. The location plan view shall be drawn Not-To-Scale.
- (3) Drawings shall contain a note making reference to the datum used. (Datum used shall be that of the Borough where the sewer is located.)
- (4) Each plotted Mylar drawing shall contain the signature and stamp of the Contractor's NYS Professional Engineer/Registered Architect.
- (5) The location plan view shall include:
  - (a) street name and two (2) crossing streets or distance from;
  - (b) north arrow;
  - (c) property lines and widths;
  - (d) curb lines and widths;
  - (e) sewers, manholes, catch basins, connections (No horizontal bends allowed on sewer lines);
  - (f) sewer sizes, materials (ESVP, RCP, DIP, etc.), and types (New, Existing, Sanitary, Storm, Combined, etc.);
  - (g) sewer length (between centerlines of manholes);
  - (h) sewer flow direction;
  - (i) offsets of sewer lines or extensions from property lines (not curb lines);
  - (j) foundations (concrete cradle, stone ballast, piles, etc.);
  - (k) manholes types (Precast, Concrete, Brick, A-1, A-2, etc.);
  - (l) manhole elevations (both rim and invert);



- (m) manhole stationing along installed sewers;
  - (n) catch basins types (Type 1, Type 2, etc.);
  - (o) catch basin connections;
  - (p) show actual number of manholes and catch basins;
  - (q) house connection spurs (stations and locations);
  - (r) address of house connections (new connections and reconnections);
  - (s) house connection information at curb (station, length, depth and offset from the curb);
  - (t) details of non-standard structures or appurtenances constructed;
  - (u) location of all existing and installed offset distances from property lines;
  - (v) for shotcreted sewers (thickness and reinforcement of shotcreting); and
  - (w) all appropriate notes.
- (6) Examples of notes that can be used are as follows:
- (a) Unless otherwise noted, all house connections are 6" ESVP;
  - (b) Unless otherwise noted, all catch basins are Standard Type 1;
  - (c) Unless otherwise noted, all new curb connections are at a depth of approximately 8-feet at the curb and are 2-feet inside the curb line;
  - (d) Unless otherwise noted, all built manholes are brick;
  - (e) Unless otherwise noted, all catch basin connections are 12" DIP on crushed stone;
  - (f) unless otherwise noted, all ESVP sewers are installed on 6" concrete cradle;
  - (g) Pipe lengths are measured from inside face of manhole to inside face of manhole.

(C) The cost of preparing and submitting "**As Built**" approved drawings shall be deemed included in the prices bid for all scheduled bid items in the contract. No separate or additional payment will be made for this work.

- (11) The Contractor will be required to prepare and submit "As-Built" water main record drawings to the Engineer for approval, at the completion of each installation. Drawings submitted at the completion of the entire contract after all installations shall not be accepted. Approved "As-Built" drawings shall be delivered to the Department of Environmental Protection, Chief of Emergency Construction, 59-17 Junction Boulevard, 6th Floor - High Rise, Corona, New York, 11368, Tel No. (718) 227-1868. The following guideline is provided for the preparation of "As-Built" water main record drawings:

(A) Drawings shall be prepared for each individual unrelated location. The Contractor shall prepare the "As-Built" drawings on AutoCAD and shall provide to the City two (2) sets of Mylar and AutoCAD files on a CD for each location drawing. For Trunk Mains - The drawings shall be on CD's and the plotted Mylar's shall conform to the standard size of 22" x 36" (559-mm. x 914-mm.) using a 1"=30' (1:360) horizontal and 1"=10' (1:120) vertical scale. The Mylar shall be 3-mil in thickness. For Distribution Mains - The drawings shall be on CD's and the plotted Mylar's shall be field card size 6" x 4". The Mylar shall be 3-mil in thickness. Two (2) copies on regular field card stock paper shall also be provided.

(B) The "As-Built" drawings shall conform to Department of Environmental Protection (DEP) Emergency Construction Drawings (ECD). A sample of the ECD may be obtained at the above office together with DEP guidelines. These guidelines are summarized below:

- (1) Drawings shall consist of the same legend and layout of title boxes shown on the contract drawings.
- (2) Each plotted Mylar drawing shall contain the signature and stamp of the Contractor's NYS Professional Engineer/Registered Architect.
- (3) The drawings shall include:
  - (a) street name and crossing street(s) or distance from;
  - (b) north arrow;
  - (c) property lines and widths;
  - (d) legal and existing street widths, street alignment and grades;
  - (e) "new" curb lines and widths;
  - (f) water main center line measured off the "new" curb line;



- (g) horizontal stationing for all valves, hydrants, outlets, blow-offs, house service connections, etc., measured on a horizontal line as established by the Borough Office Bureau of Topographic;
- (h) alignment and appurtenance location stationing, and deflection angles;
- (i) cover and elevations (Datum used shall be that of the Borough where work is located);
- (j) location of pipe joints;
- (k) profile of all piping;
- (l) complete details of all outlet piping roundabouts;
- (m) complete details of all blow-off connections to the sewer;
- (n) complete details of all air cocks;
- (o) location of taps and access manholes;
- (p) location of all cathodic protection stations;
- (q) Venturi sensing lines plans and profiles;
- (r) all appropriate notes.

(C) The cost of preparing and submitting "As Built" approved drawings shall be deemed included in the prices bid for all scheduled bid items in the contract. No separate or additional payment will be made for this work.

- (12) Any spot repair shall mean that the existing sewer at locations shall be replaced in the kind to the extent as specified by the Engineer.
- (13) The cost of sewer replacement under spot repair shall be deemed included in the price bid for item Nos. 1.A50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS), Item No. 1.B50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.C50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.D50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.E50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10), Item No. 1.F50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.G50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.H50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.I50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.J50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.K50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.L50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.M50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.N50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.O50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.P50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO.



1.B50.31PC08), Item No. 1.Q50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.R50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.S50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.T50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.U50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.V50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.W50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.X50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.Y50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Z50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.AA50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.BB50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), and Item No. 1.CC50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10).

- (14)The Contractor shall be required to televise the condition of existing sewers between the adjoining existing/new manholes before and after the spot repair work is completed. The cost of the TV inspection shall be deemed included in the price bid for item No. 53.11DR - TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS.
- (15)The Contractor is notified that at some locations there presently exists sewers, manholes, water mains, etc., which are to remain undisturbed and are in close proximity to the line of the proposed work. The Contractor shall exercise extreme care, minimize the trench width of the proposed sewers and take all necessary precautions in placing sheeting and during excavation of the trenches to prevent any damage to the existing structures that are to remain while working adjacent to them. Should any damage occur to any portion of the existing structures that are to remain due to the Contractor's operations, the Contractor shall make all repairs to the existing structures to the satisfaction of and as directed by the Engineer. The cost of such repair shall be borne by the Contractor solely at the Contractor's own expense.



**C. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS**

- (1) **Refer** to Standard Highway Specifications Volume II (November 1, 2010), Page 544:  
**Add** the following new **Section 9.32**:

**SECTION 9.32 - Reinforced Silt Fence**

**9.32.1. DESCRIPTION OF WORK.** The Contractor shall furnish all materials, labor, equipment and incidentals necessary to construct a reinforced silt fence, comprised of a construction (limiting) fence, filter fabric, and staked hay bales, as specified herein.

Upon furnishing and installing the approved reinforced silt fence but prior to commencing any other work on-site, the Contractor shall notify the Engineer and arrange for an on-site inspection.

The reinforced silt fence shall be maintained in good condition and repaired as necessary by the Contractor during the construction and post-construction/site stabilization phases as directed by the Engineer.

**9.32.2. MATERIALS AND METHODS.**

(1) Construction (Limiting) Fence: The construction (limiting) fence shall be a welded wire fence with a minimum height of six (6) feet. The fence shall be constructed of wire fabric fastened to the middle rails and to vertical line posts.

Wire fabric shall be of No. 6 gauge wire with a mesh of approximately 2-inches. The upper edge of the fabric shall be twisted and barbed. The fabric shall be securely fastened to vertical line posts and middle rails by means of ties and spaced not more than 12-inches apart on rails and not more than 14 inches apart on line posts.

Post shall have the following nominal outside diameters and minimum weights per linear foot:

- (a) Line posts 2-1/2-inches @ 3.7-lbs.
- (b) End and corner posts 3-inches @ 5.8-lbs.
- (c) Middle rails 1-5/8-inches @ 2.3-lbs.

The construction (limiting) fence shall be located where directed. The fence shall be adjusted to avoid interference with trees and to maintain access.

Line posts shall be spaced not more than 6-feet on centers. Posts shall be securely set in the ground. Line posts shall extend at least 4-feet below finished grade. Post locations shall be adjusted to avoid tree roots as appropriate.

(2) Filter Fabric: Filter fabric shall be securely attached to the vertical line posts and wire fabric, and shall be situated between the wire fabric and staked hay bales.

The filter fabric shall be purchased and delivered in a continuous roll and cut on-site to the length of the barrier(s) to avoid the use of joints. Dimensions of the roll shall be thirty-six (36) inches by one hundred (100) feet in length. When joints are necessary, filter cloth shall be spliced together only at a line post, with a minimum 6-inch overlap, and securely sealed. The filter fabric shall meet NYSDOT specifications on same, and shall be fabric #2130 as manufactured by Mutual Industries Inc., 707 W. Grange Street, Philadelphia, PA 19120, or approved equivalent.

A trench shall be excavated approximately 4-inches wide and 4-inches deep along the line of posts and up slope from the barrier. The filter fabric shall be extending into the trench, the trench backfilled, and the soil compacted over the filter fabric.



Siltation fences shall be removed when they have served their useful purpose, but not before the up slope area has been permanently stabilized.

(3) Hay Bales: All hay bales shall be of straw, and shall be standard sized bales. Bales shall be placed in a single row, with ends of adjacent bales tightly abutting one another. Bales shall be placed up slope of the filter fabric, and shall at all times run parallel to the construction (limiting) fence and abut the filter fabric.

All bales shall be fiber-bound. No string bound hay bales are accepted. Hay bales shall be installed so that bindings are oriented around the sides rather than along the tops and bottoms of the bales in order to prevent deterioration of the bindings.

The hay bale barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a depth of 4-inches. After the bales are staked and chinked, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built up to 4-inches against the uphill side of the hay bale barrier.

Each bale shall be securely anchored by at least two stakes or steel reinforcing bars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes or reinforcing bars shall be driven deep enough into the ground to securely anchor the bales.

The gaps between bales shall be chinked (filled by wedging) with straw to prevent water from escaping between the bales. The Contractor shall scatter loose hay over the area immediately uphill from the straw bale barrier to increase barrier efficiency.

Hay bale barriers shall be removed when they have served their usefulness, but not before the up slope areas have been permanently stabilized.

**9.32.3. MAINTENANCE.** The reinforced silt fence shall be inspected periodically (at least once per week), or as directed by the Engineer. Any required repairs shall be made immediately.

Filter fabric shall be inspected at least once per week and immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately. Should the fabric decompose or become ineffective prior to the end of the expected usable life while the barrier is still necessary, the fabric shall be replaced promptly.

Hay bales shall be inspected at least once per week and immediately after each rainfall and at least daily during prolonged rainfall. Close attention shall be paid to the repair of damaged bales, end runs and undercutting beneath bales. Necessary repairs to barriers or replacement of bales shall be accomplished promptly. Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half foot deep in front of the hay bale. Any sediment deposits remaining in place after the hay bale barrier is no longer required shall be dressed to conform to the existing grade.

**9.32.4. MEASUREMENT.** The quantity to be measured for payment under this section shall be the total number of linear feet of Reinforced Silt Fence installed and maintained in accordance with the plans, specifications and directions of the Engineer. Each linear foot of Reinforced Silt Fence shall be comprised of the following three elements: a construction (limiting) fence, filter fabric and staked hay bales.

**9.32.5. PRICE TO COVER.** The unit bid price shall constitute full compensation for all labor, materials, equipment, and incidentals necessary to complete the work, including but not limited to the furnishing of all samples and tests as required, in accordance with the plans and specifications and to the satisfaction of the Engineer.

*Payment will be made under:*



Item No.	Item Description	Pay Unit
9.32	REINFORCED SILT FENCE WITH STAKED HAY BALES	L.F.



**D. 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

There are CON EDISON facilities in the areas of reconstruction. The existing systems are comprised of underground ducts, service boxes, manholes, street lighting, utility poles, underground transformer vaults, etc. The Contractor shall notify CON EDISON within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Robert Mata, Section Manager Contract Administration and Inspection (Brooklyn), 118-29 Queens Boulevard, Room B206, Forest Hills, NY 11375, at (718) 275-2935.

(2) NATIONAL GRID

There are NATIONAL GRID facilities in the areas of reconstruction. The Contractor shall notify NATIONAL GRID within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Neville Jacobs Jr., (Brooklyn) at (718) 963-5612.

(3) VERIZON

There are VERIZON facilities in the areas of reconstruction. The Contractor shall notify VERIZON within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Ed Palmer, (Brooklyn) at (718) 977-8138.

(4) TIME WARNER CABLE OF NEW YORK AND CABLEVISION

There are TIME WARNER CABLE and CABLEVISION facilities in the areas of reconstruction. The Contractor shall notify TIME WARNER CABLE and CABLEVISION within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Paul Fucci, V.P., Technical Operations at (718) 888-4250 or Ed Vomero at (718) 888-4232.

- (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. James Garin, P.E., Director, Engineering at the Department of Environmental Protection, 59-17 Junction Blvd., 3rd floor low rise, Corona N.Y. 11368, within the initial response time specified at time of notification of the task order at each ordered location.

(2) NEW YORK CITY FIRE DEPARTMENT

Special New York City Fire Department Requirements:

- (a) Access must be maintained for emergency vehicles at all times.
- (b) Hydrants should be retained in service and accessible to the fullest extent feasible.
- (c) The Fire Department must be notified by the Bureau of Water Supply and Wastewater Collection forthwith when water mains and/or hydrants are placed out of service and in service.
- (d) If alarm boxes or alarm facilities are affected, the Bureau of Fire Communications must be notified immediately by the Contractor.



(e) During the course of the work at several locations, the Contractor may be required to relocate and/or protect existing Fire Department subsurface facilities. The approximate location of Fire Department Facilities can be obtained by contacting the Bureau of Fire Communications.

(f) All work on Fire Department facilities is to be done under direct Fire Department supervision, to the satisfaction of the Fire Department.

(g) Standards and specifications for the work of replacing Fire Communications system are available for reference at the:

New York City Fire Department  
Bureau of Fire Communications  
9 Metrotech Center, 7th Floor  
Brooklyn, N.Y. 11201-3857  
Attention: Stephen M. Gregory  
Assistant Commissioner  
Bureau of Fire Communications

### (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 Boulevard, Long Island City, N.Y. 11101 at (718) 786-3550, within the initial response time specified at time of notification of the task order at each ordered location.

### (4) N.Y.C. DEPARTMENT OF PARKS AND RECREATION

#### Special Department Of Parks And Recreation Requirements:

Department of Parks and Recreation requirements for this contract are as follows and are considered as part of this contract. The Contractor's special attention is directed to the following:

(a) Care shall be taken to protect all existing trees. The Contractor shall ensure that all trees are protected from construction damage, and shall perform all work as directed by the Borough Forester, the Engineer and the Tree Consultant. Trees damaged as a result of the Contractor's negligent construction operation shall be replaced in accordance with Subsection 10.06. The Contractor shall be liable for such damages and shall repair and replace such trees at own expense.

(b) The Contractor shall prune all trees shown, specified or ordered before excavation begins. All pruning of limbs and roots of existing trees shall be performed by an Arborist or firm recognized as a tree surgery or pruning specialist with three (3) years experience. The Contractor must submit the qualifications of the Arborist or firm for approval by the Borough Forestry prior to the pruning operation. The Contractor is notified that a permit for pruning is required. All work shall be performed in accordance with Subsection 10.06.

(c) Trees shall be protected in accordance with Subsection 10.06.

(d) The Contractor shall not be permitted to operate auxiliary equipment that generates exhaust or other heat upward (i.e. generators and compressors), under the branches of trees where the branches are less than twenty-five (25) feet above the ground. The Contractor shall not be permitted to store, stockpile, lay down or store any construction material within any existing tree pit within the canopy of any tree, or within ten (10) feet of the tree trunk, whichever is greater.

(e) All tree work requires a permit from the Parks Departments.

(f) Hand excavation shall be required around existing fire hydrants to be removed, if the Borough Forester or the Engineer determines that such work shall cause damage to tree roots. No



separate or additional payment will be made for this hand excavation the cost shall be deemed included in the prices bid for all scheduled items.

(g) The Director of Borough Forestry of the Department of Parks and Recreation shall be notified at time of notification of the task order when such task order impacts trees and their root and canopy system. The applicable Borough Forestry Office is as follows:

Central Forestry: - 1234 Fifth Avenue, New York, NY 10029, Tel. No. (212) 360-1400

(5) N.Y.C. TRANSIT AUTHORITY

The Contractor shall notify the Transit Authority within the initial response time specified at time of notification of the task order by contacting Mr. John Malvasio, P.E., Director of Maintenance-Of-Way, 30 Livingston Street, Room 8044D, Brooklyn, New York, 11201, at (718) 694-1358 if any T.A. facility is within fifty (50) feet of the reconstruction work.

(3) **Refer** to Subsection 10.30 - Contractor To Provide For Traffic, Page I-15:

**Add** the following to Subsection 10.30:

(A) TRAFFIC STIPULATIONS:

The Contractor shall obtain all permits and traffic requirements from the Office of Construction Mitigation and Coordination (OCMC) prior to the start of work at any ordered location. The Contractors shall contact Nicolas Dagher at 212-839-9637 or John Martin at 212-839-9639, NYC Department of Transportation, Division of Engineering Control, 55 Water Street, 7<sup>th</sup> Floor, New York, NY 10041.

(4) **Refer** to Subsection 10.32 - Photographs, Page I-16:

**Delete** paragraphs number (7), (8) and (9) in their entirety:

**Substitute** the following new paragraphs:

(7) The cost of the Photographer and for the taking and providing of all required photographs, negatives, etc., shall be deemed included in the unit price bid for Item No. 10.32A - PHOTOGRAPHS.

(8) No separate payment will be made for the expense of furnishing the required binders; the cost thereof shall be deemed included in the unit price bid for Item No. 10.32A - PHOTOGRAPHS.

(9) The Engineer reserves the right to reject any and all views that are not reasonably clear and definitive. No payment will be made for any rejected photographs, payment under Item No. 10.32A - PHOTOGRAPHS, shall be made only for those photographs that are accepted by the Engineer.

(5) **Refer** to Section 40.06 - Backfilling, Page IV-18:

**Delete** from this section, Subsection 40.06.2(D) - CLEAN FILL in its entirety:

**Substitute** the following new Subsection 40.06.2(D):

(D) CLEAN FILL

(1) Clean fill material for this contract shall be select granular fill ordered in writing by the Engineer where there is a deficiency of acceptable backfill. Select granular fill material shall be required in order to fill voids in the trenches and excavations, (For Sewers Trenches - from a point not less than two (2) feet above the top of sewers to the underside of the pavement as it existed at the start of the work; and, For Water Main Trenches - from a point not less than twelve (12) inches above the top of the barrel of the water main pipe to the underside of the pavement as it existed at the start of the work), caused by the removal of boulders, unsuitable backfill materials, existing sewers and associated sewer structures, and any other underground facilities or structures, and



shall be approved clean earth or sand of low silt and clay content (less than eight (8) percent passing No. 200 sieve), free from bricks, blocks, excavated pavement materials and debris, stumps, roots and other organic matter, as well as ashes, oil and other perishable or foreign matter and shall not contain particles larger than one quarter (1/4) inch in diameter.

- (2) This backfill shall be exclusive of the normal backfill required in the trenches and excavations for proposed sewers and associated sewer structures for which payment is included therein. Payment shall be made in accordance with **Subsection 40.06.6**.

(6) **Refer to Section 40.06 - Backfilling, Page IV-18:**

**Delete** from this section, paragraphs (B) and (C) of **Subsection 40.06.6 - Deficiency Of Backfill Material** in their entirety:

**Substitute** the following new paragraphs:

- (B) For providing acceptable select granular fill (whether natural or processed) to satisfy the requirements of **Subsection 40.06.2(D)** to fill voids left by the removal of ledge rock payment shall be made under Item No. 70.61RE - ROCK EXCAVATION. The Contractor's attention is directed to **Section 70.61 - Rock Excavation** of the specifications, and that all references to clean fill therein, shall mean select granular fill.

- (C) For providing acceptable select granular fill (whether natural or processed) to satisfy the requirements of **Subsection 40.06.2(D)** payment shall be made under Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL. The Contractor's attention is directed to **Section 73.41 - Additional Select Granular Backfill** of the specifications, with the addition that the conditions for use as specified in **Subsection 73.41.1** shall be expanded to include those specified in **Subsection 40.06.2(D)** as amended hereinbefore.

(7) **Refer to Section 70.51 - Excavation Of Boulders In Open Cut, Page VII-37:**

**Add** the following new **Subsection 70.51.6**:

**70.51.6 EXISTING SEWER ENCASED IN CONCRETE**

The Contractor is advised that at certain locations, the existing sewer to be removed may be encased in concrete. Where this condition is encountered, the Contractor shall remove the concrete encasement from the site. The quantity, in cubic yards, to be measured for payment shall be determined by taking the total volume of the encased sewer including the cradle portion less the volume of the sewer pipe. Payment shall be made at the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT and shall cover the cost of all labor, materials, plant, equipment and insurance necessary to remove the concrete encasement, together with all work incidental thereto, as directed by the Engineer. The cost of any additional backfilling required to be done in connection with this work shall be deemed included in the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT.

(8) **Refer to Subsection 71.41.4 - Specific Pavement Restoration Provisions, Pages VII-67 and VII-68:**

**Add** the following to **Subsection 71.41.4**:

- (E) Specific Pavement Restoration Provisions:

Upon completion, at each and every ordered location, of the reconstructed collapsed or otherwise defective storm, sanitary or combined vitrified clay pipe sewers and the backfill and compaction of all sewer and water main trenches, the Contractor shall permanently restore all roadways, sidewalks and curbs within the ordered limits of the trench width and cutbacks as follows:

- (1) Roadway Restoration:



- (a) The permanent roadway restoration over the **trench widths 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 high-early strength concrete, to match the existing pavement as directed by the Engineer.
- (b) 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 (c).
- (c) 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.
- (d) At locations requiring the installation of a high-early strength concrete base course, a reflective cracking membrane shall be installed over joints prior to restoration. Additionally, appropriate pavement keys as described below shall be used as required by the Engineer.
- (e) 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.
- (f) The cost of all labor, materials, equipment, samples and tests required and necessary to permanently restore the roadway over the trench width and cutbacks only shall be deemed included in the prices bid for Item No. 1.A50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS), Item No. 1.B50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.C50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.D50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.E50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10), Item No. 1.F50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.G50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.H50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.I50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.J50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.K50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.L50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.M50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE



\$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.N50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.O50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.P50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Q50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.R50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.S50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.T50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.U50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.V50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.W50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.X50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.Y50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Z50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.AA50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.BB50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.CC50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 60.12D20 - LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS, Item No. 60.12D12 - LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS, Item No. 60.12D08 - LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS, and Item No. 60.12D06 - LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS. No separate or additional payment will be made for any one and one-half (1-1/2) inches of asphaltic concrete wearing course, binder mixture, high-early strength concrete, reflective cracking member, tack coating, excavation of pavements, stripping or milling of existing pavements, etc. required to permanently restore the roadway over the trench width and cutbacks, cost shall be deemed included in the prices bid for the items specified herein paragraph (f).

(2) Sidewalk And Curb Restoration:

- (a) The permanent sidewalk restoration over the **trench width and cutbacks only** shall consist of 4" concrete sidewalk (unpigmented) outside driveway and 7" concrete sidewalk (unpigmented) inside driveway and pedestrian ramps, as directed by the Engineer. All sidewalks shall be restored in full flag units.



(b) Since all sidewalks shall be restored in full flag units, the cutbacks for sidewalk restoration shall be defined as the distances beyond the edges of the trenches that require removal in order to get to an adjacent undisturbed full flag unit. For the purpose of this contract sidewalk shall be saw-cut, removed and restored in full flag units up to a maximum overall width of ten (10) feet (two (2) full flag units).

(c) The permanent restoration of curbs over the **trench width only** shall consist of concrete curb, straight steel faced concrete curb, depressed steel faced concrete curb and corner steel faced concrete curb, as directed by the Engineer.

(d) The cost of all labor, materials, equipment, samples and tests required and necessary to permanently restore the sidewalk and curb over the trench width and cutbacks only shall be deemed included in the prices bid for Item No. 1.A50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS), Item No. 1.B50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.C50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.D50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.E50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10), Item No. 1.F50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.G50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.H50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.I50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.J50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.K50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.L50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.M50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.N50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.O50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.P50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Q50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.R50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.S50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No.



1.T50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.U50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.V50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.W50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.X50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.Y50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Z50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.AA50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.BB50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.CC50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 60.12D20 - LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS, Item No. 60.12D12 - LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS, Item No. 60.12D08 - LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS, and Item No. 60.12D06 - LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS. No separate or additional payment will be made for any concrete sidewalk including 6" foundation material, straight and depressed concrete and steel faced concrete curb, corner steel faced concrete curb, excavation of sidewalks and curbs, etc. required to permanently restore the sidewalk and curb over the trench width and cutbacks, cost shall be deemed included in the prices bid for the items specified herein paragraph (d).

(3) In all streets requiring water main work, the permanent pavement 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 high-early strength concrete, to match the existing pavement as directed by the Engineer.

(4) The following requirements apply to the areas specified in subsection (3) above:

- (a) Before the top course is installed, an additional width of asphalt beyond the edge of new base course shall be saw-cut and removed from all edges of trenches to a depth to accommodate the specified top course and the entire area restored. This additional removal shall be in accordance with paragraph (b) below.
- (b) Pavement excavation along with saw cutting of pavements for water main trenches shall be in accordance with **Section 71.21 - Pavement Excavation** of the Standard Sewer And Water Main Specification.
- (c) At locations requiring the installation of a concrete base course, a reflective cracking membrane shall be installed over joints prior to restoration, 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 tack coating, removal of pavement markings and replacement with thermoplastic reflectorized pavement markings (crosswalks and lane dividers), placement and eradication of temporary roadway markings, stripping or milling of pavement keys and adjustment of city-owned castings shall be deemed included in the prices bid for all pavement restoration items.
- (f) Payment for pavement restoration shall be made under the following items:

<u>Item No.</u>	<u>Item</u>	<u>Payment Description</u>
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 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 in Type A and B Keys.)
4.04 H	Concrete Base For Pavement, Variable Thickness For Trench Restoration, High-Early Strength	(For concrete base course over trenches and cutbacks.)

(5) The cost for excavation of pavements within limits of sewer and water trenches and cutbacks, tack coating, removal of pavement markings and replacement with thermoplastic reflectorized pavement markings (crosswalks and lane dividers), placement and eradication of temporary roadway markings, stripping or milling of pavement keys and adjustment of city owned castings shall be deemed included in the prices bid for the items specified in paragraph (1)(f) above and paragraph (2)(d) above of this section. No separate or additional payment will be made for this work.

(6) All Sidewalks; Driveways; Curbs; Corner Curbs; Pedestrian Ramps; and Roadway base courses, top courses and wearing courses shall be installed in conformance with the latest Department of Transportation Specifications and Standard Details, except as amended herein.

(7) The Contractor shall exercise caution during the construction operation, so as to prevent damage and/or disturbance to sidewalks, curbs and roadways outside the ordered reconstruction limits of trench width and cutbacks.

(8) All disturbed grass sidewalk areas over the trench width and cutbacks only shall be restored in conformance with the **New York City Department of Transportation (NYCDOT) Standard Highway Specifications Section 4.19 - Sodding**. The cost of all labor, materials, equipment, samples and tests required and necessary to install sod in grass sidewalk areas over the trench width and cutbacks shall be deemed included in the prices bid for the items specified in paragraph (1)(f) above and paragraph (2)(d) above of this section. No separate or additional payment will be made for this work.

(9) Should granite block, asphalt block or brick pavement be encountered over the trench width and cutbacks only, five (5) inches of binder mixture shall be substituted for the blocks and bricks removed. The binder mixture shall be installed on a base course of a minimum of six (6) inch of high-early strength concrete and topped with 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 to match the existing pavement as directed by the Engineer. All granite or brick removed shall be delivered to the designated City Yard. The cost of all labor, materials, equipment, samples and tests required and



necessary to install new pavement as described herein to replace granite block, asphalt block or brick pavement over the trench width and cutbacks shall be deemed included in the prices bid for the items specified in paragraph (1)(f) above and paragraph (2)(d) above of this section. No separate or additional payment will be made for this work.

(10) If additional roadway restoration is required and ordered in writing by the Engineer outside the ordered limits of trench widths and cutbacks the cost of all labor, materials, equipment, samples and tests required and necessary to perform this additional roadway restoration work shall be deemed included in the prices bid for Item No. 4.02 CA - BINDER MIXTURE, Item No. 4.02 CB - ASPHALTIC CONCRETE MIXTURE, and Item No. 4.04 H - CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH). Included in the prices bid for these items shall be the cost for all excavation of pavements, tack coating, removal of pavement markings and replacement with thermoplastic reflectorized pavement markings (crosswalks and lane dividers), placement and eradication of temporary roadway markings, stripping or milling of pavement keys and adjustment of city owned castings. No separate or additional payment will be made for this work.

(11) If additional sidewalk restoration is required and ordered in writing by the Engineer outside the ordered limits of trench widths and cutbacks the cost of all labor, materials, equipment, samples and tests required and necessary to perform this additional sidewalk restoration shall be deemed included in the prices bid for Item No. 4.13 AAS - 4" CONCRETE SIDEWALK (UNPIGMENTED), and Item No. 4.13 BAS - 7" CONCRETE SIDEWALK (UNPIGMENTED). Included in the prices bid for these items shall be the cost for all, excavation of sidewalks, 6" foundation material, etc. No separate or additional payment will be made for this work.

(9) Refer to Page VII-104:

Add the following new **DIVISION VIII**:

#### **DIVISION VIII**

#### **DETAILED SPECIFICATION FOR RECONSTRUCTION OF COLLAPSED OR OTHERWISE DEFECTIVE STORM, SANITARY OR COMBINED VITRIFIED CLAY PIPE SEWERS**

##### **DSS-1 INTENT**

It is intent of this contract, at all locations and areas ordered under this contract as determined by the New York City Department of Environmental Protection and as directed by the Engineer to reconstruct sections of existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers in roadways, sidewalks, malls, medians, pedestrianways, easements or other non-roadway areas including the reconnection of all existing house sewers, basin connections, and the construction of new manholes as required.

The sections of existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers shall be removed and reconstructed with Extra Strength Vitrified Clay Pipe on Concrete Cradle and/or Precast Reinforced Concrete Pipe on Concrete Cradle, complete, as shown, specified or required.

The Contractor, when so ordered by the Engineer, will be required to substitute the use of Ductile Iron Pipe on Stone Bedding in lieu of Extra-Strength Vitrified Clay Pipe on Concrete Cradle for the various sized pipes indicated in the Bid Schedule. The Ductile Iron Pipe shall meet all of the requirements, standards and specifications of the Department of Environmental Protection. The payment for Ductile Iron Pipe on Stone Bedding will be made under the applicable unit prices bid for the various sizes of Extra-Strength Vitrified Clay Pipe on Concrete Cradle. The substitution of 15-inch Extra-Strength Vitrified Clay Pipe will be made with 16-inch Ductile Iron Pipe.

At each ordered location the length of existing collapsed or otherwise defective Storm, Sanitary or Combined Pipe Sewer to be reconstructed will vary; however, the length will generally not be less than fifteen (15) feet per trench opening. The actual length at each ordered location and the area of reconstruction will be determined by the New York City Department of Environmental Protection and



as directed by the Engineer. For each reconstruction less than a manhole length, the trench opening shall be at least one and one-half (1-1/2) feet longer at the ends of the reconstruction to permit proper jointing.

## **DSS-2 STANDARD SEWER AND WATER MAIN SPECIFICATION**

Unless otherwise specified, all work and materials shall conform to the applicable sections of 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), and the Standard Highway Specifications (Volumes I and II) of the Department of Transportation (dated November 1, 2010) of The City of New York.

## **DSS-3 DEFINITIONS**

Whenever the following pronoun appears in this contract, the meaning and intent shall be interpreted as follows unless a different meaning is clear from the context: "Engineer" shall mean the Director, Bureau of Water and Sewer Operations, Department of Environmental Protection, or a designated representative to act as such in relation to this contract.

## **DSS-4 ISSUANCE OF TASK ORDERS**

- (A) General: The Contractor shall, for the duration of this contract, provide services as directed by the Engineer for the reconstruction of existing sewers or portions thereof, in accordance with the terms and conditions set forth herein. The services to be provided by the Contractor shall include both Initial Services and Reconstruction Services, as described below.
- (B) Transmission of Task Orders:
  - (1) The Engineer shall advise the Contractor of the need for services hereunder through Task Orders, as set forth in **Paragraph (C)** below. The Engineer shall send Task Orders to the Contractor by e-mail, fax, or by telephone promptly confirmed by e-mail and/or fax.
  - (2) The Contractor shall, for the duration of this contract, provide and maintain at its place of business a dedicated telephone line, a dedicated e-mail address and a dedicated fax line for the receipt of Task Orders hereunder. The e-mail and fax machine shall be in operation twenty-four (24) hours per day, seven (7) days per week, for the duration of this contract. The Contractor shall not be entitled to any compensation for the provision of such equipment. All expenses for the required telephone, e-mail and fax lines shall be deemed included in the Contractor's overhead.
- (C) Task Order: When the need for services arises, the Engineer shall issue a Task Order to the Contractor. The Task Order shall specify the items set forth below:
  - (1) Description and Location of the Project
  - (2) Length of Reconstruction Work
  - (3) Reconstruction Services to be performed
  - (4) Reconstruction Time - Time for commencement and completion of work
- (D) Reconstruction Services: The Engineer shall specify the services necessary and required for reconstruction. The Contractor shall perform such reconstruction services within the reconstruction time, as set forth below.
- (E) Reconstruction Time: The Reconstruction Time shall mean the period of time within which the Contractor must complete the required Reconstruction Services. The Reconstruction Time shall be specified in the Task Order. The Contractor is advised that the Reconstruction Time shall be determined by the Department of Environmental Protection, in its sole discretion.



Time is of the essence as the public health and safety are involved. Accordingly, the Contractor shall perform the work at each and every ordered location promptly and diligently, using such means and methods of construction as will assure its expeditious and satisfactory completion without delay.

- (F) Personnel: The Contractor shall provide adequate personnel and equipment at each ordered location. Prior to the start of work the Engineer shall approve such personnel and equipment. The Engineer reserves the right to determine the personnel and equipment required to adequately and properly carry out the intent of this contract and to order personnel and equipment in excess of that normally required for the work to be done, off the job site. No payment will be made for such excess personnel and equipment. The Contractor must be prepared to provide adequate personnel and equipment to perform the services specified in **Paragraphs (C) and (D)** above at up to three (3) concurrent reconstruction sites.
- (G) No Right To Refuse: The Contractor shall have no right to reject or decline to perform any Task Order issued under this contract. However, if the Contractor is unable to begin the work of reconstruction for any reason, the Contractor shall so notify the Engineer by telephone as soon as possible, such notifications to be followed by an explanation in writing as to the reasons why the Contractor is unable to begin the required work.
- (H) Supplementary Task Orders: The Contractor shall perform only the work specifically ordered by the Engineer in the written Task Order. The Department of Environmental Protection reserves the right to order additional work through Supplementary Task Orders issued by the Engineer, as the work on the original Task Order progresses.

#### **DSS-5 WORK INCLUDED**

The Contractor shall at each and every ordered location, furnish all labor, equipment, materials and supervision, and shall perform all the work called for within each item ordered including any incidental work required for a complete and satisfactory job.

All labor, equipment and materials necessary for the proper execution and completion of each item of work called for are to be furnished and delivered by and at the cost and expense of the Contractor, and the work executed and completed in every detail whether specifically mentioned or not.

The Contractor must be prepared to do this work without prepared plans.

At each ordered location the Contractor shall remove and clean the sewer of any debris up to and including manholes on both sides of the section of sewer being reconstructed during and after the completion of the work.

#### **DSS-6 EXISTING CONDITIONS**

The Contractor is advised that the Engineer will furnish to the Contractor, where available, plans of the existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers.

The Contractor is further advised that since the reconstructed sewer is to be within the same trench where the existing collapsed or otherwise defective pipe sewer was constructed, it is assumed that the original trench was backfilled with acceptable materials and that no exceptionally large boulders, or other obstructions would hinder or delay the excavation work. If boulders, rip-rap and other large objects as herein before specified in excess of one-half (1/2) cubic yard in volume are encountered during the excavation down to the top of the existing collapsed or otherwise defective pipe sewer, payment for the removal of same will be paid for at the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT. The entire boulder shall be measured where practicable. The resultant void shall be backfilled and paid for under Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL.



The average depth to be excavated to subgrade for the reconstructed sewer is eight (8) to nine (9) feet, varying from a minimum depth of four (4) feet to a maximum depth of twelve (12) feet. Deeper sewer excavations to a maximum depth of twenty (20) feet, shall be paid for under Item No.73.31AE2 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 12' TO 16' DEPTH) and Item No. 73.31AE3 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 16' TO 20' DEPTH).

#### **DSS-7 PAYMENT FOR WORK PERFORMED**

The Contractor shall include in the unit price bid for each item of work, the cost of all labor, equipment, materials, supervision, overhead, profit, insurance, and all other services required to execute and complete each item of work.

Payment will be made at the unit price bid for the various items of work ordered in writing by the Engineer and actually performed and incorporated into the work. The Contractor is advised that the payment for each increment of length of sewer to be replaced will be made at the unit prices bid for each increment of length of sewer to be replaced according to the following schedule:

- (a) Minimum fifteen (15) linear feet.
- (b) Additional length beyond the minimum fifteen (15) linear feet to a maximum of one hundred (100) linear feet. Fixed unit price as listed in the contract document - bid schedule of prices.
- (c) Additional length beyond one hundred (100) linear feet. Fixed unit price as listed in the contract document - bid schedule of prices.

#### **DSS-8 PROCEDURAL ORDERS TO CONTRACTOR**

The Contractor shall either give personal attention to the work or employ and retain a competent superintendent or foreman at each and every ordered location while the work is in progress. Instructions given to the superintendent or foreman shall be considered as having been given to the Contractor.

#### **DSS-9 CITY TO NOTIFY CITY DEPARTMENT**

At the time the Engineer orders the Contractor to proceed with the work, the Department of Environmental Protection shall notify and transmit a copy of the order to start work to all public and private agencies concerned. These notifications shall be in addition to the Contractors required notifications of public and private agencies as specified herein.

At the start of the work, the Contractor will be furnished with a temporary street opening permit by the Department of Environmental Protection. However, the Contractor shall obtain the prescribed permits from the Department of Transportation prior to the start of work.

#### **DSS-10 MEASUREMENTS**

All measurements shall be made under the supervision of the Engineer. The Contractor's representative shall notify the Engineer when measurements are to be made so the Engineer may be present at that time, the Contractor shall record all measurements and give the Engineer duplicate copies of these measurements.

#### **DSS-11 WORK ORDERED BY THE ENGINEER AND NOT OTHERWISE COVERED IN THE DETAILED SPECIFICATION.**

During the course of the work being performed at any ordered location, it may be necessary for the Engineer to order, in writing, extra work not otherwise covered in the task order and in the Detailed Specifications. Payment for extra work for which there are classified bid item(s) shall be made under the unit price bid for the respective bid item(s). Payment for extra work for which there are no specific classified bid item(s) shall be made in accordance with **Articles 25 and 26** of the Contract.



**DSS-12 INSPECTION OF MATERIALS FURNISHED**

In lieu of the procedure for the inspection of materials to be furnished, as called for in **DIVISION III** of the Standard Sewer And Water Main Specifications, the City will accept certificates from the Contractor's materials suppliers stating that the materials furnished and incorporated in the work at each ordered location, meets the requirement of the appropriate sections of the specifications. Such material certificates shall be provided to the Engineer by the completion date specified in the task order for each ordered location.

**DSS-13 TREES TO BE REMOVED AND REPLACED**

During the work of reconstructing sewers in sidewalk or mall areas, the Contractor, when ordered in writing by the Engineer and approved by the Parks Department, shall remove trees along the line of the work. The cost of all the labor and materials required to remove trees, as directed, shall be deemed included in the unit prices bid for the respective tree removal items.

Where trees along the line of the work are removed, as directed, the Contractor shall replace such trees with new trees in accordance with the requirements of the Department of Parks and Recreation. The cost of all the labor and materials required to furnish and place new trees, as directed, together with the cutting of tree pits and all work incidental thereto, shall be deemed included in the unit price bid for Item No. 4.16 CA405 - TREES PLANTED, 3" TO 3-1/2" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS.

**DSS-14 ADDITIONAL SIDEWALK RESTORATION**

The Contractor is notified that during the work of reconstructing sewers at any ordered location, the Engineer may order additional sidewalk reconstruction outside the ordered trench and cutback restoration limits.

The cost of all the labor and materials required to perform this ordered additional existing concrete sidewalk removal and reconstruction outside the ordered sewer and water main trench and cutback restoration limits, together with all work incidental thereto, shall be deemed included in the unit prices bid for Item No. 4.13 AAS - 4" CONCRETE SIDEWALK (UNPIGMENTED), and Item No. 4.13 BAS - 7" CONCRETE SIDEWALK (UNPIGMENTED).

It shall be understood that such sidewalk reconstruction is in addition to and does not include sidewalk restoration included in the unit price bid for the reconstruction of sewers and water mains.

**DSS-15 ADDITIONAL ROADWAY RESTORATION**

The Contractor is notified that during the work of reconstructing sewers at any ordered location, the Engineer may order additional roadway reconstruction outside the ordered trench and cutback restoration limits.

The cost of all the labor and materials required to perform this ordered additional existing roadway removal and reconstruction outside the ordered sewer and water main trench and cutback restoration limits, together with all work incidental thereto, shall be deemed included in the unit prices bid for Item No. 4.02 CA - BINDER MIXTURE, Item No. 4.02 CB - ASPHALTIC CONCRETE MIXTURE, and Item No. 4.04 H - CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH).

It shall be understood that such roadway reconstruction is in addition to and does not include roadway restoration included in the unit price bid for the reconstruction of sewers and water mains.

**DSS-16 METHOD OF PAYMENT**

The following items of work herein specified are provided in order to afford the City of New York opportunity to have such work done if found necessary. It shall be understood by the Contractor that



the work as specified under any one of these items may be ordered by the City of New York and in the unit quantities found necessary by the Department of Environmental Protection. The City of New York, however, is not bound to order any of the work specified under these items. Payment will be made only for the actual number of unit quantities ordered under each item.

In the execution of any work under any of these items, the Contractor shall see that the work is progressed as quickly as possible and without delay. All labor, equipment and materials necessary for the proper execution and completion of each item of work called for are to be furnished and delivered by and at the cost and expense of the Contractor and the work executed and completed in every detail whether specifically mentioned or not.

The contract prices for Extra Strength Vitrified Pipe Sewers and/or Precast Reinforced Concrete Pipe Sewers shall be the unit price bid per linear foot for each size, kind, class and type of sewer and shall cover the cost of all labor, materials, equipment, samples and tests required and necessary to construct the extra strength vitrified pipe sewers and/or the precast reinforced concrete pipe sewers of the sizes and to the lines and grades as shown, specified, or ordered, including the earth excavation of all materials of whatever nature encountered (See **Section 40.03 - Earth Excavation** and except excavation of concrete encased sewers and other large objects as specified herein); all pumping and work required to eliminate blockages and restore and maintain sewage flow, all sheeting and bracing; pumping; fluming; bridging; decking; breaking down and filling in of abandoned sewer appurtenances; connections; concrete cradle and encasements; maintaining flow in sewers; backfilling; cleaning up; mobilization (except mobilization for dewatering purpose); temporary restoration of street surfaces; support and maintenance of existing City structures that are encountered during excavation (including curbs, stoops, fences, copings, vaults, light poles, etc.); removal of existing collapsed or otherwise defective sewers and their foundation supports of broken stone or concrete cradle; removal, reconstruction and reconnection of existing house sewer connections together with spurs and risers for existing house connections; removal, reconstruction and reconnection of existing basin connections; removing and cleaning the sewer of any debris up to and including manholes on both sides of the section of sewer being reconstructed during and after the completion of the work at any ordered location; permanent restoration of all roadway top courses and base courses within the limits of trenches and cutbacks; permanent restoration of all sidewalks within the limits of trenches and cutbacks (sidewalks shall be restored in full flag units up to a maximum overall width of ten (10) feet) together with foundation material; permanent restoration of all curbs, malls, medians, pedestrianways and other non-roadway areas within the limits of trenches and cutbacks together with foundation materials; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the plans, specifications and standards and as directed by the Engineer. In addition, included in the price hereunder shall be the cost of all labor and materials necessary to construct the concrete cradle so that it shall extend under the existing sewer one and one-half (1-1/2) feet beyond the pipe joints at each end of the reconstructed sewer; and to construct at both ends where the reconstructed sewer joins the existing sewer, joints that shall be encased with a four (4) inch thick concrete encasement, twelve (12) inches long on either side of the joint.

When additional spurs are required and ordered in writing by the Engineer for future house connections, payment shall be made for these in place additional spurs under the prices bid for Item No. 52.31V06P00 - 6" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER, and Item No. 52.31V08P00 - 8" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER.

When additional risers are required and ordered in writing by the Engineer for future house connections, payment shall be made for these in place additional risers under the prices bid for Item No. 52.21V08 - 8" E.S.V.P. RISER FOR HOUSE CONNECTION, and Item No. 52.21V10 - 10" E.S.V.P. RISER FOR HOUSE CONNECTION.

When basin connections are required and ordered in writing by the Engineer to be relayed in a new location, payment shall be made for these in place basin connections under the price bid for Item No. 52.11D12 - 12" DUCTILE IRON PIPE BASIN CONNECTION.



Payment for in place additional steel reinforcing bars required and ordered in writing by the Engineer shall be made under the price bid for Item No. 73.51AS - ADDITIONAL STEEL REINFORCING BARS.

Payment for in place additional select granular backfill required and ordered in writing by the Engineer shall be made under the price bid for Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL.

Payment for in place additional brick masonry required and ordered in writing by the Engineer shall be made under the price bid for Item No. 73.11AB - ADDITIONAL BRICK MASONRY.

Payment for in place standard manholes required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 51.21S0A1000V - STANDARD MANHOLE TYPE A-1, and Item No. 51.21S0B1000V - STANDARD MANHOLE TYPE B-1. Included in the respective prices bid shall be the cost for the removal of existing manholes. If no manhole exists where a new manhole is required and ordered, a credit will be taken for the omitted work.

Payment for in place standard catch basins required and ordered in writing by the Engineer shall be made under the price bid for Item No. 51.41S001 - STANDARD CATCH BASIN, TYPE 1. Included in the respective prices bid shall be the cost for the removal of existing catch basins. If no catch basin exists where a new catch basin is required and ordered, a credit will be taken for the omitted work.

Payment for excavation of boulders in open cut required and ordered in writing by the Engineer shall be made under the price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT.

Payment for in place planted trees required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 4.16 CA405 - TREES PLANTED, 3" TO 3-1/2" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS. Included in the price bid shall be the cost for tree pits, fertilizer, stakes and wire, topsoil, etc.

Payment for additional earth excavation required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 73.31AE2 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 12' TO 16' DEPTH), and Item No. 73.31AE3 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 16' TO 20' DEPTH). Included in the prices bid shall be the cost for additional sheeting, bracing and pumping required beyond the limits hereinbefore mentioned.

Payment for in place stone ballast required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 70.71SB - STONE BALLAST. Included in the price bid shall be the cost for additional excavation for placement of stone ballast.

Payment for in place additional concrete required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 73.21AC - ADDITIONAL CONCRETE.

Payment for maintenance and protection of traffic required and ordered in writing by the Engineer shall be made under the price bid for Item No. 6.70 - MAINTENANCE AND PROTECTION OF TRAFFIC. Included in this item will be payment for making the area safe for residents and for pedestrian and vehicular traffic within the initial response time.

Payment for maintenance of site required and ordered in writing by the Engineer shall be made under the price bid for Item No. 7.13 A - MAINTENANCE OF SITE.

Payment for in place fencing required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 70.31FN - FENCING.

Payment for television inspection and digital audio-visual recording of sewers required and ordered in writing by the Engineer shall be made under the price bid for Item No. 53.11DR - TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS.



Payment for removal of trees required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 4.16 AA - TREES REMOVED (4" TO UNDER 12" CALIPER), Item No. 4.16 AB - TREES REMOVED (12" TO UNDER 18" CALIPER), Item No. 4.16 AC - TREES REMOVED (18" TO UNDER 24" CALIPER), and Item No. 4.16 AD - TREES REMOVED (24" CALIPER AND OVER).

Payment for maintenance tree pruning required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 4.18 A - MAINTENANCE TREE PRUNING (UNDER 12" CALIPER), Item No. 4.18 B - MAINTENANCE TREE PRUNING (12" TO UNDER 18" CALIPER), Item No. 4.18 C - MAINTENANCE TREE PRUNING (18" TO UNDER 24" CALIPER), and Item No. 4.18 D - MAINTENANCE TREE PRUNING (24" CALIPER AND OVER).

Payment for 8-inch, 12-inch and 20-inch water main offsets and replacements required and ordered in writing by the Engineer due to water mains crossing sewer trenches and water mains interfering with sewer trenches shall be made under the prices bid for the various water main items provided in the contract for water main work actually performed.

Payment for photographs required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 10.32A - PHOTOGRAPHS.

Payment for Bid Schedule Item Nos. DSS014A1 - CLEANING OF SEWER (LESS THAN 24" DIAMETER) and DSS014A2 - CLEANING OF SEWER (24" TO 48" DIAMETER), will be made on a per linear foot basis for sewers successfully cleaned at the unit price bid.

Payment for Bid Schedule Item No. DSS014B - CLEANING OF MANHOLE, will be made for each manhole cleaned as directed by the Engineer at the unit price bid

#### **DSS-17 GUARANTEED MINIMUM**

In the event the Contractor is not issued any Task Orders hereunder, the City agrees to pay, and the Contractor agrees to accept, a minimum fee of two thousand dollars (\$2,000.00). The Contractor further agrees that under such circumstances, the Contractor has no action for damages or for loss of profits against the City.



**E. 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.



**F. SPECIAL PROVISIONS**

The following shall become a part of and apply to the contract:

- (A) **LINES AND GRADES**: The Contractor shall furnish lines and grades in accordance with **Subsection 1.06.27** of the Standard Highway Specifications, except that survey controls established for this project may no longer exist and the Contractor shall be required to re-establish the survey control information using official Borough Survey Control Monuments and Bench Marks, where they exist. The Contractor shall check with Topographic Section of the Borough President's Office as to the reliability and accuracy of the data to be used for lines and grades.
- (B) **SPECIFIC TRAFFIC STIPULATIONS**: Under this contract, the Contractor shall perform the work in strict accordance with the requirements of **Subsection 1.06.44 and Section 6.70** of the Standard Highway Specifications, specific traffic stipulations as called for on the contract drawings that may be provided with the task order, OCMC Traffic Stipulations to be obtained by the Contractor, and the directions of the Engineer. In case of a conflict, the Engineer's decision shall be final.
- (C) **HOLIDAY EMBARGO**: A special construction embargo may be in effect on the Friday of the week preceding Thanksgiving Day week from 6:00 AM to 11:59 PM and again from the Monday of Thanksgiving Day week from 6:00 AM through January 2, at 11:59 PM. Street and sidewalk construction will be restricted from 6:00 AM to midnight during the upcoming holiday season on the roadways listed below\*. Any permits issued prior to the date of this notice for work in the areas listed for the Holiday Embargo which do not already have the Embargo Waiver traffic stipulation "410" are hereby voided for the period of Friday of the week preceding Thanksgiving Day week at 6:00 AM through January 2, at 11:59 PM. The permits will be in effect again on January 3. All permittees must comply with this embargo unless a special waiver is granted by OCMC. Waiver requests must be filed at least thirteen days before Thanksgiving Day, with the Permit Office by filing a "Request for Roadway/Sidewalk Permits During Embargo Periods" with supporting documentation. Work may only occur from 12:01 AM to 6:00 AM with the issuance of the necessary permits, no Embargo Waiver request is needed for work during these times. Waiver requests should only be submitted for critical reasons for a specific project. If a waiver is granted, you will be notified to apply for the approved permits. Necessary measures must be taken to ensure that all streets and sidewalks are in proper condition to allow for the expeditious and safe movement of vehicular and pedestrian traffic. OCMC will also impose similar restrictions on public utilities and private contractors for those roadways that are listed below by borough. Tool carts, cable reels, containers, and material stored on roadways must be removed during the embargo period. Utility cover openings are prohibited on roadways noted below between the hours of 6:00 AM and midnight unless the utility or Contractor can prove an emergency exists.

Temporary restoration of the streets and sidewalks and removal thereof, if required for the Holiday Embargo period, will be paid for under the appropriate scheduled items.

No extension of time due to the shutdown period will be granted to the Contractor for completion of the work.

Please note that this embargo only applies to NYCDOT construction permits.

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\* For the list of Holiday Construction Embargo locations and maps for each Borough, see the following web site: <http://www.nyc.gov/html/dot/html/motorist/trafalrt.shtml>



- (D) **SPECIAL EVENT CONSTRUCTION EMBARGO**: The Contractor is notified that a "SPECIAL EVENT CONSTRUCTION EMBARGO" will be in effect for all the locations included in this project. The Contractor is prohibited from working during any special events, festivals, street fairs, parades, etc., including relocation of storage areas, as directed by the **NYCDOT - Office of Special Events**, and must make safe the area as directed and/or ordered by the Engineer and must comply with the event categories and stipulations as listed below:

Event Categories And Stipulations:

- (1) **Street Fairs/Festivals:**
  - (a) All excavations must be plated with skid resistant plates.
  - (b) Plates must be recessed and flush with pavement.
  - (c) All pavement defects must be corrected within or adjacent to work zone.
  - (d) The Contractor is responsible for any defects within the immediate vicinity if DOT Street and Arterial Maintenance cannot make repairs due to project interference. (As determined by DOT).
  - (e) All equipment, trailers and material storage must be removed.
- (2) **Running/Walking/Biking:**
  - (a) All excavations must be backfilled and paved or plates must be recessed and paved over flush with pavement.
  - (b) All pavement defects must be corrected within or adjacent to work zone.
  - (c) The Contractor is responsible for any defects within the immediate vicinity if DOT Street and Arterial Maintenance cannot make repairs due to project interference. (As determined by DOT).
  - (d) All equipment, trailers and material storage must be removed.
- (3) **Parades:**
  - (a) All excavations must be backfilled and paved or plates need to be recessed and paved over flush with pavement.
  - (b) Formation & dispersal areas plates must be recessed and flush with pavement. (Plates must be skid resistant)
  - (c) All pavement defects must be corrected within or adjacent to work zone.
  - (d) The Contractor is responsible for any defects within the immediate vicinity if DOT Street and Arterial Maintenance cannot make repairs due to project interference. (As determined by DOT).
  - (e) All equipment, trailers and material storage must be removed.
- (4) **Mayoral:**
  - (a) All excavations must be backfilled and paved or plates need to be recessed and paved over flush with pavement.
  - (b) All pavement defects must be corrected within or adjacent to work zone.
  - (c) The Contractor is responsible for any defects within the immediate vicinity if DOT Street and Arterial Maintenance cannot make repairs due to project interference. (As determined by DOT).
  - (d) All equipment, trailers and material storage must be removed.

All work for temporary restoration of the streets and sidewalks and removal thereof, if and as required for the "SPECIAL EVENT CONSTRUCTION EMBARGO" period, will be paid to the Contractor under the appropriate scheduled items. There will be no additional payment for the removal and storage of equipment, trailers and material etc., as ordered.

The Contractor is advised to acquire a copy of the latest **Special Events Schedule/Calendar** that is available at the **NYCDOT - Office of Special Events**



- (E) PRIVATE UTILITY FACILITIES WORK: The Contractor is advised that this project contains private Utility Facilities work as specified in Addendum No. 4 to this contract and the reference document titled "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN" is available for pick-up in the Bid Procurement Office at 30-30 Thomson Ave., Long Island City, NY 11101.

Unit Price Items that are listed in the Bid Schedule that begin with "JB" are to be done in accordance with the corresponding "JB" specifications contained in the reference document titled "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN" as amended by Addendum No. 4, herein Volume 3 of 3.

- (F) DISPOSAL OF EXCESS EXCAVATED MATERIAL: All excess excavated material, with the exception of contaminated material, shall become the property of the Contractor and shall be properly disposed of away from the site, at the Contractor's expense. Contaminated material shall be disposed of separately in accordance with contract requirements.
- (G) CONTRACT ITEMS THAT INCLUDE BACKFILL AS A PART OF THEIR WORK: The following shall pertain to all contract items that have backfill as a part of their work: Backfilling shall comply with **Subsection 4.11.3** of the Standard Highway Specifications and no additional payment will be made for any Highway or Street Lighting work item requiring Contractor to furnish additional fill material to meet these requirements when backfilling.

- (H) SCHEDULING PRESENTATION: The Contractor shall submit construction schedule in the form of a bar chart using "Microsoft Project 2010" or latest version, or in an approved equivalent program which shall be directly and fully translatable into Microsoft Project 2010 format, within seven days of receiving the initial task order. Each bar in the chart shall show dates the Contractor plans to start and complete each construction activity after receiving each task order. Bar chart shall show the order and interdependence of all activities necessary to complete the work and the sequence in which activity is to be accomplished as planned by the Contractor and in accordance with all subcontractors or suppliers whose work shall be shown on the bar chart. The Contractor shall submit the bar chart for the Engineer's review and revise it, if required, until approved by the Engineer.

The Contractor shall submit weekly progress status update reports or as otherwise directed by the Engineer. The Contractor shall submit updated bar chart every month. The revised bar chart shall be made in the same form and detail as the original submittal and shall be accompanied by an explanation of the reasons for the revisions all of which shall be subject to approval by the Engineer.

- (I) ACCELERATED PROJECT SCHEDULE AND COMBINATION OF STAGES: Contractor shall plan and/or stage the Contractor's work schedule using all hours/days available. Contractor is advised that all applicable unit prices shall include, for the purpose of this contract, all overtime costs, premium time costs, shift differentials required to complete construction within the specified "Time(s) of Completion" stipulated in this contract.

Contractor shall be permitted to accelerate this project, to combine stages and/or work sequences. Any such changes shall be shown in the construction schedule, to be furnished in accordance with the General Provisions of the Standard Highway Specifications and the above "SCHEDULING PRESENTATION" Article, and shall be submitted for approval of the Engineer.

- (J) NOISE CONTROL: The Contractor is directed to Title 24, Chapter 2 of the Administration Code of the City of New York, known as the "New York City Noise Code" by the Department of Environmental Protection. The provisions of this code and its most recent additions and revisions shall apply to this contract.
- (K) UNDER-SIDEWALK VAULTS. The Contractor is hereby advised that under-sidewalk vaults may be present in both sidewalk and roadway areas within the project limits. Where Contractor claims any locations cannot be completed because of vaults, the Contractor should indicate by which method the Contractor has determined vault interference and provide that information to the Engineer.



Prior to any sidewalk excavation, the Contractor shall be responsible to verify the existence of under-sidewalk vaults. The Contractor shall perform visual sidewalk reconnaissance; search for and examine record drawings; gain access to cellars and obtain measurements within vaults; and perform sub-surface radar examination or use other non-destructive methods to locate possible vault structures. Where these above methods of verification are not available to the Contractor, the Contractor shall then be required to locate the vault envelopes and their roof depth below finished sidewalk grade by drilling holes (at no direct payment), as directed by the Engineer.

The Contractor shall be liable for any damage to the under-sidewalk building vaults and/or its contents and/or occupants due to the Contractor's failure to verify the pre-existing vault condition.

Vault records may be available from the following (or other) sources:

- A. NEW YORK CITY DEPARTMENT OF BUILDINGS
- B. MS. PENNY A. JACKSON  
FOIL / RECORDS ACCESS  
OFFICE OF LITIGATION SERVICES AND RECORDS MANAGEMENT  
NYC DEPARTMENT OF TRANSPORTATION  
55 WATER STREET, 6<sup>TH</sup> FLOOR  
NEW YORK, NY 10041
- C. NEW YORK CITY DEPARTMENT OF FINANCE

Where vault roofs are determined to interfere with construction of standard pedestrian ramps, the Engineer's may approve for construction of, or installation of, non-standard pedestrian ramps, which may include relocation of ramps and/or partial roadway ramps.

An overall field sketch of each corner suspected of having a vault, along with at least one photograph (3" x 3" minimum) of each location, and the results of the Contractor's investigation shall be furnished by the Contractor to the Engineer for review at least ten (10) working days prior to start of work at that respective corner. Said photographs shall be in addition to those required under the contract. Each field sketch shall show measurements of affected areas of vaults, the building line as a reference guide which can be employed to indicate the vault envelope in the sidewalk, the boundaries of the underground structures, curb reveals, and location of proposed pedestrian ramps. No additional payment is to be made for this overall sketch.

Any vault structures punctured by the Contractor's operations shall be repaired by the Contractor to match the existing structure. Said hole in vault structures shall be temporarily repaired with an approved epoxy mortar, or securely steel plated if permanent repairs are not completed prior to the end of that same working day. No holes in vault roofs shall be left unattended at any time.

The Contractor shall also be responsible to replace damaged water proofing directly over vault roofs at the Contractor's own expense.

- (L) PRICES TO INCLUDE: No direct payment will be made for costs incurred in complying with the foregoing Special Provisions, unless otherwise provided. Said costs will be deemed to have been included in the prices bid for all the scheduled contract items.





## THE CITY OF NEW YORK Department of Sanitation

S. ELIZABETH SEARLE  
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for Legal Affairs

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### Department of Sanitation Rules and Regulations Governing Non-Putrescible Solid Waste Transfer Stations

#### INTERPRETIVE MEMORANDUM # 2 February 14, 1995

**Subject: Temporary Storage and Processing of Construction and Demolition Debris  
by New York City Agency Contractors**

Contractors performing construction work for New York City agencies may be required to excavate dirt, concrete, rock, gravel and similar materials ("construction materials") from a contract site or to remove from a contract site construction materials resulting from construction, demolition, alteration, repair or renovation of structures, streets or buildings. On street construction projects, construction materials required to be excavated or removed may also include asphalt. The purpose of this Interpretive Memorandum is to (a) define the circumstances under which the Department of Sanitation (the "Department") will not deem its Rules and Regulations Governing Non-Putrescible Solid Waste Transfer Stations (the "Rules") to apply to the temporary storage, processing and/or stockpiling (collectively, "stockpiling") of such construction materials and (b) the procedure for ensuring such exemption. It is the responsibility of the contracting agency to oversee its contractors' compliance with the Rules and with this Interpretive Memorandum.

#### 1. When No Transfer Station Permit is Required

Where a City contractor has:

- (a) set aside an area of a contract site for stockpiling construction materials excavated from and/or intended for that site; or
- (b) received written approval from the contracting agency for an off-site stockpiling location,

the Department will not deem such stockpiling location a transfer station and will not require the contractor to obtain a transfer station permit so long as: -

- (c) no construction materials or debris from off the contract site are received at the designated location for subsequent transfer to another location (other than the contract site); and
- (d) the temporary stockpiling location is clearly described as such in the contract or clearly approved by the construction agency and designated as such in writing to the Department by the agency; and
- (e) the construction agency represents in writing to the Department that such agency will monitor the temporary stockpiling location and ensure its clean-up and restoration pursuant to the procedures set out in this memorandum.



Help Reduce  
New York's Waste.





*Example: Street Construction Projects*

As part of a contract for street construction, the contractor may be working at one end of a street and using an area at the other end of the street for the temporary stockpiling of construction materials. Both ends of the street are part of the construction contract site. In addition, the contractor may have leased an off-site location for temporary stockpiling of materials, which, following processing, will be reincorporated into the contract site, with some portion of the remainder designated for delivery to a Department disposal facility. Neither location will be regulated by the Department as a transfer station so long as the procedures set out in this memorandum are followed.

2. Procedure for Exception.

Upon a City construction agency's approval of any location to be designated as a temporary processing, storage or stockpiling area, that agency must determine that (a) its contract with the contractor provides for clean-up and restoration of such area by, for example, the contractor's posting of a restoration bond and/or by contractual set-off and (b) the agency has adequate procedures for monitoring the designated area to ensure that it does not violate the provisions set forth in this memorandum and that such location is cleaned up and restored at the completion of the contract work.

The City construction agency must submit an official letter to the Department acknowledging compliance with both (a) and (b) immediately above and representing that the agency will ensure the contractor's compliance. The letter to be submitted must be in substantially the following form, addressed to the Director, Bureau of Waste Disposal, Department of Sanitation, 125 Worth Street, Room 726, New York, NY 10013:

"The New York City Department of \_\_\_\_\_ (the "Agency")  
has awarded a construction contract to \_\_\_\_\_ (Contractor)  
\_\_\_\_\_ (the "Contractor") for work to be performed at \_\_\_\_\_ (Contract  
Site) \_\_\_\_\_.

a. This Agency has approved the following locations to be used by the Contractor for the temporary storage, processing and/or stockpiling of construction materials (the "Stockpiling Locations") excavated from the construction site or intended for the construction site:

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b. The terms of the contract require the Contractor to clean up and restore the Stockpiling Locations, whether on or off the contract site, at or before the completion of the contract work.

c. This Agency assumes responsibility for the monitoring of Stockpiling Locations to ensure that only materials received from and/or intended for the construction site are stockpiled at such locations and we will enforce clean-up and restoration of such Locations at the end of their use for temporary stockpiling or at the termination of the contract, whichever occurs earlier, through restoration



bonding requirements and/or contractual set-off provisions such that the costs of clean-up and restoration will not become a charge to the Department or the City. "

3. When a Transfer Station Permit is Required

A transfer station permit will be required under any circumstances other than those outlined above. Except in the specifically defined circumstances set forth in this memorandum, any operator of a location or facility which receives, processes, stores or stockpiles construction and demolition debris or fill material for purposes of transfer to another location, including to a New York City Department of Sanitation facility, and whether or not under contract to the Department for the delivery of such materials, will be fully subject to the Department's transfer station rules and liable for enforcement for violations.



**END OF ADDENDUM NO. 2**  
**This Addendum consists of thirty-nine (39) pages.**



**NO TEXT ON THIS PAGE**



**ATTACH TO CONTRACT DOCUMENTS**

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

**PROJECT ID: BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT**

**Together With All Work Incidental Thereto  
BOROUGH OF BROOKLYN**

**ADDENDUM NO. 3**

**DATED: December 24, 2014**

**This Addendum is issued for the purpose of amending the requirements of the Contract Documents and is hereby made part of said Contract Documents to the same extent as if it was originally included therein.**

**GAS COST SHARING (EP-7) STANDARD SPECIFICATIONS**



**EP-7 GAS COST SHARING  
STANDARD SPECIFICATIONS**

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**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 "UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS". When EP-7 bid item "UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS" does not exist, such additional accommodation work shall be at no cost to the City but shall be a matter of adjustment between gas facility operator and Contractor. Private facilities, other than gas, that become in interference due to gas interferences accommodations shall also be accommodated, if so directed by the Resident Engineer at no additional cost to the City and, provided that its owner agrees to be responsible for all additional costs to Contractor, otherwise, such facility shall be ordered by the City to be maintained, shifted, relocated or replaced by its owner at his/her expenses.

#### **2a. Water Main Accommodations:**

When water main construction is to be performed in this contract, Contractor shall be required, if warranted by field conditions, and at locations designated by the Resident or Borough Engineer, to change the vertical or horizontal alignment of water mains including but not limited to all additional labor, material, work method accommodations, furnishing, delivering and laying offset fittings and pipes, etc., necessary in order to complete water main installation and, avoid gas interferences in the project area, including street intersections. Typical work method accommodations shall include, but not be limited to, pier and plate, installation of filter fabric and select fill, etc. Such work shall be performed as directed by the Engineer and in accordance with contract specifications and latest edition of water mains standards and specifications.

#### **2b. Sewer Accommodations:**

When sewer construction is to be performed in this contract, Contractor shall be required, if warranted by field conditions, and at locations designated by the Resident or Borough Engineer, to change the horizontal alignment of sewer facilities (if possible) including but not limited to all additional labor, material, work method accommodations, furnishing, delivering and construction of additional manholes or modification of manholes/catch basins, extending chute connections, house connections, using alternate materials and methods, poured-in-place structures, etc., necessary in order to complete sewer installation and, avoid gas interferences in the project area, including street intersections. The term sewer facility shall include, but not be limited to, all sewer pipe and appurtenances, manholes, catch basins, catch basin chutes, etc. Such work shall be performed as directed by the Engineer and in accordance with contract specifications and latest edition of sewer standards and specifications.

#### **3. Quantity Overruns, EP-7 Funded Bid Items:**

No quantity overrun, in excess of one hundred twenty five (125) percent, shall be permitted for EP-7 funded bid items (gas) included in this contract, except when Resident Engineer determines that such overruns are caused by field modifications to planned City work, or approved construction methods, or contract scope changes. Overruns not paid by City shall be negotiated and paid to Contractor by gas facility operator who then shall be entitled to reimbursement by NYCDEP under established cost sharing procedures.

#### **4. Changes And Extra Work:**

This section is not applicable to work defined under "Emergency Reconstruction Contracts" or so-called "Where and When Contracts" since these projects, by definition, inherently encounter unanticipated gas facilities and cannot be pre-engineered. In all other cases, any contract changes proposed for City work shall also cover and include all associated changes to support and protection of gas facilities affected by such changes to City work. In all other cases where the Contractor finds that City work cannot be performed as planned and specified and/or, as approved because of a need to support, protect and/or alleviate interferences from gas facilities that were not listed and/or shown, or incorrectly shown in contract plans and specifications, he shall immediately notify the Resident Engineer and the facility operators' representative of his findings. Resident Engineer shall promptly examine such claims and determine whether or not such work is covered by contract bid items and /or specifications (contract bid items and specifications shall include city contract items as well as EP-7 items). The Resident Engineer shall also examine the claim to determine if the application of EP-7 bid item "UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS" is appropriate to resolve the claim. If upon examination, the Engineer determines that such field conditions were unanticipated (not shown and/or listed, or incorrectly shown in contract documents) and are not covered by bid items and contract specifications, he shall then direct the Contractor and the affected facility operator to negotiate the cost of supporting and



protecting, and/or alleviating the impact on City work caused by such unanticipated gas facilities with each other with the understanding that the performance of City work shall continue during negotiations. If a cost agreement is reached, the Contractor and facility operator shall adjust such costs between themselves at no additional costs to the City contract. If the Contractor and affected facility operator do not reach an agreement concerning the price to be paid for the extra work within five (5) business days of the Engineer's directive to engage into such negotiations and, after considering: public safety and inconvenience, requirements of laws and regulations applicable to private utilities, integrity of all utility systems, including but not limited to sewer and water, gas, electric, telephone and, cable TV facilities, sound engineering practices, cost (long and short term) to all affected parties, and potential City work delays, then the Resident Engineer, depending on nature and severity of interferences with City work, shall either, direct the facility operator to relocate or replace its facilities at its own discretion and cost, reimbursable by NYCDEP under established gas cost sharing procedures or, direct the Contractor to perform the utility work on actual time, material and equipment costs basis pursuant to relevant contract requirements and amendments. Contract bid prices for any applicable items of work involved shall be applied, or converted to an allowance for time and material charges. Changes shall be for affected portions of utility work and, shall be processed with EP-7 funds.

#### **5. Excavation:**

All excavators shall notify the NYC/LI One Call Center at 1-800-272-4480 at least two (2) working days, not including the day of the call, but not more than ten (10) working days in advance of the start of any excavation work. The gas company(ies) will mark out its facilities within the project limits and provide Construction Inspector(s) during all excavation work in close proximity (within twelve (12) inches) to gas facilities. The Contractor shall exercise extreme caution when excavating in the vicinity of any gas facilities. Hand excavation shall be performed within twelve (12) inches of gas facilities. The Contractor prior to excavating underneath these facilities shall adequately support all gas facilities. Standard support details for gas facilities have been included in the specifications. Any damage to gas facilities shall be reported immediately to the gas company(ies). The Contractor shall be responsible for all cost associated with repairs made necessary by damages caused by his operations.

#### **6. Backfilling And Street Restoration:**

Backfilling operations and street restorations shall be in accordance with contract requirements.

#### **7. Non-Responsive Bids:**

Every gas (EP-7) bid item has a suggested "Not less than" value per unit indicated on contract bid sheet. Bids resulting in cost of less than suggested for EP-7 items are hereby prohibited and if submitted shall be considered NON-RESPONSIVE.

#### **8. Minimum Clearances:**

Clearance requirements for City work shall govern and supersede any clearance requirement of gas facility operator. Therefore, a minimum of twelve (12) inches clearance between private utilities and City water mains, sewers or related structures to be installed in this contract shall be maintained. When this clearance is not attainable, the Resident Engineer may allow a minimum of four (4) inches clearance. With less than twelve (12) inches clearance a neoprene/polyethylene shield (to be provided by facility operator) shall be installed as part of all work item specifications. However, if Resident Engineer determines that City work cannot be performed within allowable clearance and no reasonable City accommodation (no-cost change to City work) is possible, the City shall direct the facility operator to remove, relocate, shift, or alter their facility(ies) pursuant to the New York City Administrative Code.

#### **9. Work By Facility Operator:**

The facility operator may find it necessary to perform the following types of work during performance of City work: accommodating a contractor's request for gas facilities modifications (in order to facilitate City contractor's proposed construction method) or, remedial and emergency work on gas facilities proper with their own resources and materials if an approved method of construction for City work causes unanticipated disturbances to gas facilities or, replacing defective gas facilities when they are exposed by the Contractor and their actual conditions are observable by the facility operator. Also included in the above category of defective gas facilities are: the presence of environmental contaminants attributable to



the gas facility in or around gas facilities. If such work is deemed required by the facility operator or if facility operator is directed by the City to address such deficiencies at any time during the course of construction, the Contractor shall modify the construction schedule at no cost to the City and allow the facility operator five (5) business days to perform such work without interferences. Additional costs to the facility operator (in cases of accommodations) or, Contractor (in cases of defective gas facilities) due to such gas work, if any, shall be the responsibility of the parties involved and not of the City. Such costs shall be a matter of adjustment between the Contractor and the facility operator.

#### **10. Materials Furnished By Facility Operator:**

It shall be the Contractor's responsibility to inspect material to be installed by him immediately upon delivery and advise the facility operator through its authorized representative, of all damaged materials. The Contractor at no additional costs to the City or the facility operator shall replace any material that is damaged or lost after the Contractor's inspection.

#### **11. Liability And Insurance:**

Notwithstanding the provisions of this contract, the existing division of liabilities to third parties shall remain the same as between the City and the company. Therefore, it is specifically agreed by the City, company and Contractor (by bidding on this contract) that for the purpose of any liabilities to third parties, that the City contractor performing work directly and physically relating to gas company facilities in this project, shall be deemed an agent of the company and not an agent of the City, the New York City Municipal Water Finance Authority, or the New York City Water Board. Contractor shall include the company as an additional insured on all insurance policies maintained to comply with the City's insurance requirements.

#### **12. Width And Depth Of Excavation:**

Contractor shall not be authorized to deliberately change trench or excavation widths and/or depth specified without Engineer's approval. Enlargement of any side of excavation up to eighteen (18) inches beyond pay limits (or inside face of sheeting) requested by the Contractor for the installation of certain types of sheeting may be granted. However, such enlargements or those greater than allowable shall not be approved when, in the sole judgment of the City, field conditions allow the water mains and sewer work to be performed within the limits specified and, the sole purpose of such enlargement request is to impact adjacent utilities (public or private) whose support and protection are part of this contract. Any approval shall be given at no additional cost to the City contract, including EP-7 funding, and all costs associated with unauthorized enlargements shall be the sole responsibility of the Contractor.

#### **13. Depth And Crossing Angles Of Gas Facilities:**

Where gas facilities are shown (or specified as) crossing proposed alignment of sewers, water mains, catch basins and chute connections or any other proposed excavations at specific angles (as measured off plans or sketches or specified in contract), it shall be understood that actual field measurements may deviate (plus or minus) forty-five (45) degrees from those shown or specified. The cover, or depth from street surface to top of facilities, shall be as shown or specified in contract documents, no deviation is to be assumed. Where gas facilities are not shown on contract documents, but their support and protection are otherwise included in this contract then, all references to facilities crossing at "various angles and depth" in the gas sections shall mean that such facilities are crossing sewer, water, catch basin and, catch basin chute, and other excavations at a ninety (90) degree angle to the proposed sheeting line or side of excavation (for unsheeted trenches) with an allowable deviation of forty-five (45) degrees in any direction, except for catch basin chute excavation where the allowable deviation shall be sixty (60) degrees. Where the cover is not noted or specified, the bottom face of such facilities shall be assumed to be crossing catch basin chutes at a depth of three (3) foot eight (8) inches or less from the street surface. Paragraph No. 2 above shall apply in cases of distribution water main construction. Appropriate bid items and specifications are provided for cases where angle and depth are greater than stated above. This section also applies to work defined in "Emergency Reconstruction Contracts" or so-called "Where and When Contracts". These contracts are not pre-engineered and consequently have no drawings, sketches or determined locations and so, gas facilities encountered will be crossing existing and proposed sewer, water, catch basin/catch basin chutes and all appurtenances at various angles and depths.



#### **14. Maintenance Of Traffic For Gas Work:**

All work pertaining to gas bid items and specifications shall be performed within the contract maintenance of traffic plan as specified in the contract document. The bid price for the Maintenance and Protection of Traffic shall cover all work pertaining to gas items. The City shall make compensation for additional maintenance and protection of traffic items in connection with gas item of work only when such additional work is deemed reasonable and necessary by the Resident Engineer and is approved by him prior to its performance.

#### **15. Relocated Gas And Temporary Systems Installation:**

In cases where the Contractor is allowed to select the location for temporary construction such as, installation of dewatering headers, wells, well points, etc., he shall not disturb any gas facilities shown on sketches provided in this section. The only exception shall be, if the affected gas company agrees to such relocation and provided that the cost of such relocation is a matter of adjustment between the company and Contractor, and at no cost to the City.

#### **16. Role Of Company Inspector:**

In any case in which the City elects to perform some or all support and protection work with its own employees, personnel or contractors, the facility operator shall provide onsite inspectors to approve and certify such support and protection work (exclusive of City accommodations) performed by the City's own employees, personnel, and contractors. Facility operator's inspectors are not authorized to direct City contractor during the performance of contract work. They shall act through the City Resident Engineer and provide him/her required approvals and certifications, prior to preparing partial payments of EP-7 items, in a format and frequency to be prescribed by the appropriate City Head of Construction.

#### **17. Coordination With Gas Company:**

The Contractor shall be required to notify the gas company(ies), in writing, at least two (2) weeks prior to the start of final paving in order to allow companies to complete any unfinished gas work located within the area to be paved. Every effort shall be made to maintain gas service with minimum inconvenience to the public.

### **III - TECHNICAL SECTION**

#### **SECTION 6.01 - Trench Crossings; Support And Protection Of Gas Facilities And Services.**

##### **1. Description:**

Under this section, the Contractor shall provide all labor, materials, equipment, and incidentals required to support and/or protect the integrity of gas mains, services and appurtenances of any sizes, configurations, and operating pressures crossing trench excavations above subgrade for planned construction of sewers and water mains facilities. A gas service shall be defined as a gas pipe of three (3) inches in diameter or less branching from the main to a customer pick up point or property valve box. A gas main may be any size pipe that is part of a distribution or transmission network other than services described above. Crossings shall be defined as gas facilities spanning the width of excavation (one side to the other side). These crossings may be at various angles and depth as shown on "Gas Cost Sharing Work Standard Sketches Nos. 1 and 1A", and as specified in "General Provisions; Gas Cost Sharing Work Paragraph No. 13" and, at the locations shown or listed in contract documents. The gas company operating in the area, (facility operator), owns these facilities. The work shall be performed in accordance with contract specifications, plans, and at the directions of the Resident Engineer in consultation with the authorized representatives of the facility operator.



## 2. Method Of Construction:

- A. Protection: In general, the gas facilities shall be protected as required by New York State Industrial Code 753. In particular, the Contractor shall use hand excavation methods (pick and shovel or hand held power tools) directly below the pavement base to expose the gas facilities (marked out by facility operators) and to ascertain the clearances and cover of the facilities with respect to the proposed excavation. Upon exposing the affected facilities sufficiently, at the discretion of the Resident Engineer, to ascertain the foregoing, Contractor shall be permitted to proceed with a combination of hand and machine excavation, as appropriate, outside a zone of protection whose limit shall be defined as a perimeter located twelve (12) inches from the outside face of each gas facility crossings (See "Gas Cost Sharing Work Standard Sketch No. 2"). If the facilities are in direct interference with City work, meaning that "Minimum Clearances" described in "General Provisions; Gas Cost Sharing Work Paragraph No. 8" cannot be maintained, and excavation has to be temporarily or permanently abandoned then this particular location shall become a test pit and dealt with as specified in Section 6.07, and "General Provisions; Gas Cost Sharing Work Paragraphs Nos. 2 and 8".
- B. Support: Gas mains or services crossing excavations equal or less than four (4) feet wide are generally self supporting, unless field conditions as determined by the Resident Engineer require otherwise. The support requirements for gas mains and services crossing excavations greater than four (4) feet wide shall be as shown on the attached "Gas Cost Sharing Work Standard Sketch No. 1" and Contractor shall use sheeting methods that permit the maintenance of gas facilities in their existing locations and configurations. Alternate methods equivalent to those shown on the sketch or accommodations by the facility operator proposed by the Contractor in order to facilitate the execution of the specified work shall be allowable, provided that prior approval is obtained by the Contractor from the Engineer and the facility operator. The support and protection of gas facilities crossings shown on plans, drawings, listings or otherwise identified in this contract shall not be circumvented with the issuance of so called "order outs".

## 3. Method Of Measurement:

The Contractor shall be paid for supporting and/or protecting gas facilities crossing trench excavations under the appropriate bid items covered by this section. The Contractor shall be directly responsible to the facility operator for the total cost of using any alternate method requiring the use of resources owned by the facility operator. Regardless of the method used, the City shall pay the bid price for the appropriate support and/or protect item of work. The average rate charged by the facility operator for alternate support and protection work such as, disconnecting and reconnecting gas services is listed in attached "Schedule GCS-A".

## 4. Payment Restrictions:

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 "UTL-GCS-2WS - GAS INTERFERENCES AND ACCOMMODATIONS" 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 Repaving.)**

1. Description:

Under this section, the Contractor shall provide all labor, supervision, materials, equipment, insurance and incidentals required to adjust to final grade gas street surface hardware located within the contract area boundaries shown on the plans. The gas company operating in the area, (facility operator), owns these facilities. The work shall be performed in accordance with the contract plans, specifications and at the directions of the Resident Engineer in concurrence with authorized representative of the facility operator.

2. Materials:

The facility operator shall furnish and deliver all prefabricated hardware parts required. These include adaptors for the grade adjustment proper and new street hardware if existing ones are found to be defective, all in accordance with the facility operator standards and City rules and regulations. The Contractor shall notify the facility operator of the installation schedule at least three (3) business days before materials are required on the site. Should the facility operator fail to deliver the necessary material according to any schedule mutually agreed upon by the Contractor and facility operator, the City shall not be responsible for any delays attributable thereto, nor for the failure of delivery of such materials. On project where material storage is not permitted on site, the facility operator shall deliver the required material to the Contractor's yard and it shall be the Contractor's responsibility to transport the material to the work site when needed for installation. It shall also be the Contractor's responsibility to inspect the materials to be installed by him immediately upon delivery and advise the facility operator through its authorized representative, of all damaged materials. The Contractor at no additional expense to the City or the facility operator shall replace any material that is damaged or lost after the Contractor's inspection.

3. Method Of Measurement:

The Contractor shall be paid for each six (6) inch round box and/or nine (9) inch square box adjusted to grade regardless of adjustment height requirements.

4. Price To Cover:

The unit price bid for this item shall include all additional labor, supervision, insurance, equipment and, material (except those to be provided by the facility operator), required to adjust each box to grade as required in the contract plans and specifications. The bid price shall also include the removal of existing frames and covers from existing facilities to be salvaged and returned to the facility operator and, all material transportation from the Contractor's material storage yard to the work site. In addition the bid price shall include "chipping" around existing box using appropriate means and methods where grinding is required.



## **SECTION 6.05 - Adjust Hardware To Grade By Resetting. (Road Reconstruction.)**

### **1. Description:**

Under this item, the Contractor shall provide all labor, supervision, materials, equipment, insurance and incidentals required to adjust to the proposed grade gas street surface hardware located within the contract area boundaries shown on the plans. The gas company operating in the area, (facility operator), owns these facilities. The work shall consist of either building up or lowering or resetting the casting by removing the existing frame and cover building up or decreasing the existing installation, replacing the frame and/or cover if damaged or worn out, as determined by the Resident Engineer, with a new frame and/or cover furnished by the owner, and setting the frame and cover to new elevation. The work shall be performed in accordance with the contract plans, specifications and at the directions of the Resident Engineer.

### **2. Materials:**

The facility operator shall furnish and deliver all new hardware parts required. The Contractor shall furnish materials such as mortar, bricks and concrete in compliance with contract requirements. At locations where high-early strength concrete is required under this contract to be placed adjacent to gas facilities, then the requirement for concrete shall be high-early strength complying with the current New York State Department of Transportation, Standard Specifications for Class F concrete. Existing castings may be replaced as required and deemed necessary by the Engineer and by City rules and regulations. The Contractor shall install the new castings of various sizes furnished by the facility operator. The Contractor shall notify the facility operator of the installation schedule at least three (3) business days before materials are required on the site and, shall provide off-loading services to the facility operator. Should the facility operator fail to deliver the necessary material according to any schedule mutually agreed upon by the Contractor and facility operator, the City shall not be responsible for any delays attributable thereto, nor for the failure of delivery of such materials. Such delays shall be a matter of adjustment between the Contractor and the facility operator. On project where material storage is not permitted on site, the facility operator shall deliver the required material to the Contractor's yard and it shall be the Contractor's responsibility to transport the material to the work site when needed for installation. It shall also be the Contractor's responsibility to inspect the materials to be installed by him, immediately upon delivery and advise the facility operator through its authorized representative, of all damaged materials. 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 excavation multiplied by, the width of partially exposed pipe plus one (1) foot, multiplied by the length of facility encroachment, divided by twenty-seven (27) cubic feet per cubic yard (See "Gas Cost Sharing Work Standard Sketch No. 5").
- C. Fully Exposed Gas Facilities: (Not shown on "Gas Cost Sharing Work Standard Sketch No. 5") along and inside trench and/or crossing trench at an angle greater than forty-five (45) degrees and/or a cover depth greater than five (5) feet from the existing street surface. The volume shall be measured as the depth of trench excavation multiplied by the distance measured along the sheeting line between two (2) points of intersections of the gas facilities and the sides of trench excavation, multiplied by the width of trench excavation.
- D. For Additional Excavation And Restoration Due To So Called "Loss Trench", When The Integrity Of Pavement And Soil Above And Around Existing Live Gas Facilities Cannot Be Maintained Due To Its Lack Of Cohesiveness: Volume shall be calculated as: Depth of unsheeted trench excavation multiplied by width measured as distance of facility from closest edge of unsheeted excavation plus, width of facility proper plus, one (1) foot or a maximum width of three (3) feet multiplied by length of facility fully exposed divided by, twenty-seven (27) cubic feet per cubic yard (not shown on "Gas Cost Sharing Work Standard Sketch No. 5").
- E. For Facilities Crossing Excavation For Catch Basins, Or Chutes Installations (When NYCDEP Funded) Or Fire Hydrant Branch Connections, Or Unsheeted Water Main Trench, Or House Sewer And/Or Water Services: Volume calculated as: Depth as defined above multiplied by, the width taken as the outside diameter of pipe or the width of structure plus one (1) foot on either side (two (2) feet), multiplied by, the length of exposed facility crossing the trench, divided by twenty-seven (27) cubic feet per cubic yard (not shown on "Gas Cost Sharing Work Standard Sketch No. 5").

Overlapping volume dimensions measured as described above may occur when multiple facilities are paralleling excavations, encroaching excavations or crossing catch basins and catch basin chute installations. In such cases, all such facilities shall be counted as one limited by the extreme pipes, faces (See "Gas Cost Sharing Work Standard Sketch No. 2"). The volume shall then be calculated as described above.

7. Price To Cover:

The bid price shall also cover all additional supervision, labor, material, equipment and insurance necessary to excavate while protecting and maintaining (excluding supports for fully exposed live gas) gas facilities without disruption of service to the public and in accordance with contract specifications. The price shall also include, changes of sheeting method and excavation width configuration where necessary to accommodate gas facilities in their existing locations; difficulties during the installation of catch basins,



chute connections, hydrant branch, and house sewer and water connections under or over gas facilities; loss of productivity due to slower rate of excavation (special care) during excavation, including the use of such methods as: hand excavation around existing single and multiple facilities, extra excavation and backfilling due to lost trench because of existing and adjacent gas facilities, compaction, removal of sheeting from the facilities, extra roadway base restoration and temporary pavement, associated maintenance and protection of traffic, barricades, and traffic plates that may be required to temporarily close and/or complete the work.

## **SECTION 6.07 - Test Pits For Gas Facilities.**

### **1. Description:**

Under this section, the Contractor shall furnish all labor, materials, insurance, equipment and appliances necessary to excavate, sheet and, maintain test pits at locations approved by the Resident Engineer in consultation with the facility operator. Test pits shall be dug in order to ascertain exact locations, cover and invert elevations, clearances, alignment and operating status (live or dead) of existing gas facilities. The Contractor shall inspect jointly with the Resident Engineer and facility operator, gas facilities and other structures uncovered, take all relevant measurements and elevations as directed by the Resident Engineer. Tests to determine operating status of gas facilities shall be performed by facility operator. The pits shall be covered with steel plates during daytime nonworking hours, and uncovered, as required, until the inspection work is completed. Testing of gas facilities may require a maximum of four (4) hours. Then, the pits shall be backfilled with clean fill, and resurfaced with temporary pavement. All traffic shall be maintained and all safety measures as stipulated shall be complied with.

### **2. Methods Of Construction:**

A. Excavation: Existing pavement to be removed shall be neatly cut along lines of removal with a saw or other approved equipment which leaves a neat straight joint line along the juncture with subsequently replaced pavement. Excavation in the vicinity of utilities and other structures shall be performed using hand tools. Use of hand operated pneumatic and electric jackhammers will be permitted only for breaking pavement and removal of masonry, concrete and boulders, or as otherwise directed by the Resident Engineer. The Contractor shall properly dispose of all materials excavated from test pits away from site. Test pits shall be excavated at locations shown on the contract drawings or as directed by the Resident Engineer. Additional test pits may be required and shall be excavated where required, as ordered by the Resident Engineer. All test pits shall be excavated to a depth and size necessary to locate the existing facilities. Sheeting shall be used when depth of excavation exceeds five (5) feet. The sheeting required shall be furnished and installed in full compliance with the State of New York and Federal Safety Codes requirements and as specified in contract, whichever is more stringent. Care shall be taken that no existing gas facilities or other structures are broken or damaged. All broken or damaged facilities shall be reported immediately to facility operator who shall decide whether such facilities shall be repaired or replaced by company forces or by City contractor and in conformance with "General Provisions; Gas Cost Sharing Work Paragraph No. 9". Contractor shall excavate all material encountered, including large masses of concrete, cemented masonry and boulders, as directed by the Resident Engineer. Any type of excavation protection used, shall satisfy the following:

(a) Industrial Code Rule 753.

(b) Prevent injury to workers and the public, and avoid damage to existing water, sewer, and gas pipes or other structures, and to pavements and their foundations, through caving or sliding of the banks of the excavation.

Should it become necessary, as determined by the Resident Engineer, to enlarge any test pit in any dimension after sheeting has been placed, the Contractor shall remove portions of the sheeting, as necessary, enlarge the test pits as directed, and replace the sheeting without additional compensation for this work other than for the additional volume of material excavated.

B. Maintenance Of Test Pits: Excavated test pits shall be maintained free of debris and kept dry by the Contractor in order to permit the inspection and measurements and to determine the locations of facilities. In order to accomplish this, Contractor shall, upon completion of excavation and placement of sheeting (if depth greater than five (5) feet), furnish and install adequate steel plates and posting



over the excavated pits and shall temporarily remove all equipment debris and workers, and relocate barricades in order to open the full width of street to traffic during nonworking hours. The Contractor shall then, at no additional cost, relocate such barricades, barrels, cones and other warning devices and remove steel plates, as and when directed by the Resident Engineer to facilitate the inspection of exposed facilities. When work is being performed and the pits are not covered with steel plates, the Contractor shall provide complete and safe access to the test pits as may be required, and he shall provide construction barricades and maintain traffic at all times as shown or as directed by the Resident Engineer. Upon completion of test pit inspection by the Resident Engineer, the pit shall be backfilled by the Contractor as specified in contract, except that backfill material shall conform to contract specifications for such purpose.

- C. Pavement And Sidewalk Restoration: After backfilling is completed, the Contractor shall construct a temporary pavement consisting of a minimum of four (4) inches thick asphaltic concrete mixture in roadway areas or a two (2) inches thick asphaltic concrete mixture in sidewalk areas in order to maintain existing pedestrian and vehicular traffic. This temporary pavement shall be maintained until permanent pavement and sidewalk replacement is constructed as specified in contract.

3. Measurements:

The quantity to be measured for payment shall be the number of cubic yards of material removed from within the limits of the pit dimensions as directed by the Resident Engineer. The volume occupied by existing pipes or other structures remaining within the maximum payment lines will not be deducted from the total volume measured except, where the cross sectional area of these facilities exceeds four (4) square feet. As determined by the Resident Engineer, the quantity measured for payment may be proportionate to a fair and reasonable estimate of gas responsibility in the total volume excavated.

4. Price To Cover:

The contract price bid per cubic yard for test pits shall cover all additional costs of labor, material, insurance, equipment, appliances and incidentals required to excavate test pits, including removal and disposal of excavated materials, sheeting, steel plating, backfill, compaction and temporary pavement and sidewalk restoration all in accordance with the specifications and as 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

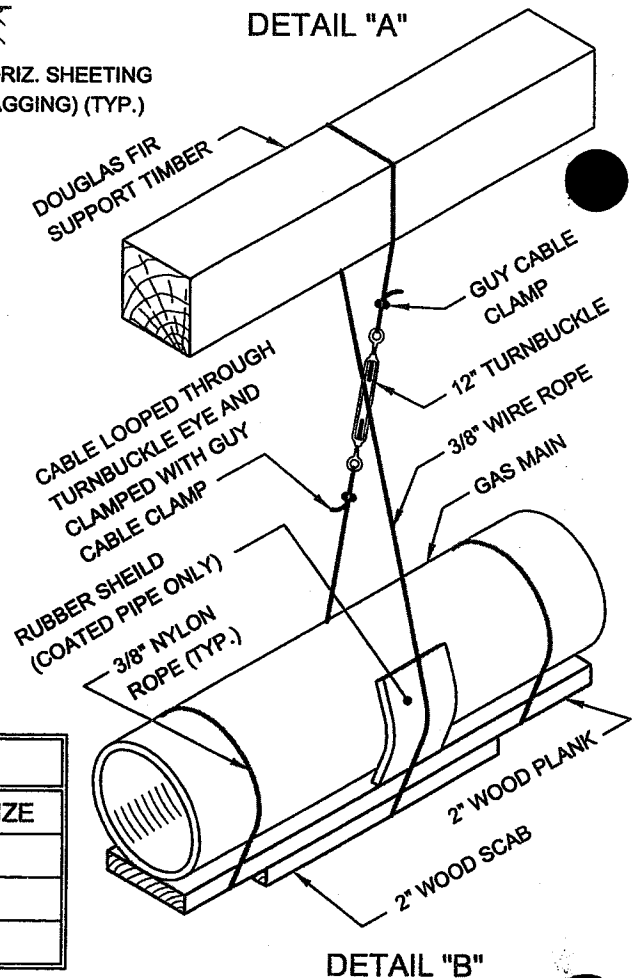
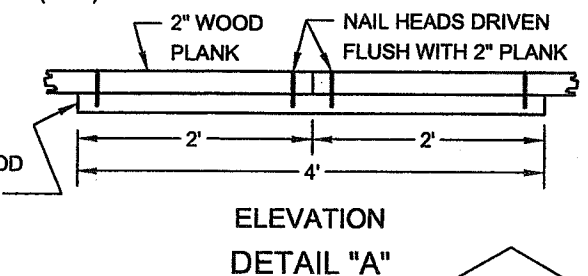
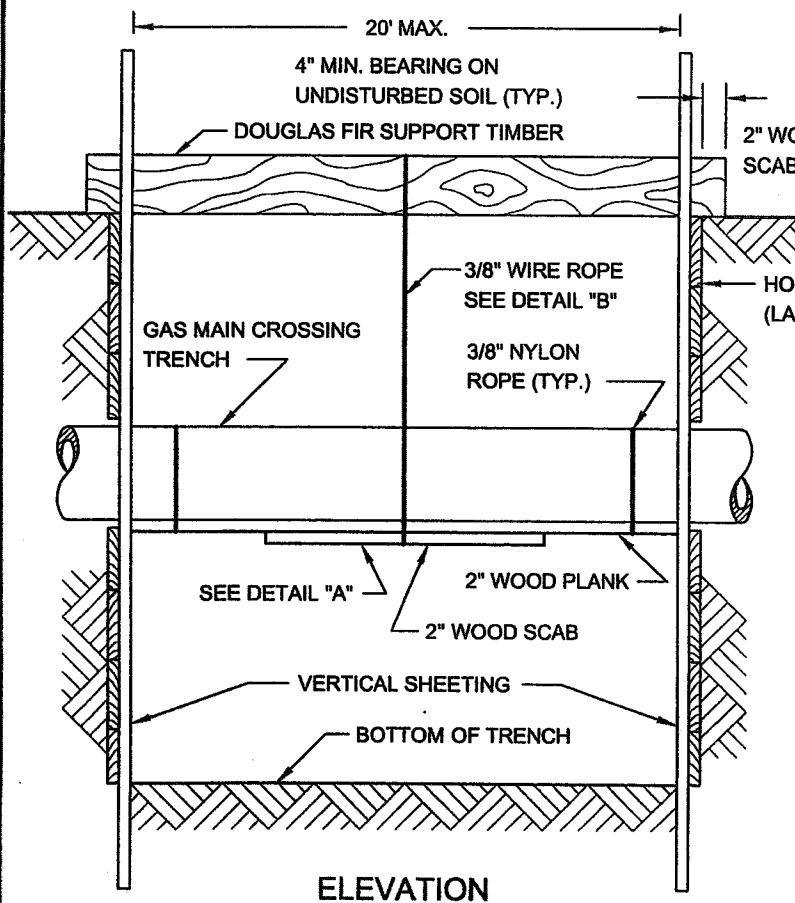
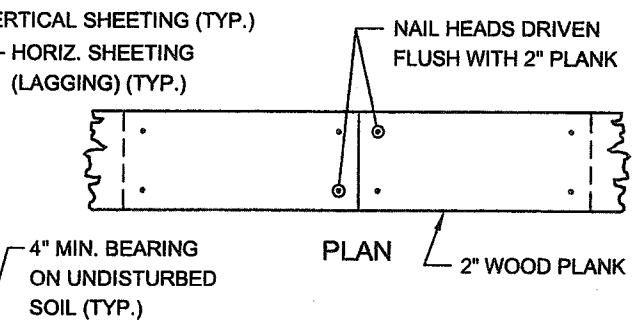
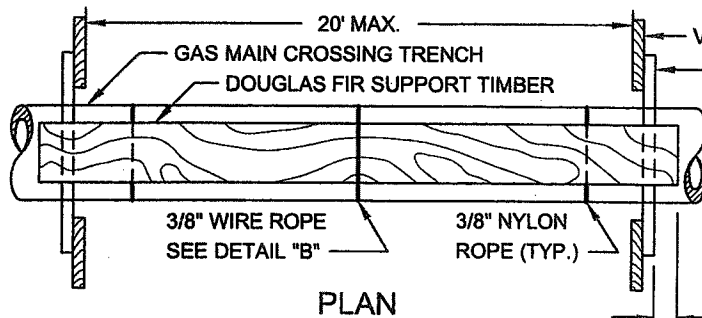
Hereinafter attached are the following Standard Sketches for Gas Cost Sharing Work:

- 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

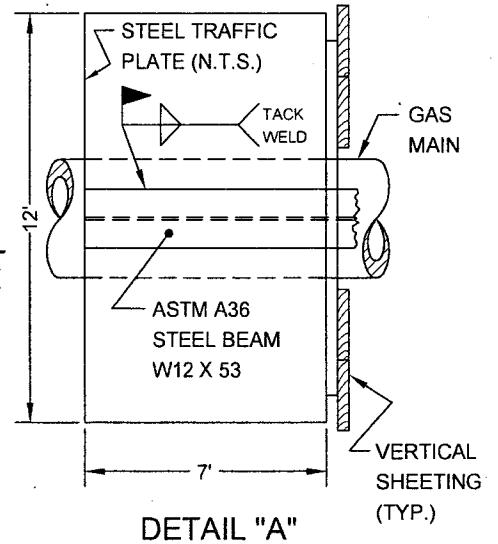
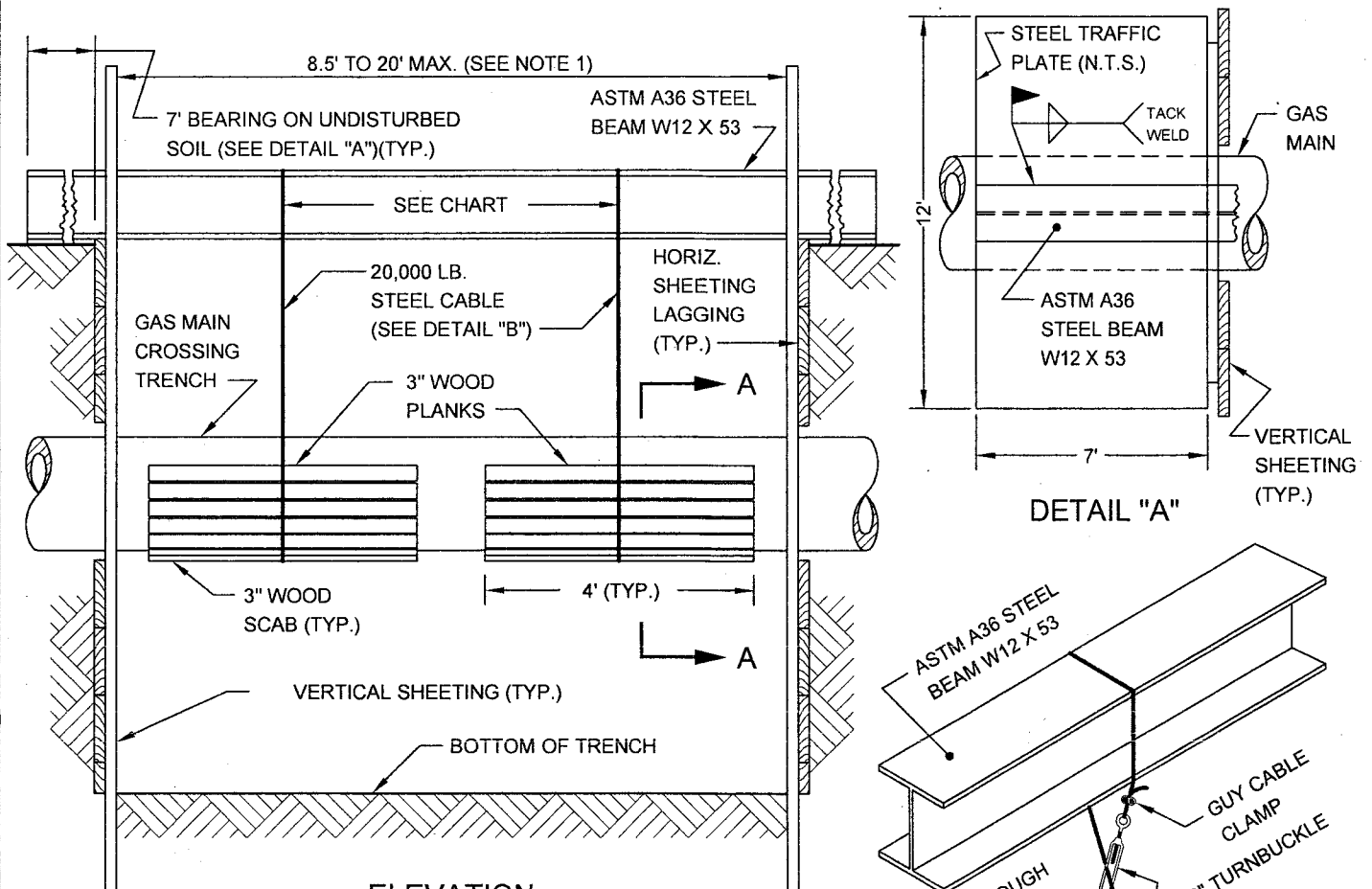


CABLE SUPPORT		TIMBER SUPPORT	
MAIN TYPE	SPACING	MAIN SIZE	TIMBER SIZE
CAST IRON	4' O.C. MAX.	UP TO 6"	6" X 6"
STEEL	10' O.C. MAX.	8" TO 10"	8" X 8"
PLASTIC	10' O.C. MAX.	12" TO 16"	10" X 10"



# 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

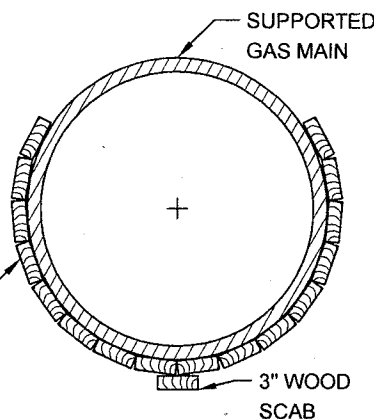


ELEVATION

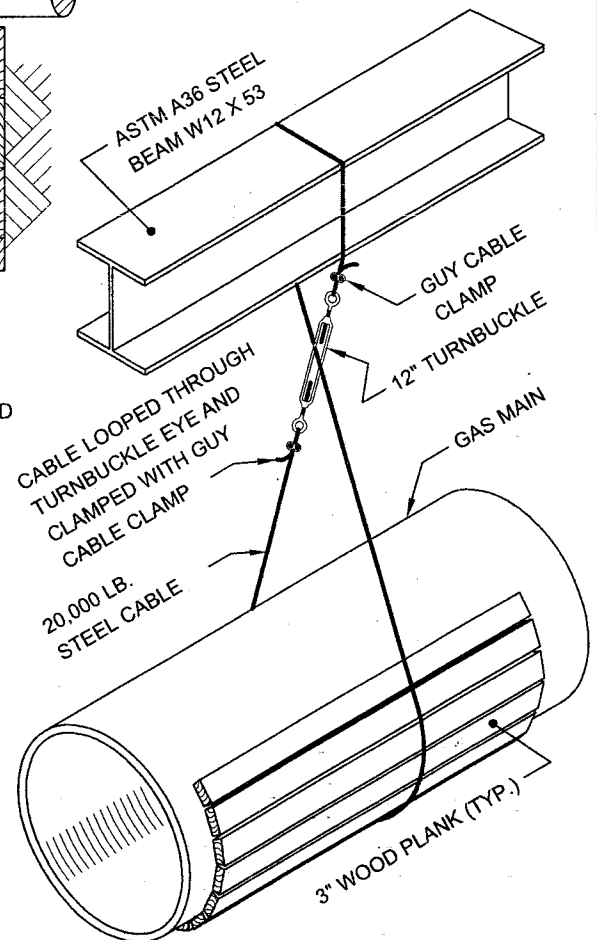
CABLE SUPPORT	
MAIN TYPE	SPACING
CAST IRON	4' O.C. MAX.
STEEL	10' O.C. MAX.

## NOTES:

- NO SUPPORT IS REQUIRED FOR GAS MAINS OVER 16" DIA. UP TO AND INCLUDING 48" DIA. CROSSING TRENCHES LESS THAN 8.5' WIDE.
- UNDERMINE A MAXIMUM OF 8.5 L.F. OF CAST IRON GAS MAIN AT A TIME.
- SET STEEL CABLE OVER 3" WOOD PROTECTIVE PLANKS AND PLACE AN ADDITIONAL 3" SCAB ON THE BOTTOM OF THE GAS MAIN.
- ADJUST STEEL CABLE UNTIL DEAD WEIGHT OF THE UNDERMINED GAS MAIN HAS BEEN TAKEN UP BY THE OVERHEAD STEEL BEAM SUPPORT.
- ALL SUPPORTS AND STEEL CABLES CAN BE REMOVED ONLY AFTER THE REQUIRED BACKFILL (AROUND AND BELOW GAS MAIN) HAS BEEN COMPACTED IN ACCORDANCE WITH NEW YORK CITY STANDARDS AND AT THE DIRECTIONS OF THE ENGINEER.



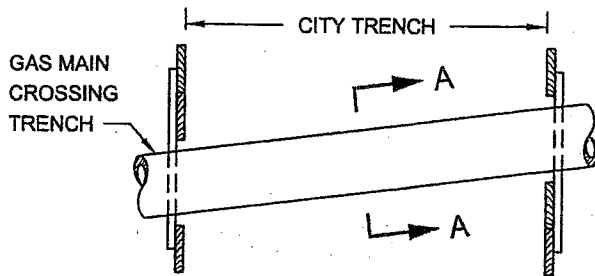
SECTION A-A



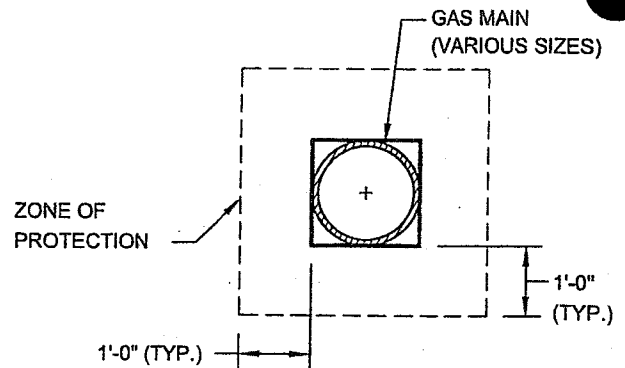
DETAIL "B"



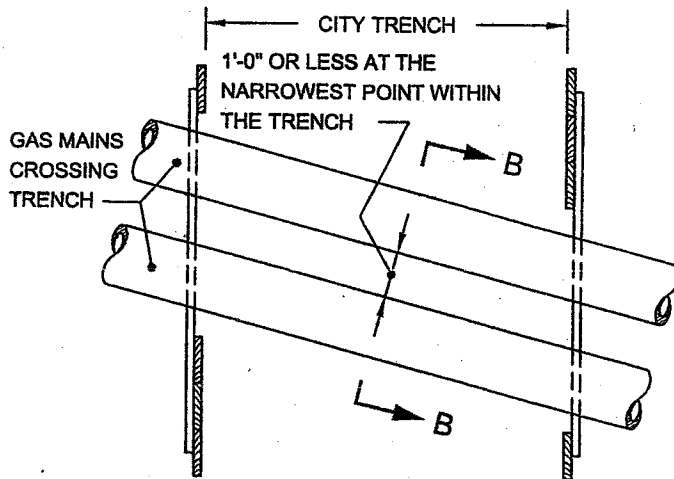
# **GAS COST SHARING WORK (SKETCH NO. 2)** **TYPICAL METHODS OF MEASUREMENT FOR GAS CROSSINGS**



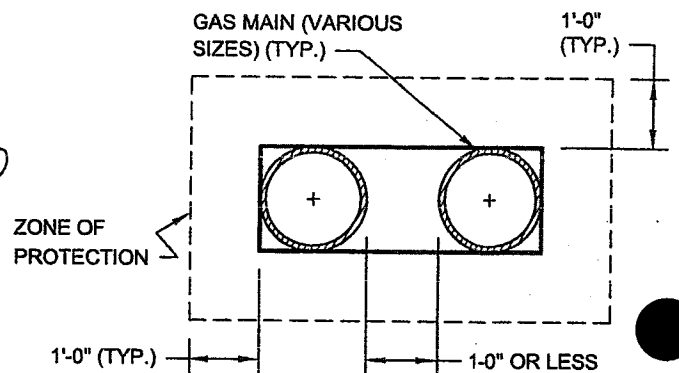
**SINGLE FACILITY CROSSING**



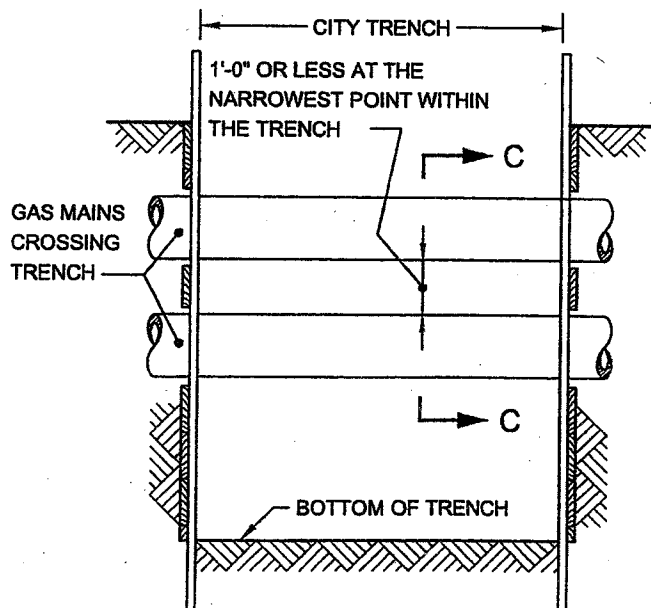
**SECTION A-A**



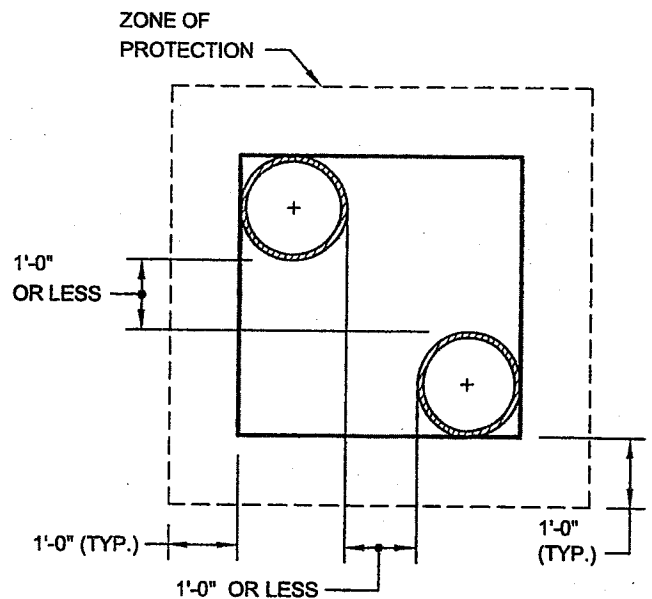
**MULTIPLE FACILITIES  
 (GAS MAINS AT SAME ELEVATION)**



**SECTION B-B**



**MULTIPLE FACILITIES  
 (ONE CROSSING AT DIFFERENT ELEVATIONS)**



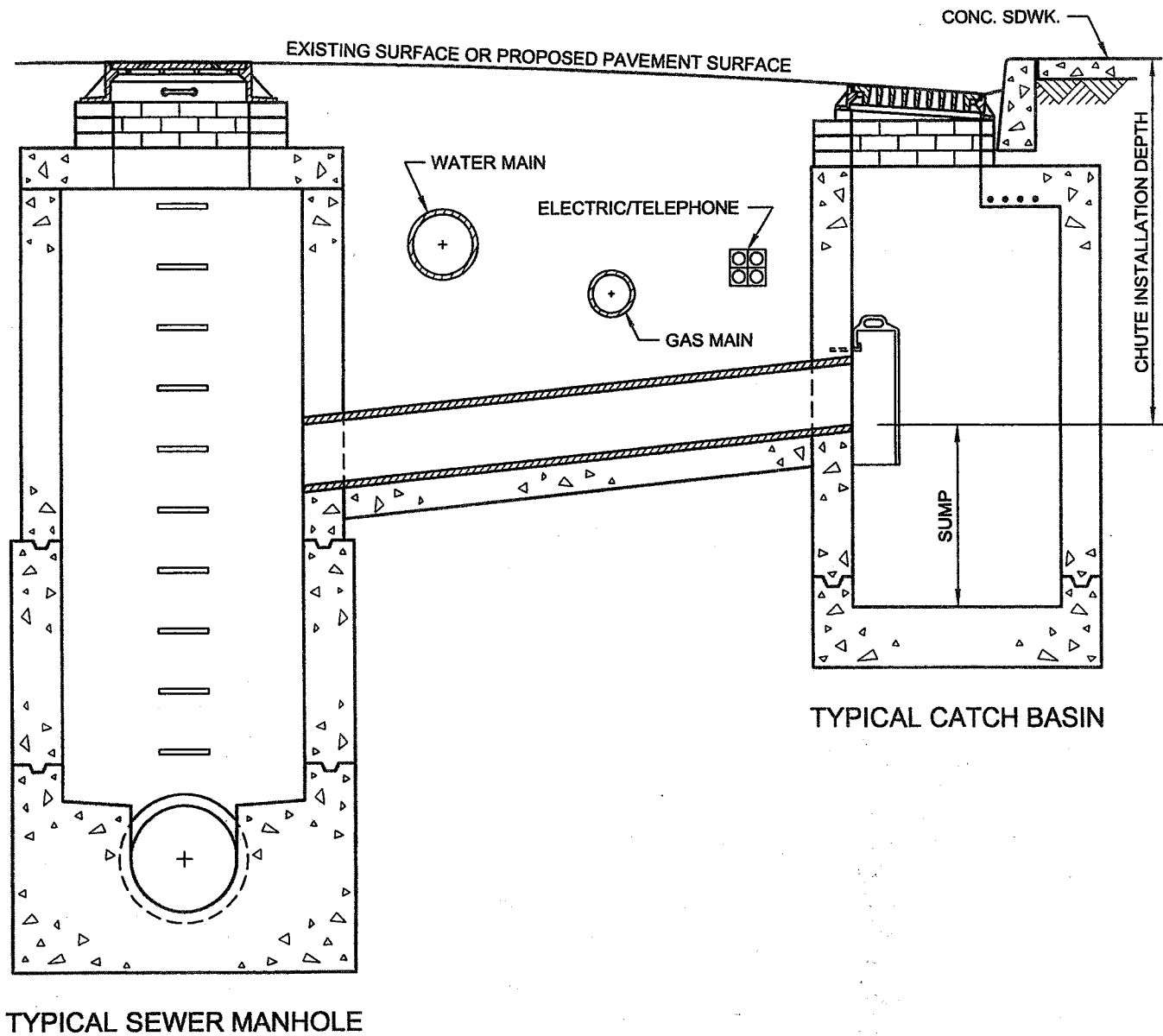
**SECTION C-C**

**NOTE:**

GAS MAINS MAY OR MAY NOT BE PARALLEL TO EACH OTHER.



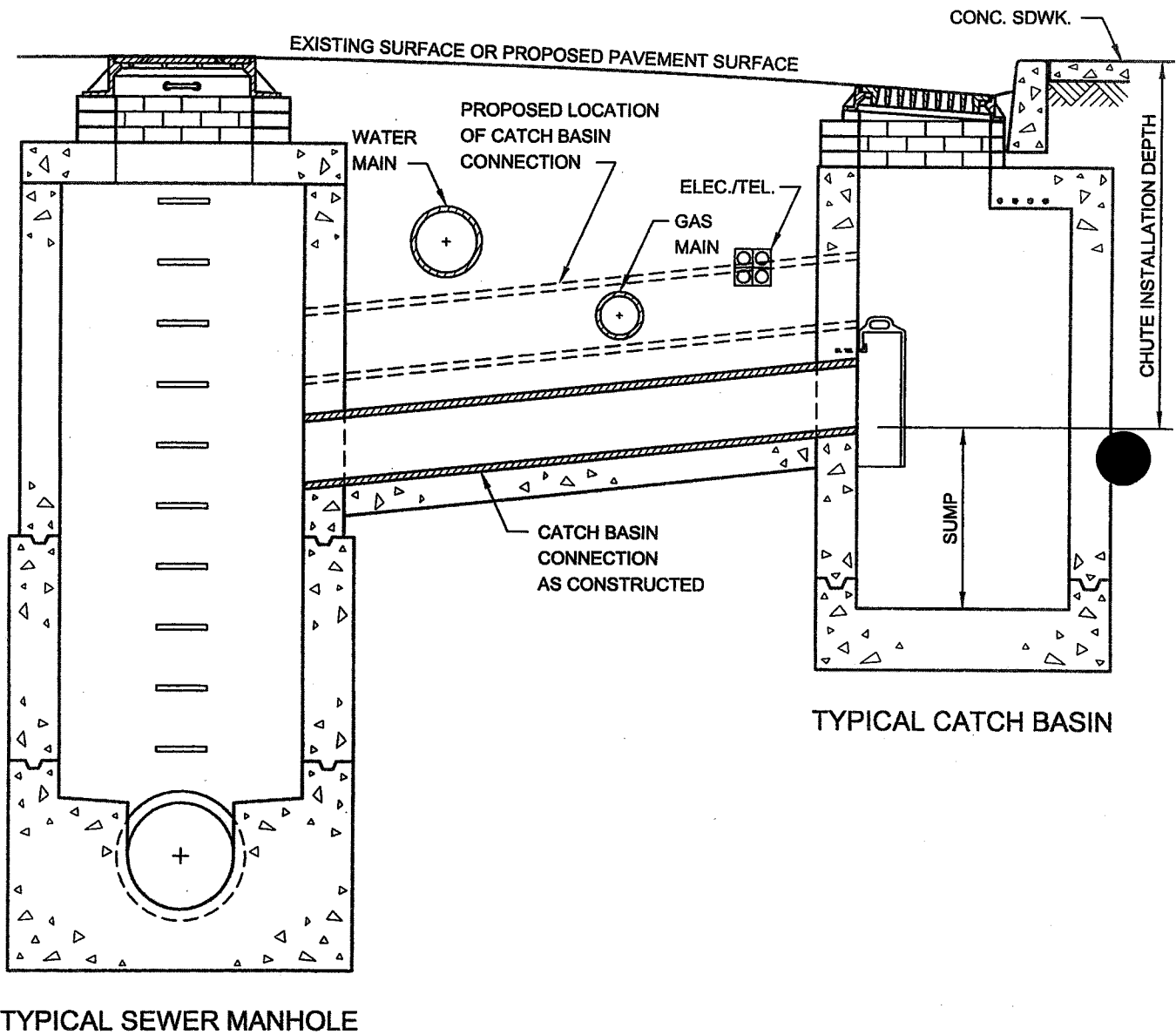
GAS COST SHARING WORK (SKETCH NO. 3)  
UTILITY CROSSINGS DURING CATCH BASIN CHUTE  
CONNECTION PIPE INSTALLATION



REVISED OCT. 2004 - J. ADRIEN  
REVISED OCT. 1998 - J. WONGW. PATALANOP, MOY



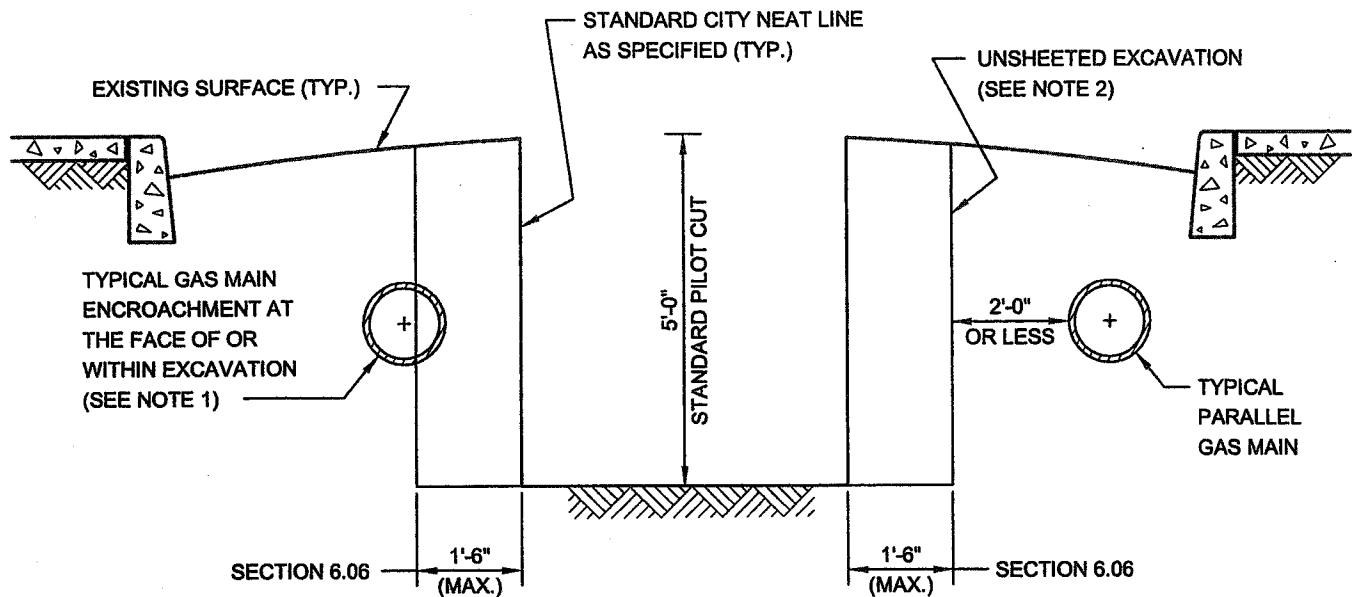
# GAS COST SHARING WORK (SKETCH NO. 4) UTILITY CROSSINGS DURING CATCH BASIN CHUTE CONNECTION PIPE INSTALLATION (EXTRA DEPTH)





# 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 6.06 FOR THE SAID WORK. IF GAS MAIN IS ABANDONED THEN SECTION 6.03 SHALL APPLY.
- (2) EIGHTEEN (18) INCHES FROM STANDARD NEAT LINE IS THE MAXIMUM ALLOWABLE WIDTH OF AREA THAT MAY BE DISTURBED OR EXCAVATED DURING INSTALLATION OF CERTAIN TYPES OF SHEETING SYSTEMS THAT MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF THE DEPARTMENT OF DESIGN AND CONSTRUCTION OF THE CITY OF NEW YORK.



**NO TEXT THIS PAGE**



**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
- NO CAPITAL WORK IS ANTICIPATED AT THIS TIME.
- 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

(NO TEXT IN THIS AREA, TURN PAGE)



**VI - LISTING OF APPROXIMATE LOCATIONS OF EP-7 BID**  
**ITEMS QUANTITIES**

(NO TEXT IN THIS AREA, TURN PAGE)



**SCOPE OF WORK  
SUPPORT AND PROTECTION  
FOR CONTRACT NUMBER BEDA-001**

The City of New York Department of Design and Construction is planning to install sewers and/or water mains and all appurtenances in various locations in The City of New York along with all work incidental thereto.

**6.01.1 - Support & Protect Gas Main Crossing Sewer Up To 24" In Diameter (Ea.)**

10 in Various Locations As Required

**6.01.2 - Support & Protect Gas Main Crossing Sewer 30" In Diameter (Ea.)**

2 in Various Locations As Required

**6.01.3 - Support & Protect Gas Main Crossing Sewer 36" Thru 42" In Diameter (Ea.)**

2 in Various Locations As Required

**6.01.4 - Support & Protect Gas Main Crossing Sewer 48" Thru 54" In Diameter (Ea.)**

2 in Various Locations As Required

**6.01.8 - Support & Protect Gas Services Crossing Trenches And/Or Excavations (Ea.)**

100 in Various Locations As Required.

**6.01.9 - Support & Protect Gas Main Crossing Water Main Up To 20" In Diameter (Ea.)**

50 in Various Locations As Required

**6.02 - Extra Excavation For The Installation Of Catch Basin Sewer Drain Pipes With Gas Interferences (Ea.)**

10 in Various Locations As Required

**6.03 - Removal Of Abandoned Gas Facilities. All Sizes (L.F.)**

4000 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.)**

100 in Various Locations As Required



**SCOPE OF WORK  
SUPPORT AND PROTECTION  
FOR CONTRACT NUMBER BEDA-001**

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.

**6.04 - Adjust Hardware To Grade Using Spacer Rings / Adaptor (Street Repaving) (Ea.)**

150 in Various Locations As Required

**6.05 - Adjust Hardware To Grade By Resetting (Road Reconstruction) (Ea.)**

150 in Various Locations As Required

**6.06 - Special Care Excavation & Backfilling (C.Y.)**

2000 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.)**

100 CY In Various Locations As Required.

**6.07 - Test Pits For Gas Facilities (C.Y.)**

100 in Various Locations As Required.

**6.09 - Trench Excavation & Backfill For New Gas Mains & Services. Gas Installed By Others (C.Y.)**

500 CY In Various Locations As Required.



**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).



#### **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 defined above multiplied by, the width taken as the outside diameter of pipe or the width of structure plus one (1) foot on either side (two (2) feet), multiplied by, the length of exposed facility crossing the trench, divided by twenty-seven (27) cubic feet per cubic yard (not shown on "Gas Cost Sharing Work Standard Sketch No. 5").

**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.



**SECTION 6.09 - Trench Excavation and Backfill for New Gas Mains and Services  
(To be performed by City Contractor)(For National Grid Work Only)**

**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

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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 as encountered based on existing field conditions.



#### 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 thirty-eight (38) pages.

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ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: BEDA001

ACCELERATED DISTRIBUTION WATER MAIN AND SEWER REHABILITATION

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

ADDENDUM NO.4

DATED: February 9, 2015

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS

1. The Contractor shall be responsible for compliance with all the provisions of the following Articles, Appendixes, Specifications, Sketches, and Scope of Work which are hereby made a part of the original contract documents:
  - A. The "JOINT BID WITH PRIVATE UTILITY COMPANIES SPECIAL PROVISIONS" (Page A4-4 in this Addendum); and the following specialty work items (contained on Pages A4-5 through A4-67):
    - JB 350A - Accommodation of Overhead House Service Crossing Water Main Trench
    - JB 350D - Hydrant Installation /removal under Overhead Mainline cable
    - JB 350H - Water Main Installation Parallel to Overhead Mainline cable
    - JB 350M - Accommodation of Overhead utility Facilities Cables Crossing Water Main Trench
    - JB 351 - Utility Pole Support
    - JB 352 - Special Care Operations For tree Removal
    - JB 353 - Special Care Operations For tree Pruning
    - JB 360 - Accommodation of Overhead utility Facilities, Poles And Appurtenances
    - JB 402T.V1A - Existing Vacant Concrete Encased Conduit Placed in Final Position with Concrete Encasement
    - JB 402T.V2A - Existing Vacant Non-Concrete Encased Conduit Placed in Final Position with Concrete Encasement
    - JB 803 - Line Cut by Pneumatic Tools in Lieu of Saw Cut Associated with Roadway Operations
    - JB 850 - Installation of Rubber Sheets for Utility Facilities
  - B. The Private Utilities reference document called "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN", dated August 1, 2005, and which 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;

C. Private Utilities Scope of Work and Sketches (Pages A4-68 through A4-98 in this Addendum); and,

D. General Notes and Conditions (Pages A4-99 through A4-105)

2. Refer to the Private Utility reference document called "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN" and the specialty work items contained in this Addendum No. 4;

Note: All Maintenance and Protection of Traffic (MPT) requirements referred to in the various Private Utility documents as mentioned above shall be funded solely with the applicable MPT unit price bid items. All references made regarding the Maintenance and Protection of Traffic contained in the "Price to Cover" sections of the various Private Utility specifications are deemed to be deleted and the sentence shall be added: "All Maintenance and Protection of Traffic (MPT) requirements shall be furnished and paid for utilizing the applicable MPT unit price bid items only."

3. Refer to the Private Utility reference document called "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN", Specification for JB 450, pages 56, 57, and 58;

Note: Items under JB 450 are task driven operation items and are not based on crew size. These items are divided into three unique types, each of which provides a description of applicability and typical use. The "Method of Measurement", on page 57, states that "The actual crew performing the operation will not be considered by the facility operator, in consultation with the Resident Engineer, when determining the applicable Unit Item Type, which shall be only as per the task performed."

4. Refer to the Private Utility reference document called "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN", Specification for JB 225, page 10, Article A. Description;

Delete the last four lines of text in their entirety, beginning with the words: "accordance with Specification under Addendum #1, . . .";

Substitute the following revised text: "accordance with Specification Section 7.18 - Controlled Low Strength Material (CLSM), in the Standard Highway Specification. All backfill within the maximum excavation limits shown in Sketch No. JB 225 shall be of controlled low strength material (CLSM) in compliance with requirements of Section 7.18, and its cost shall be deemed included in this item."

5. Refer to the Private Utility reference document called "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN", Specification for JB 225, page 10, Article B. Materials;

Delete the first sentence in its entirety, beginning with the words: "Furnish Controlled Low Strength Material fill or backfill . . .";

Substitute the following revised sentence: "Furnish Controlled Low Strength Material fill or backfill as required and specified in



Section 7.18 - Controlled Low Strength Material (CLSM), of the Standard Highway Specification."

6. Refer to the Private Utility reference document called "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN", Specification for JB 226, page 12, Article A. Description;

Delete the last five lines of text in their entirety, beginning with the words: "accordance with Specification under Addendum #1, . . .";

Substitute the following revised text: "accordance with Specification Section 7.18 - Controlled Low Strength Material (CLSM), in the Standard Highway Specification. All backfill within the maximum excavation limits shown in Sketch No. JB 225 shall be of controlled low strength material (CLSM) backfill in compliance with Section 7.18 in the Standard Highway Specifications, and its cost shall be deemed included in this item."

7. Refer to the Private Utility reference document called "JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN", Specification for JB 226, page 12, Article B. Materials;

Delete the first sentence in its entirety, beginning with the words: "Furnish controlled low strength material fill or backfill . . .";

Substitute the following revised sentence: "Furnish controlled low strength material fill or backfill as required and specified in Section 7.18 - Controlled Low Strength Material (CLSM), of the Standard Highway Specification."

8. In addition, the Contractor shall be required to adhere to the following guidelines for Con Edison specialty work to ensure that Con Edison's pre-qualifications and approval are satisfied:

A. The Contractor may perform Con Edison gas and/or steam specialty work at their option, if they are Con Edison pre-qualified. If the Contractor elects not to perform the specialty work or if the Contractor is not Con Edison gas and/or steam qualified, then the Contractor shall sub-contract the specialty work to Con Edison pre-qualified gas and steam contractors on page A4-67.

B. Contractors that would like to become Con Edison gas qualified should contact George Bove, of Con Edison's Learning Center at 718-425-6016 for additional information.

C. Contractors that would like to become Con Edison steam qualified should contact Ed Eng, of Con Edison's Steam Operations Department at 212-894-9527 for additional information.



**JOINT BID WITH PRIVATE UTILITY COMPANIES SPECIAL PROVISIONS**

The following shall become a part of and apply to the Contract:

The Work to be performed under Project ID: **BEDA001** is governed by the provisions of Chapter 322 of the Laws of 2014 (the "Joint Bidding Act of 2014") which provides for the joint bidding of public improvement work and private utility interference work, as defined by the **Joint Bidding Act of 2014**. The City has combined its public improvement work items and the private utility interference work items into one joint bid package. The Contract will be awarded by the City to the lowest responsive and responsible bidder for all of such items in accordance with the Procurement Policy Board Rules and applicable City and State laws.

[NO FURTHER TEXT HERE.]



## **JB 350A – ACCOMMODATION OF OVERHEAD HOUSE SERVICE CROSSING WATER MAIN TRENCH**

### **A. Description**

The Contractor shall provide all incremental supervision, labor, materials, tools, equipment and incidentals required to perform its work of water main installation while crossing overhead utility cables, equipment on the poles and related overhead appurtenances. These utilities are subsequently referred to in this specification as "overhead facilities".

### **B. Materials – N/A**

### **C. Method of Construction**

The Contractor shall employ a method of operation, including the use of appropriate mechanized equipment and tools that will enable him to maintain adequate clearances from overhead facilities during all phases of construction. The Contractor is responsible for performing the work in accordance with all applicable Federal, New York State and Local regulations. The Contractor shall be solely responsible for damages to any overhead lines and appurtenances due to failure to comply with applicable rules, procedures, and practices.

### **D. Method of Measurement**

The quantity to be measured for payment shall be each (EA) overhead house service crossing encountered during the installation of one watermain of any size. Any and all contractor operations associated with the complete installation of one watermain including but not limited to sawcutting, trench excavation, sheeting, pipe installation, temporary backfilling and final restoration shall be considered as one utility crossing. Multiple overhead facilities within a 4' radius of each other or with in 4' of the vertical extension measured perpendicular at the center line of the City facility crossing being installed and/or overhead facilities terminating at the same building shall be considered as one utility crossing. One crossing will be paid per utility company present on the aerial line crossing the watermain trench. Crossings are broken down as follows:

JB 350A-C – Cablevision Overhead House Service crossing Watermain

JB 350A-TWC – Time Warner Overhead House Service crossing Watermain

JB 350A-T – ECS/Verizon Overhead House Service crossing Watermain



**E. Price to Cover**

The price shall cover the cost of all incremental supervision, labor, materials, tools, equipment and incidentals required to perform the work in the presence of overhead utilities and to maintain adequate clearance from the overhead facilities during all phases of construction. The price includes, but is not limited, to modification of any methods of operation, use of appropriate equipment, maintenance of traffic, extended performance, loss of productivity, protective measures, delays, change in sequencing and scheduling and any other costs that may be incurred by the Contractor.

**F. Reference Drawings**

**N/A**



**JB 350D – HYDRANT INSTALLATION/REMOVAL UNDER OVERHEAD MAINLINE CABLE**

**A. Description**

The Contractor shall provide all incremental supervision, labor, materials, tools, equipment and incidentals required to perform its work installing, removing or removal and installation of a fire hydrant directly under overhead utility cables, equipment on the poles and related overhead appurtenances. These utilities are subsequently referred to in this specification as "overhead facilities".

**B. Materials – N/A**

**C. Method of Construction**

The Contractor shall employ a method of operation, including the use of appropriate mechanized equipment and tools that will enable him to maintain adequate clearances from overhead facilities during all phases of construction. The Contractor is responsible for performing the work in accordance with all applicable Federal, New York State and Local regulations. The Contractor shall be solely responsible for damages to any overhead lines and appurtenances due to failure to comply with applicable rules, procedures, and practices.

**D. Method of Measurement**

The quantity to be measured for payment shall be each (EA) fire hydrant installed or removed underneath overhead mainline cables. All house service connections are included in this item and no separate payments shall be made. Any and all contractor operations associated with the complete installation or removal of the hydrant including but not limited to excavation, sheeting, temporary backfill and final restoration shall be considered one unit/. In addition in such case where a hydrant is being removed and replaced within 15' of the original location, this shall count as one (1) unit.

Item is to be broken down as follows:

JB 350D-C – Hydrant Installation/Removal Under Cablevision Overhead Mainline Cable

JB 350D-TWC – Hydrant Installation/Removal Under Time Warner Overhead Mainline Cable

JB 350D-T – Hydrant Installation/Removal Under ECS/Verizon Overhead Mainline Cables

**E. Price to Cover**



The price shall cover the cost of all incremental supervision, labor, materials, tools, equipment and incidentals required to perform the work in the presence of overhead utilities and to maintain adequate clearance from the overhead facilities during all phases of construction. The price includes, but is not limited, to modification of any methods of operation, use of appropriate equipment, loss of productivity, protective measures, delays, change in sequencing and scheduling and any other costs that may be incurred by the Contractor. This item does not include shared costs items which are paid for separately.

**F. Reference Drawings**

**N/A**



## **JB 350H – WATER MAIN INSTALLATION PARALLEL TO OVERHEAD MAINLINE CABLE**

### **A. Description**

The Contractor shall provide all incremental supervision, labor, materials, tools, equipment and incidentals required to perform its work of water main installation while closely paralleling overhead utility cables, equipment on the poles and related overhead appurtenances. These utilities are subsequently referred to in this specification as "overhead facilities".

### **B. Materials – N/A**

### **C. Method of Construction**

The Contractor shall employ a method of operation, including the use of appropriate mechanized equipment and tools that will enable him to maintain adequate clearances from overhead facilities during all phases of construction. The Contractor is responsible for performing the work in accordance with all applicable Federal, New York State and Local regulations. The Contractor shall be solely responsible for damages to any overhead lines and appurtenances due to failure to comply with applicable rules, procedures, and practices.

### **D. Method of Measurement**

The quantity to be measured for payment shall be per linear foot (LF) of water main installed at a horizontal distance of 4' or less from face of curb closest to the aerial facilities, as measured between the centerline of the water main to the face of the curb. Any and all contractor operations associated with the complete installation of one water main including but not limited to sawcutting, trench excavation, sheeting, pipe installation, backfilling, temporary and final restoration is included in this item. Each utility paralleling cable will be paid for separately.

Item is to be broken down as follows:

JB 350H-C – Water main Installation Parallel (within 4') to Cablevision Overhead Mainline Cables

JB 350H-TWC – Water main Installation Parallel (within 4') to Time Warner Overhead Mainline Cable

JB 350H-T – Water main Installation Parallel (within 4') to ECS/Verizon Overhead Mainline Cables



**E. Price to Cover**

The price shall cover the cost of all incremental supervision, labor, materials, tools, equipment and incidentals required to perform the work in the presence of overhead utilities and to maintain adequate clearance from the overhead facilities during all phases of construction. The price includes, but is not limited, to modification of any methods of operation, use of appropriate equipment, loss of productivity, protective measures, delays, change in sequencing and scheduling and any other costs that may be incurred by the Contractor. This item does not include shared costs items which are paid for separately.

**F. Reference Drawings**

**N/A**



## **JB 350M – ACCOMMODATION OF OVERHEAD MAINLINE UTILITY FACILITIES CROSSING WATER MAIN TRENCH**

### **A. Description**

The Contractor shall provide all incremental supervision, labor, materials, tools, equipment and incidentals required to perform its work of water main installation while crossing overhead utility Mainline cables, equipment on the poles and related overhead appurtenances. These utilities are subsequently referred to in this specification as "overhead facilities".

### **B. Materials – N/A**

### **C. Method of Construction**

The Contractor shall employ a method of operation, including the use of appropriate mechanized equipment and tools that will enable him to maintain adequate clearances from overhead facilities during all phases of construction. The Contractor is responsible for performing the work in accordance with all applicable Federal, New York State and Local regulations. The Contractor shall be solely responsible for damages to any overhead lines and appurtenances due to failure to comply with applicable rules, procedures, and practices.

### **D. Method of Measurement**

The quantity to be measured for payment shall be each (EA) overhead mainline crossing encountered during the installation of one watermain of any size. Any and all contractor operations associated with the complete installation of one watermain including but not limited to sawcutting, trench excavation, sheeting, pipe installation, temporary backfilling and final restoration shall be considered as one utility crossing. Multiple overhead facilities within a 4' radius of each other or with in 4' of the vertical extension measured perpendicular at the center line of the City facility crossing being installed and/or overhead facilities terminating at the same building shall be considered as one utility crossing. One crossing will be paid per utility company present on the aerial line crossing the watermain trench. Crossings are broken down as follows:

JB 350M-T – ECS/Verizon Overhead Mainline crossing Watermain

JB 350M-C – Cablevision Overhead Mainline Cable crossing Watermain

JB 350M-TWC – Time Warner Overhead Mainline crossing Watermain

### **E. Price to Cover**

The price shall cover the cost of all incremental supervision, labor, materials, tools, equipment and incidentals required to perform the work in the presence of overhead utilities and to maintain adequate clearance from the overhead facilities during all phases of construction. The



price includes, but is not limited, to modification of any methods of operation, use of appropriate equipment, maintenance of traffic, extended performance, loss of productivity, protective measures, delays, change in sequencing and scheduling and any other costs that may be incurred by the Contractor.

**F. Reference Drawings**

**N/A**



## **JB 351 - UTILITY POLE SUPPORTS**

### **A. Description**

This section describes the temporary supports for utility poles at locations directed by the facility operator(s), in order to maintain such poles in their existing upright position without disturbing attached wires and equipment. The Contractor shall provide all labor, material, equipment, insurance, and incidentals required to construct, install and maintain an effective support system that will meet the stated objective.

### **B. Materials**

All materials required to construct and maintain an effective support system shall be supplied by the Contractor and approved by the facility operator.

### **C. Method of Construction**

Where directed by the utility representative, the Contractor shall furnish, install and remove utility pole supports and maintain utility poles as shown on sketch JB 351. Alternate methods proposed by the Contractor will be permitted if approved by the facility operator.

### **D. Method of Measurement**

The quantity of utility pole supports to be measured for payment shall be the number of utility poles supported. The Contractor will be paid only once for each utility pole supported and maintained no matter how many different construction operations have an impact on the pole.

### **E. Price to Cover**

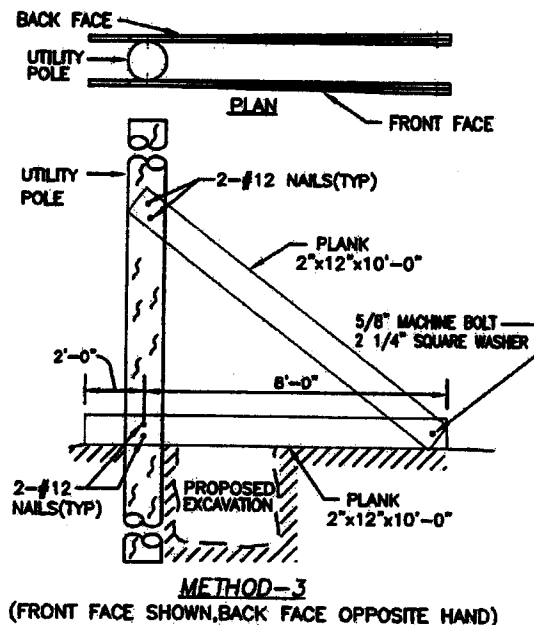
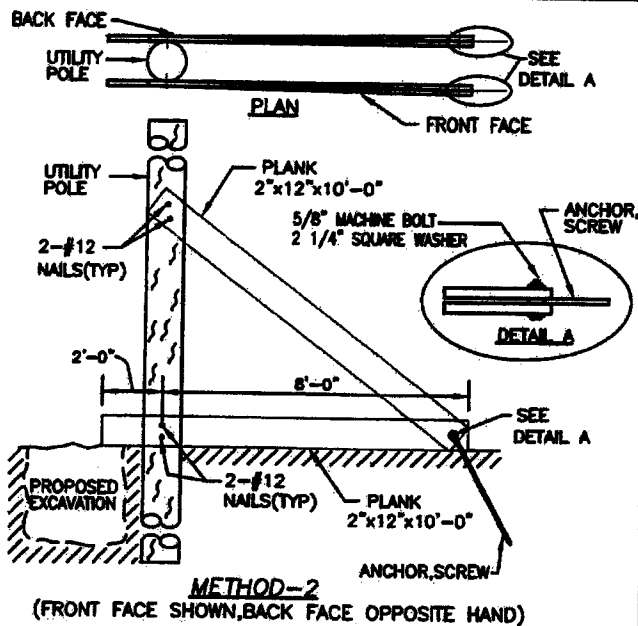
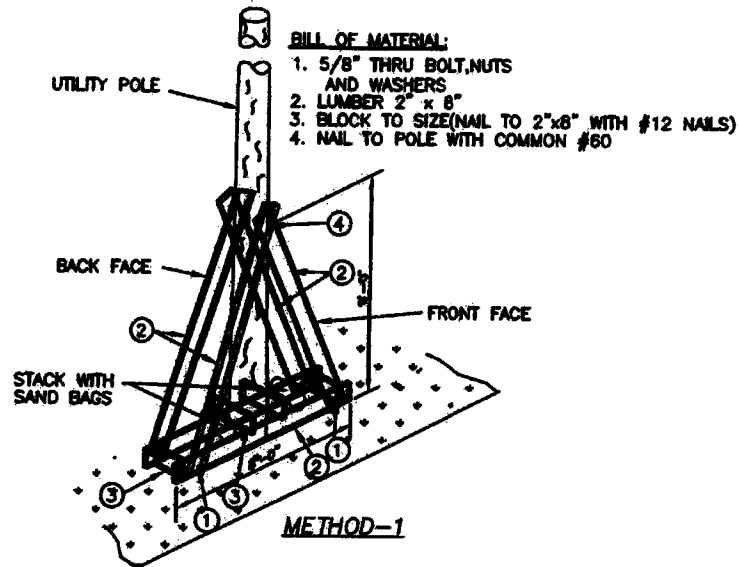
The price shall cover the cost of all labor, material, equipment, insurance, and incidentals necessary to furnish, install, maintain and remove utility pole supports to completely support, maintain, protect, and accommodate the integrity of utility poles without disruption of service to customers. The price bid shall also include all additional impact cost associated with working around utility pole supports, poles and appurtenances.

Separate payment will be made for the protection of overhead facilities under the Item JB 360.

### **F. References**

1. Sketch JB 351
2. JB 360



METHODS OF SHORING UTILITY POLESNOTES:

1. THESE METHODS OF SHORING ARE GENERAL GUIDES. FIELD CONDITIONS WILL DICTATE WHICH METHOD WILL BE USED. VARIATIONS OF THESE METHODS WHICH ACCOMPLISH THE SAME PURPOSE MAY ALSO BE UTILIZED WHEN APPROVED BY OVERHEAD CONSTRUCTION DEPARTMENT.
2. ANY INFORMATION NOT SHOWN WILL BE DETERMINED IN THE FIELD TO SUIT THE FIELD CONDITIONS WHEN APPROVED BY THE OVERHEAD CONSTRUCTION DEPARTMENT.

JB SKETCH	
METHODS OF SHORING UTILITY POLES	
JB 351	



## **JB 352 - SPECIAL CARE OPERATIONS FOR TREE REMOVAL**

### **A. Description**

Under this section, the Contractor shall be required to modify work methods of tree removal in order to maintain, protect and accommodate the integrity of overhead utility lines where existing, as directed by the utility operator.

### **B. Materials – N/A**

### **C. Method of Operation**

The Contractor shall exercise extreme caution when removing trees where their sway during removal might cause damage to overhead electric and telephone utility lines, as determined by the utility operator. Exercising extreme caution shall mean the careful clearing of branches over, under and around overhead electric utility lines prior to removal of trees and the topping of trees as may be necessary to avoid damage to utility lines.

All equipment, methods, and maintenance and protection provisions shall require full authorization by the utility operator. The Contractor is warned that overhead utility lines are electrified and require equipment used in their vicinity to be isolated from the ground.

### **D. Method of Measurement**

The quantity of "Special Care Operations for Tree Removal" to be measured for payment shall be the number of trees actually removed during the Contract in accordance with these specifications.

### **E. Price to Cover**

The prices for "Special Care Operations for Tree Removal Work" shall be a unit price for all tree size groups, equal to the incremental cost difference of all labor, materials, equipment, insurance, and incidentals required to maintaining, protecting, and accommodating the integrity of existing overhead utilities during the performance of tree removal operations (under Contract Item 4.16AA, 4.16AB, 4.16 AC, 4.16 AD, 4.16 ADE or 4.16 AE) where the felling of said tree may cause damage to existing overhead utility lines as determined by the utility operator(s); all in accordance with the plans, the specifications and the directions of the utility operator(s).

Payment for all work specified herein shall be made separately by each utility that is affected by the tree removal and shall be on a one-time basis only.

### **F. References - N/A**



## **JB 353 - SPECIAL CARE OPERATIONS FOR TREE PRUNING**

### **A. Description**

Under this Section, the Contractor shall be required to modify work methods of tree pruning in order to maintain, protect and accommodate the integrity of overhead electric utility lines where existing, as directed by the utility operator.

### **B. Materials – N/A**

### **C. Method of Operation**

The Contractor shall exercise extreme caution when pruning trees where the sway of branches during pruning might cause damage to overhead electric and telephone utility lines, as determined by the utility operator. Exercising extreme caution shall mean the careful pruning of branches over, under and around overhead electric and telephone utility lines so as not to cause damage to existing utility lines.

All equipment, methods, and maintenance and protection provisions shall require full authorization by the utility operator. The Contractor is warned that overhead utility lines are electrified and require equipment used in their vicinity to be isolated from the ground.

### **D. Method of Measurement**

The quantity of "Special Care Operations for Tree Pruning" to be measured for payment shall be the number of trees actually pruned during the Contract in accordance with these specifications.

### **E. Price to Cover**

The contract prices bid for "Special Care Operations for Tree Pruning" shall be a unit price for all tree size groups, equal to the incremental cost difference of all labor, materials, equipment, and incidentals required to maintaining, protecting, and accommodating the integrity of existing overhead utilities during the performance of tree pruning operations (under Contract Item 8.81) where the pruning of said trees may cause damage to existing overhead utility lines as determined by the utility operator; all in accordance with the plans, the specifications and the directions of the facility operator.

Payment for all work specified herein shall be made separately by each utility that is affected by the tree pruning and shall be on a one-time basis only.

### **F. References – N/A**



**JB 360 – ACCOMODATION OF OVERHEAD UTILITY FACILITIES, POLES AND APPURTANCES****A. Description**

The Contractor shall provide all supervision, labor, materials, tools, equipment and incidentals required to perform its work in the presence of overhead utilities, including but not limited to, electric facilities (e.g. primary, aerial, secondary and service conductors), telephone facilities, cable television facilities, fiber optic communications facilities, utility poles and equipment on the poles and related appurtenances. These utilities are subsequently referred to in this specification as "overhead facilities". Tree pruning and removal work under JB 352 and JB 353 as well as utility pole supports under JB 351 are not included in this specification.

**B. Materials – N/A****C. Method of Construction**

The Contractor shall employ a method of operation, including the use of appropriate mechanized equipment and tools that will enable him to maintain adequate clearances from energized overhead facilities during all phases of construction as described in Con Edison specification EO-4647-C. If adequate clearance cannot be maintained, the Contractor shall consult with the facility operator(s) to obtain revised clearances. The Contractor is responsible for performing the work in accordance with all applicable Federal, New York State and Local regulations. The Contractor shall be solely responsible for damages to any overhead lines and appurtenances due to failure to comply with applicable rules, procedures, and practices.

**D. Method of Measurement****Installation Crossing Overhead Facilities**

The quantity to be measured for payment shall be each (EA) overhead crossing within the clearances established in EO-4647-C, encountered during the installation of one City facility. Any and all contractor operations associated with the complete installation of one City facility including final restoration shall be considered as one utility crossing. Multiple stacked overhead facilities in the same vertical space shall be considered as one utility crossing.

**Installation Paralleling Overhead Facilities**

The quantity to be measured for payment shall be each (EA) parallel span between two poles within the project limits and within the clearances established in EO-4647-C, encountered during the installation of one City facility. Any and all contractor operations associated with the complete installation of one City facility including final restoration shall be considered as one utility crossing. All overhead facilities within a span between two poles shall be considered as one utility crossing.



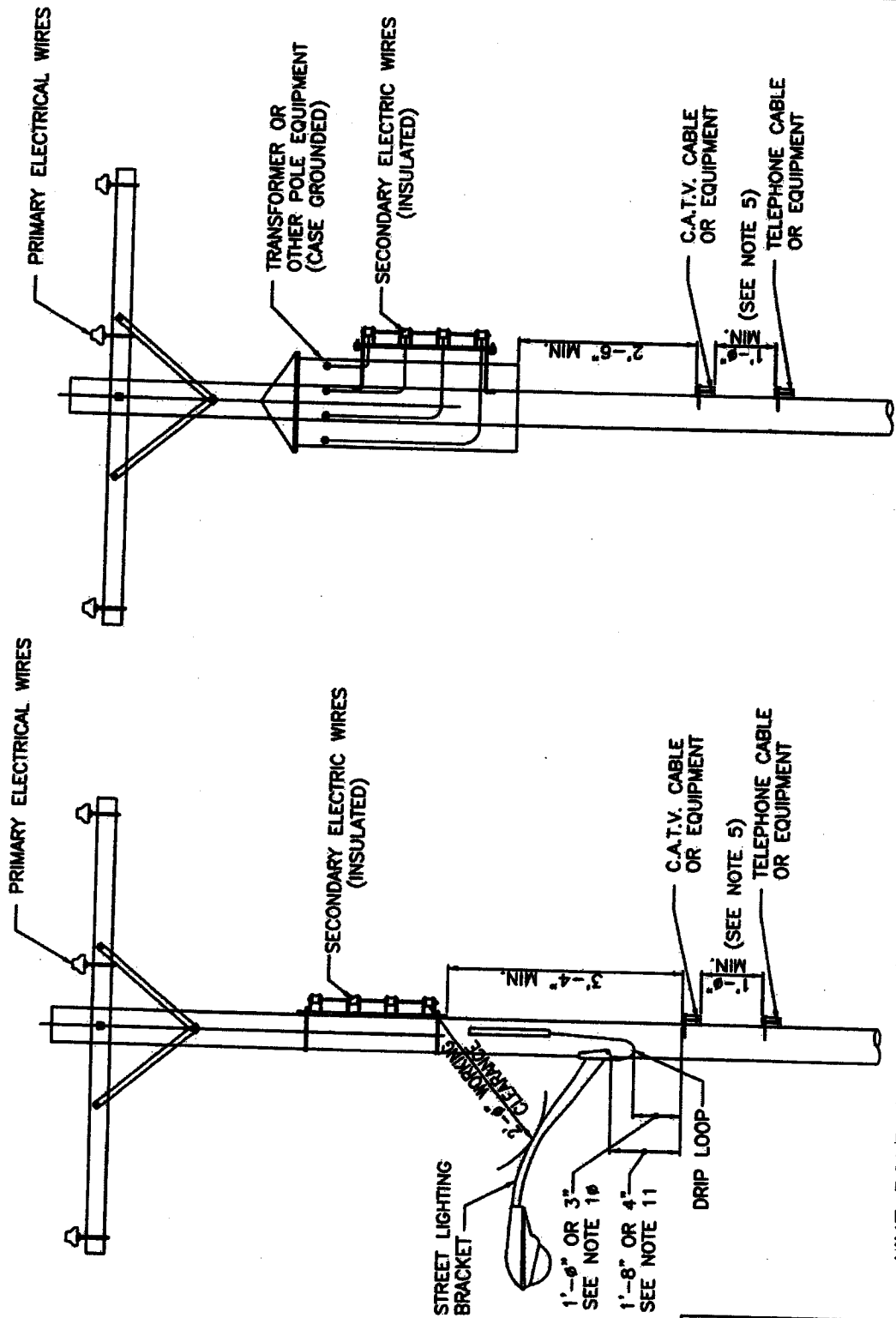
**E. Price to Cover**

The price shall cover the cost of all supervision, labor, materials, tools, equipment and incidentals required to perform the work in the presence of overhead utilities and to maintain adequate clearance from the overhead facilities during all phases of construction. The price includes, but is not limited, to modification of any methods of operation, use of appropriate equipment, maintenance of traffic, extended performance, loss of productivity, protective measures, delays, change in sequencing and scheduling, breakdown and build up for pile driving equipment (manual and hydraulic) in direct interference with overhead facilities and any other costs that may be incurred by the Contractor.

**F. Reference Drawings**

1. Sketches JB 360A, JB 360B, JB 360C, JB 360D
2. Con Edison specification EO-4647-C





LINE POLE WITH STREET LIGHTING  
BRACKET - TYPICAL CONFIGURATION  
NOT TO SCALE

TRANSFORMER POLE - TYPICAL CONFIGURATION  
NOT TO SCALE

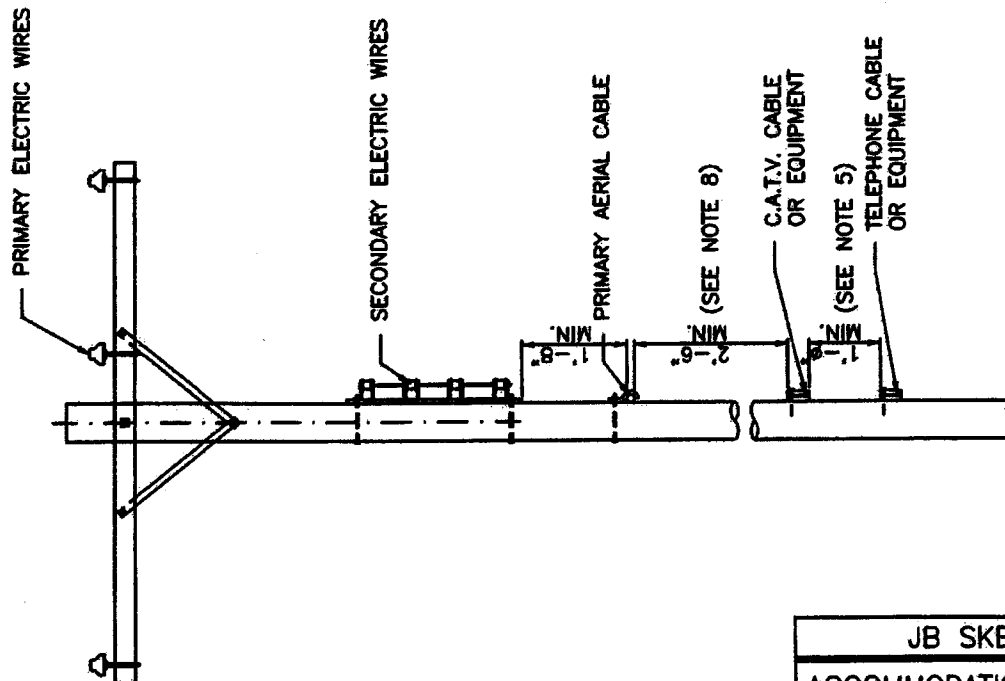
NOTE: CABLE INSULATION PER CON EDISON SPECIFICATIONS EO-16-6 & EO-17  
(SUBJECT TO FIELD ASSESSMENT BY CON EDISON)

CJB SKETCH	
OVERHEAD ACCOMODATION PROTECTION OF OVERHEAD FACILITES, POLES AND APPURTENANCES	
REVISIONS	CONTRACT NO.
01/11/01	SKETCH NO.
	2B366A



NOTES:

1. ALL CLEARANCES ALSO APPLY TO ARMLESS CONSTRUCTION.
2. WHERE PRIMARY AERIAL CABLE IS INSTALLED, MAINTAIN 2'-6" MIN. CLEARANCE BETWEEN THIS PRIMARY CABLE AND C.A.T.V. FACILITIES.
3. C.A.T.V. RISERS NOT ALLOW ON POLES WHERE POWER OR TELEPHONE RISERS ARE PRESENT OR PROPOSED.
4. POLE STEPS ARE LIMITED TO POLES CARRYING EQUIPMENT OTHER THAN WIRES. LOWEST STEP SHALL BE 9'-6" ABOVE GROUND.
5. THIS DIMENSION IS IN AGREEMENT WITH BELL SYSTEM MANUAL OF CONSTRUCTION PROCEDURES. WHERE COMMUNICATION EQUIPMENT IS MOUNTED ON BOTH SIDES OF POLE, REFER TO THIS MANUAL FOR REQUIRED CLEARANCE.
6. A 2'-6" SQUARE CLIMBING SPACE SHALL BE PROVIDED TANGENT TO THE POLE AND SHALL BE KEPT CLEAR OF SERVICE DROPS. ITS HEIGHT AND DEPTH SHALL EXTEND AT LEAST 3'-4" ABOVE AND BELOW ANY COMMUNICATION CABLE OR FACILITY. VARIOUS TYPICAL CLIMBING CONFIGURATIONS ARE SHOWN IN BELL SYSTEM MANUAL OF CONSTRUCTION PROCEDURES.
7. ONE CURBSIDE QUADRANT SHOULD BE KEPT CLEAR OF SERVICE DROPS TO FACILITATE POLE REPLACEMENT.
8. MINIMUM MID-SPAN CLEARANCE OF 0'-10" BETWEEN UTILITY AERIAL CABLE AND C.A.T.V.
9. GROUND FOR STREET LIGHT SHALL BE #6 AWG COPPER FROM BOTTOM OF STREET LIGHT BRACKET TO NEUTRAL.
10. 3" IF DRIP IS COVERED BY SUITABLE 1/2" NON-METALLIC COVERING (STK.NO.596-#745) WHICH EXTENDS AT LEAST 2" BEYOND THE LOOP.
11. 4" IF LIGHTING BRACKET IS EFFECTIVELY GROUNDED AND DRIP LOOP IS COVERED BY A SUITABLE 3/4" NON-METALLIC COVERING (STK.NO.596-#737).
12. CABLE INSULATION PER CON EDISON SPECIFICATIONS EO-16-6 & EO-17 (SUBJECT TO FIELD ASSESSMENT BY CON EDISON)



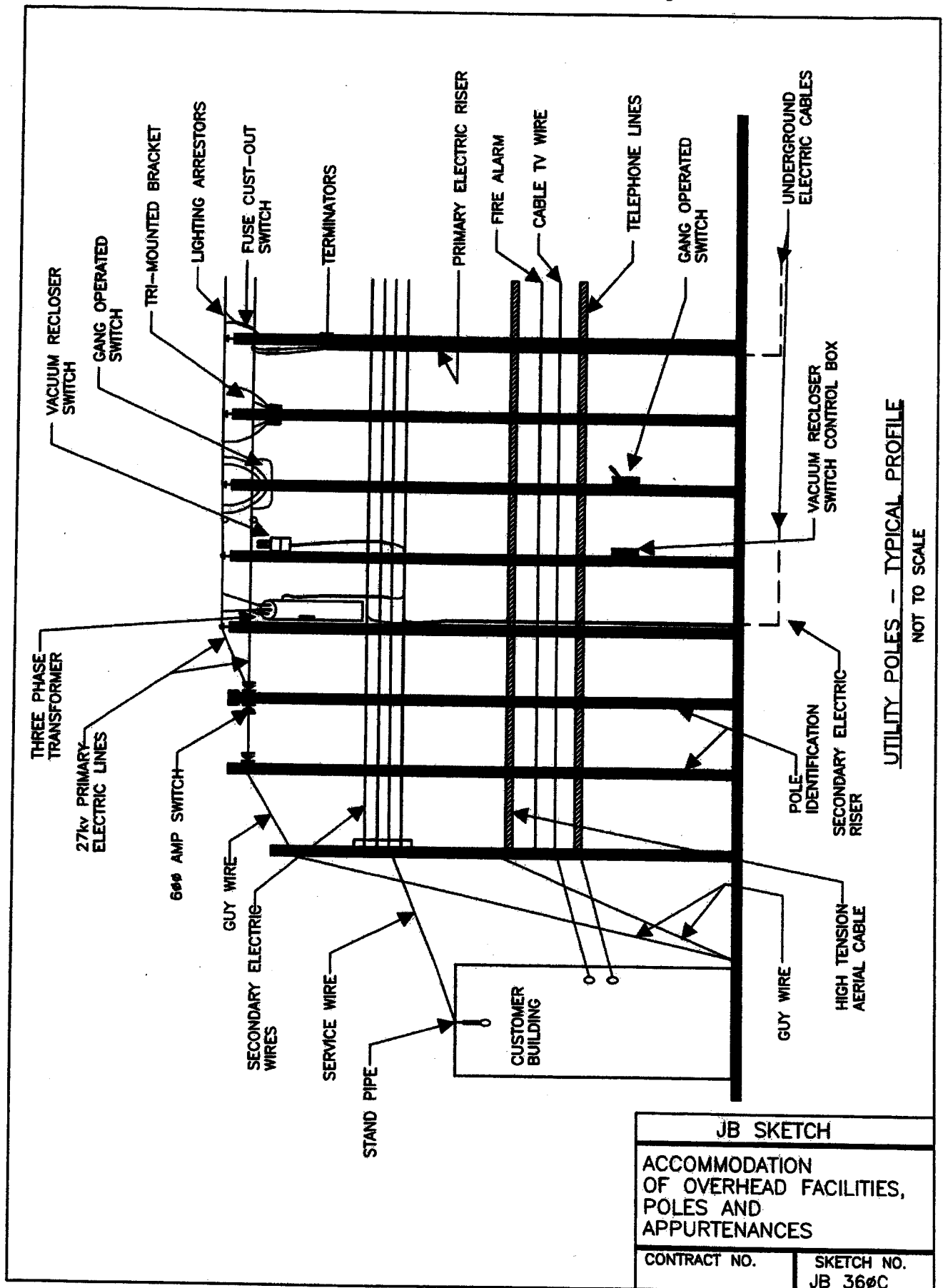
## JB SKETCH

ACCOMMODATION OF  
OVERHEAD FACILITIES,  
POLES AND  
APPURTENANCES

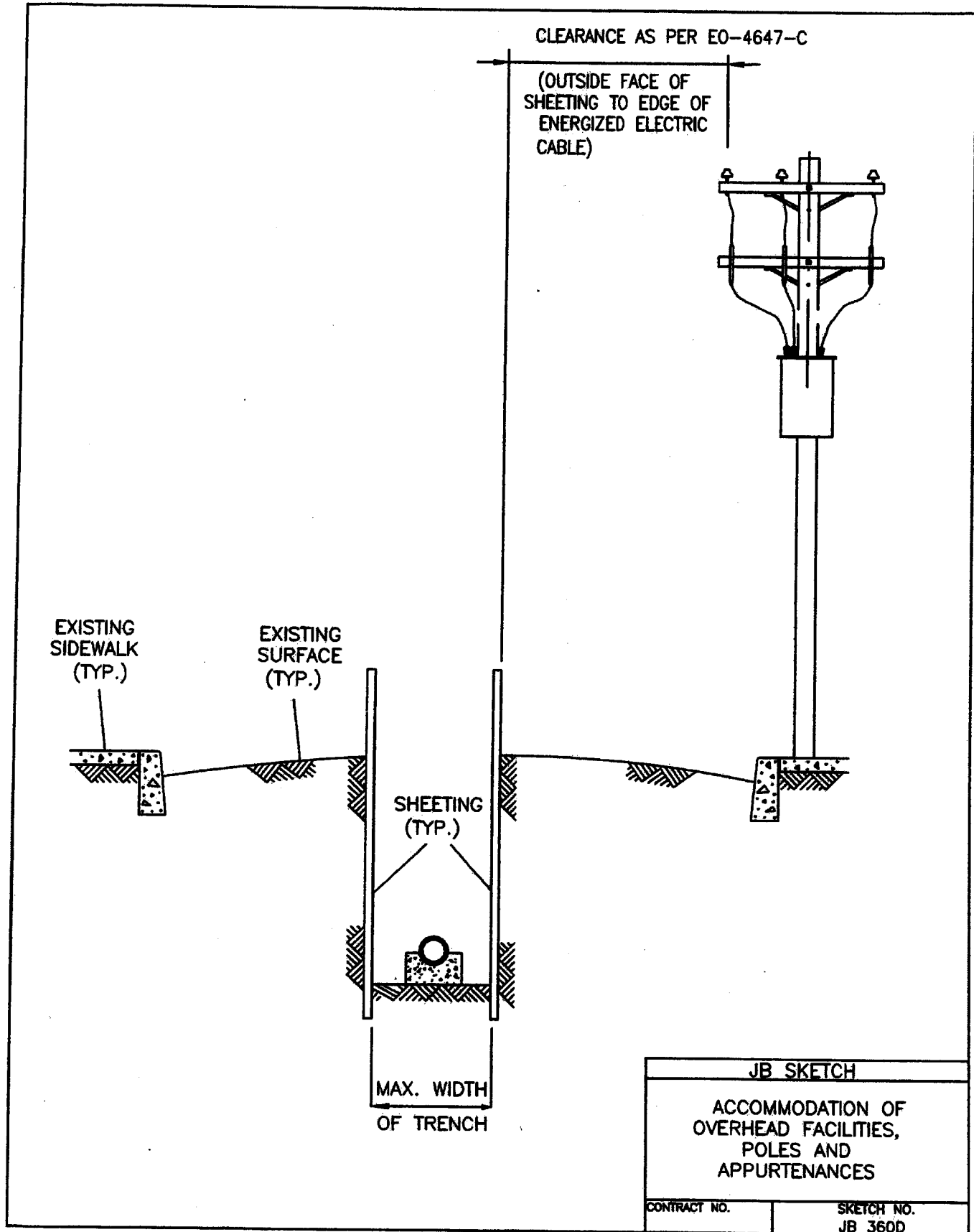
CONTRACT NO.

SKETCH NO.  
JB 360B











**JB 402T - HORIZONTAL AND VERTICAL ADJUSTMENT OF  
TELECOMMUNICATIONS FACILITIES**

**A. Description**

Under this section, the Contractor shall provide all labor, materials, equipment, insurance and incidentals required to adjust and support and protect and maintain and accommodate the integrity of utility facilities including but not limited to:

1. Conduit(s);
2. Cables and Air Pipe
3. Concrete Encased/Capped Conduit Banks

The work shall be performed in accordance with the specifications, the attached Sketch # JB 402 A and at the direction of the facility operator(s).

**B. Materials**

All materials used to adjust and support and protect and maintain and accommodate the integrity of utility facilities shall be similar to those indicated on the standard Sketches JB 100 A & 100 A-1 and shall be supplied by the Contractor and be approved by the facility operator(s).

Materials used for replacing conduit(s) removed under this item shall be supplied by and installed by the Contractor and shall include but not be limited to the following:

1. Bends
2. Split and Solid Conduit(s): PVC and Steel
3. Couplings and Adapters: PVC, Tile and Steel
4. Straps or plastic ties

PVC conduit and fittings shall be as supplied by American Pipe and Plastics, Type "C" or approved equal.

Steel Pipe and fittings shall conform to ASTM A53 Schedule 40

Tile to PVC adaptors shall be as supplied by American U-Tel or approved equal.

**C. Methods of Construction**

Lengths of "wing-back" shall be approved by the facility operator(s). All work performed prior to that approval shall be at the contractor's risk.

Methods of construction shall include but not be limited to the following:



### 1) Removal and Support

- a. Break with hand held power tools, remove and dispose of plain or reinforced concrete encasement
- b. Break with hand held power tools, remove and dispose of conduit(s) enclosures and conduit that contain conductor(s) and/or cable(s) except steel/iron conduits, inner ducts and 1 ¼" to 1 ½" PVC "quad ducts. Breaking - "ringing and ripping" - of steel/iron conduits belonging to VER shall be performed by VER forces only. Contractor shall make safe the work area to accommodate the VER forces.
- c. Support and protect exposed conduits, cables, innerduct and airpipe as shown in Sketch JB 100A-1 and approved by the facility operator(s).
- d. Facility operator(s) cables may require inspection, testing and encapsulation before they can be shifted. Contractor shall make safe the work area to accommodate these forces. Contractor shall be notified by the facility operator(s) of requirements before the conduits are broken-out.

### 2) Adjust or Move Conductor(s) and/or cable(s) and support

- a. Cable shall be relocated horizontally and/or vertically as directed by the facility operator and in accordance with Sketch # JB 402 A.
- b. Support and protect conductors and/or cables as shown on Sketch JB 100 A-1 and/or as directed by the facility operator(s).

### 3) Replacement, Encasement, Protection and Support

- a. Replace vacant and loaded conduit(s) with solid and/or split conduit(s) and adapters.
  - i. Vacant Conduit - Repairs to conduits shall not be permitted. All damaged or impaired lengths of conduit(s) shall be removed and replaced with new conduit(s). The number of vacant conduits replaced shall be confirmed by the facility operator(s).
  - ii. Loaded Conduit - Replacement of conduits which are removed from around existing cable(s) or inner duct(s) shall be accomplished with split plastic (PVC) or split steel conduits as directed by the facility operator(s). Where split and solid plastic or steel conduit is used, the conduit(s) shall be spaced 1½ inches from each other. All split PVC shall be secured with plastic straps spaced at a maximum distance of eighteen (18") inches. Plastic conduit shall be joined



with plastic couplings. It may be feasible for Contractor to leave conduit intact and break conduit joint(s) to clear the interference. Contractor must replace broken joint.

- iii. Adapting - Joining plastic conduit to existing conduits of other diameters or material shall be done using single or multiple adapters, (supplied by contractor).
- b. If due to subsurface conditions, the cover is less than 20" from finished grade, the duct shall be protected with steel plates furnished by the facility operator(s) and measured for payment under Item JB 403.
- c. Support and protect cable(s) and/or conductor(s) and conduit(s).
- d. Encase all exposed conduit with concrete ( $f'c = 1200$  to 1500 psi maximum) with slump commensurate to completely fill voids around conduits. Concrete encasement shall extend to two (2") inches beyond the limits of the duct bank vertically and horizontally.

#### **D. Method of Measurement**

The quantity to be measured for breaking out conduits, removing concrete, moving, protecting and supporting cables and replacing conduits with split and solid conduit, shall be paid for by the linear foot (L.F.) of each conduit replaced. A linear foot of conduit shall be defined as one (1) single conduit measured along its longitudinal axis that has been broken out or moved from its original location either horizontally and/or vertically and measured in its final location between the limits shown on Sketch JB 402 A. Where multiple separate conduits exist within a single enclosed unit similar to multiple tile duct, each separate conduit within the enclosed unit shall be measured for payment under this item. Quad PVC ducts produced as one unit shall be consider one duct for each quad unit. All conduits removed and not restored shall be covered for payment under the appropriate items for Removal of Abandoned Masonry for Utility Facilities and/or Removal of Abandoned Utility Conduits.

Each type of utility adjustment shall be paid for separately. The types of utility adjustments are defined as follows:

JB-402T.1 - Existing Occupied Concrete Encased Conduits Placed in Final Position without Concrete Encasement. (L.F.)

JB-402T.1A - Existing Occupied Concrete Encased Conduits Placed in Final Position with Concrete Encasement. (L.F.)



**JB -402T.2 - Existing Occupied Non-Concrete Encased Conduits Placed in Final Position without Concrete Encasement. (L.F.)**

**JB -402T.2A - Existing Occupied Non-Concrete Encased Conduits Placed in Final Position with Concrete Encasement. (L.F.)**

**JB -402T.V1 - Existing Vacant Concrete Encased Conduits Placed in Final Position without Concrete Encasement. (L.F.)**

**JB -402T.V1A - Existing Vacant Concrete Encased Conduits Placed in Final Position with Concrete Encasement. (L.F.)**

**JB -402T.V2 - Existing Vacant Non-Concrete Encased Conduits Placed in Final Position without Concrete Encasement. (L.F.)**

**JB -402T.V2A - Existing Vacant Non-Concrete Encased Conduits Placed in Final Position with Concrete Encasement. (L.F.)**

**JB -402T.J1 - Existing Occupied Concrete Encased Conduits Placed in Final Position without Concrete Encasement (L.F.) in Which Only Conduit Joints are Broken Out and Conduits Remain Intact.**

**JB -402T.J1A - Existing Occupied Concrete Encased Conduits Placed in Final Position with Concrete Encasement (L.F.) in Which Only Conduit Joints are Broken Out and Conduits Remain Intact.**

**JB -402T.J2 - Existing Occupied Non-Concrete Encased Conduits Placed in Final Position without Concrete Encasement (L.F.) in Which Only Conduit Joints are Broken Out and Conduits Remain Intact.**

**JB -402T.J2A - Existing Occupied Non-Concrete Encased Conduits Placed in Final Position with Concrete Encasement (L.F.) in Which Only Conduit Joints are Broken Out and Conduits Remain Intact.**

#### **E. Price to Cover**

The Contract price per linear foot (L.F.) of conduit under each item shall cover the cost of all labor, material, equipment, insurance, and incidentals necessary to shift, adjust, support, protect, maintain and accommodate the integrity of utilities without disruption of service to the facility operator's customers and in accordance with contract documents. The price bid shall also include the cost of: breaking out, removal and disposal of plain or reinforced concrete encasements and conduits, replacement with field split, split and solid

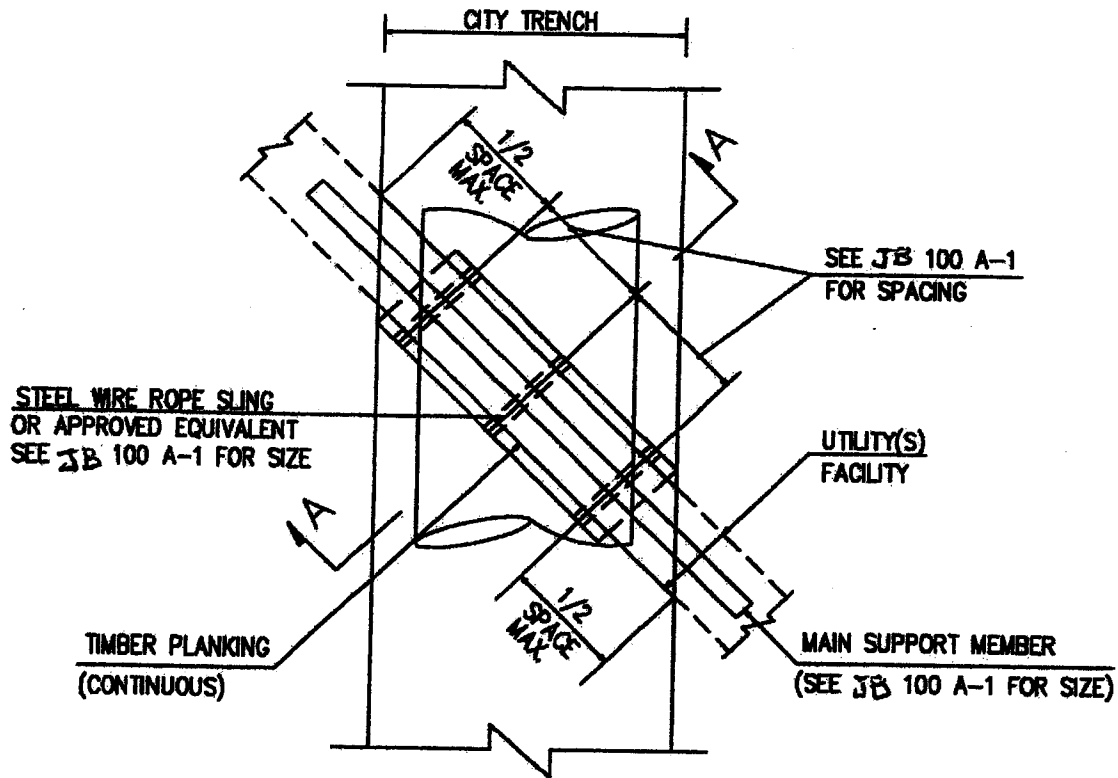


conduits, adapters, clamps, straps and couplings; furnish and install concrete encasement, supports, slings and beams for utility support; changes of sheeting method and/or configuration when required and where necessary to accommodate the utilities during all phases of contract work; any impact associated with maintenance and protection of traffic; and removal of sheeting around the utilities, and all else necessary and required to complete the work. The support and protection of utility crossings encountered while installing/removing the affected city facility shall be included in this CET item. No additional payment shall be made for utility crossings.

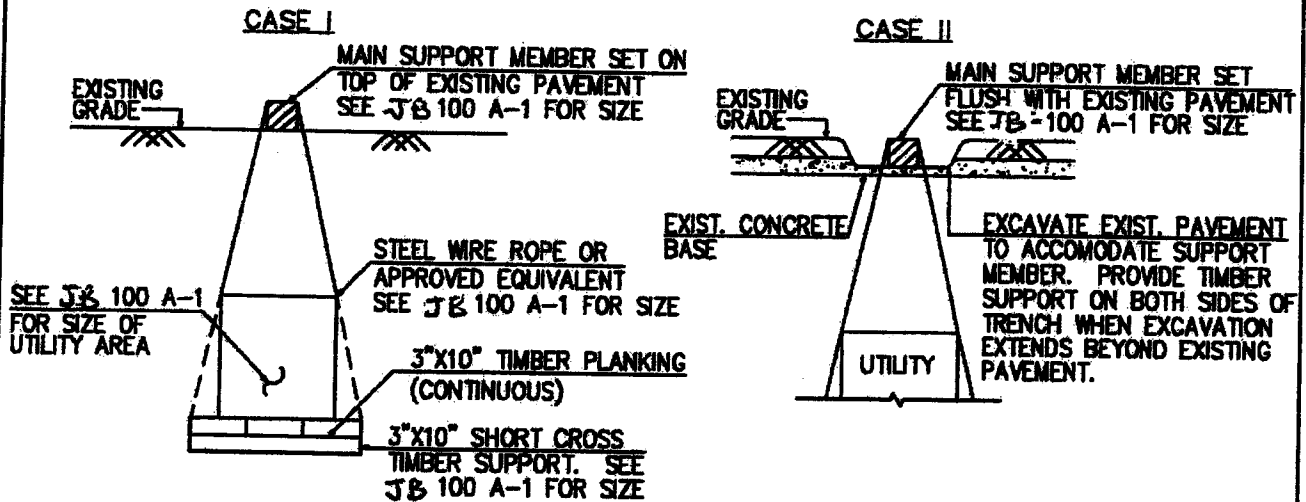
**F. References**

1. Sketches JB 100A and 100A-1
2. Sketch JB 402A
3. JB 403
4. American Pipe and Plastics, P.O. Box 577, Binghamton, N.Y. 13902
5. American U-Tel, 9760 Smith Rd., Willoughby, Ohio 44094





**PLAN**  
N.T.S.



**SECTION A-A**  
N.T.S.

**NOTE:**  
VARIOUS ANGLES AND DEPTH  
ARE AS DEFINED IN  
ITEM JB 100-116.

**JB SKETCH**

TEMPORARY SUPPORT  
OF UTILITY(S) CROSSING  
CITY TRENCH

**REVISIONS**

11-07-03

CONTRACT NO.

SKETCH NO.  
JB 100 A



WATER/SEWER DIAL	CROSS SECTION AREA OF PRIVATE UTILITIES	BENCHMARK SUPPORT RING *		NUMBER OF MAIN TIMBER SUPPORT MEMBERS				MAIN STEEL SUPPORT MEMBERS	TIMBER SHORT SIZE SEE NOTE 1
		NUMBER REQUIRED	UTILITY SUPPORT LENGTH	4" X 4"	4" X 6"	3" X 10"	4" X 12"	1 REQUIRED	1 PER RING
D-12	A=0.75 SF.	1	7.1 FT	1	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	2	7.1 FT	-	1	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	3	7.1 FT	-	-	2	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	4	7.1 FT	-	-	3	-	W 8 X 10	3" X 10"
	10.0-A=15.0 SF.	4	7.1 FT	-	-	-	2	W 6 X 25	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									
12"-D-24"	A=0.75 SF.	1	8.5 FT	2	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	2	8.5 FT	-	1	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	4	8.5 FT	-	-	3	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	5	8.5 FT	-	-	4	-	W 8 X 10	3" X 10"
	10.0-A=15.0 SF.	5	8.5 FT	-	-	-	3	W 6 X 25	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									
24"-D-36"	A=0.75 SF.	1	8.9 FT	2	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	3	8.9 FT	-	1	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	4	8.9 FT	-	-	3	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	8	8.9 FT	-	-	5	-	W 8 X 10	3" X 10"
	10.0-A=15.0 SF.	8	8.9 FT	-	-	-	4	W 6 X 25	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									
36"-D-48"	A=0.75 SF.	2	11.3 FT	3	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	3	11.3 FT	-	2	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	5	11.3 FT	-	-	4	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	7	11.3 FT	-	-	7	-	W 8 X 10	3" X 10"
	10.0-A=15.0 SF.	7	11.3 FT	-	-	-	5	W 6 X 31	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									
48"-D-64"	A=0.75 SF.	2	12.0 FT	3	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	3	12.0 FT	-	2	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	6	12.0 FT	-	-	5	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	7	12.0 FT	-	-	8	-	W 8 X 10	3" X 10"
	10.0-A=15.0 SF.	7	12.0 FT	-	-	-	6	W 6 X 31	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									
54"-D-80"	A=0.75 SF.	2	12.7 FT	3	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	4	12.7 FT	-	2	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	6	12.7 FT	-	-	5	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	8	12.7 FT	-	-	8	-	W 8 X 10	3" X 10"
	10.0-A=15.0 SF.	8	12.7 FT	-	-	-	6	W 6 X 31	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									
60"-D-96"	A=0.75 SF.	2	14.1 FT	4	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	4	14.1 FT	-	2	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	7	14.1 FT	-	-	6	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	9	14.1 FT	-	-	10	-	W 8 X 31	3" X 10"
	10.0-A=15.0 SF.	9	14.1 FT	-	-	-	8	W 10 X 45	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									
72"-D-108"	A=0.75 SF.	2	15.5 FT	5	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	5	15.5 FT	-	3	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	7	15.5 FT	-	-	8	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	10	15.5 FT	-	-	12	-	W 8 X 31	3" X 10"
	10.0-A=15.0 SF.	10	15.5 FT	-	-	-	9	W 10 X 45	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									
> 84"	A=0.75 SF.	2	15.5 FT	5	-	-	-	W 4 X 13	2" X 4"
	0.75-A=2.00 SF.	5	15.5 FT	-	3	-	-	W 6 X 15	3" X 4"
	2.00-A=6.00 SF.	7	15.5 FT	-	-	8	-	W 6 X 15	3" X 4"
	6.00-A=10.0 SF.	10	15.5 FT	-	-	12	-	W 8 X 31	3" X 10"
	10.0-A=15.0 SF.	10	15.5 FT	-	-	-	9	W 10 X 45	3" X 10"
(METHOD OF SUPPORT TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY FACILITY OPERATOR)									

**NOTES**

1. TIMBER SHORT CROSS SIZE SUPPORTING 3"x10" CONTINUOUS TIMBER PLANKS
2. THIS SKETCH SHALL NOT BE USED FOR COMPUTATION OF PAYMENT LINES. FOR PAYMENT SEE J3 SKETCH 100E.

\* SLING SHALL BE 2" WIDE NYLON STRAP OR EQUIVALENT (SLING CAPACITY SHALL BE 6,000 LBS.) ONE (1) TIMBER SHORT CROSS REQUIRED AT EACH SLING SUPPORTING 3"x10" CONTINUOUS TIMBER PLANKS.

**ASSUMPTIONS**

1. ASSUME CROSS SECTION AREAS ARE SOLID CONCRETE AT 1500#/C.F.
2. ASSUME ALLOWABLE BENDING STRESS FOR TIMBER MEMBERS IS 1200 PSI.
3. ASSUME ALLOWABLE TIMBER SHEAR STRESS IS 90 PSI.
4. ASSUME ALLOWABLE SHEAR STRESS FOR STEEL MEMBERS IS 1000 PSI.

\*\* ALSO APPLIES FOR 9"x8" EXCAVATIONS FOR CATCHBASINS UNDER ITEM J3225

**REVISIONS**

11-07-03

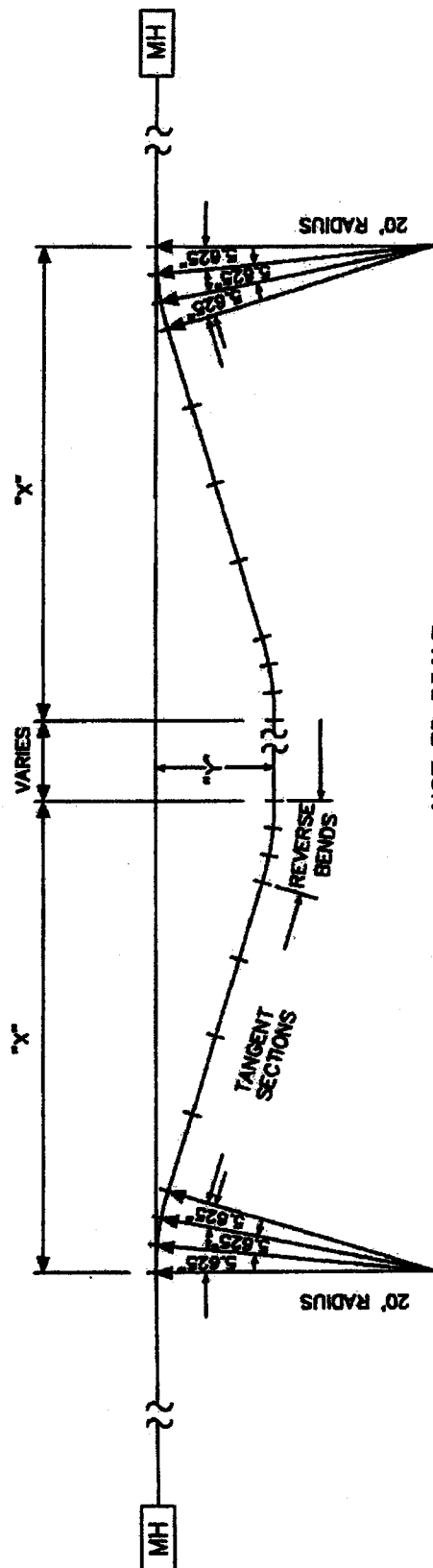
**SKETCH**

SUPPORT REQUIREMENTS  
FOR PRIVATE UTILITY  
CROSSING ITEMS  
(PLAN & SECTION A-A  
SKETCH NO. 100 A)

CONTRACT NO.

SKETCH NO.  
J3 100 A-1





NOT TO SCALE

"Y" OFFSET OF DUCT AXIS	COMBINATION OF 20' RADIUS- BEND SECTIONS AND TANGENT SECTIONS			"X" HORIZONTAL & VERTICAL DISTANCE FROM START OF OFFSET TO POINT OF MAXIMUM OFFSET
	BEND	TANGENT	REV. BEND	
0.8 FEET	2	0	2	7.8 FEET
1.7 FEET	3	0	3	11.6 FEET
2.9 FEET	3	1	3	15.4 FEET
4.1 FEET	3	2	3	19.3 FEET
5.2 FEET	3	3	3	23.1 FEET
6.4 FEET	3	4	3	26.9 FEET

BEND SECTIONS ARE 20' RADIUS, 5' 5/8" LONG.  
TANGENT SECTIONS ARE 4' LONG STRAIGHT.

JB SKETCH

HORIZONTAL/VERTICAL  
ADJUSTMENTS  
FOR ELECTRIC

REVISIONS

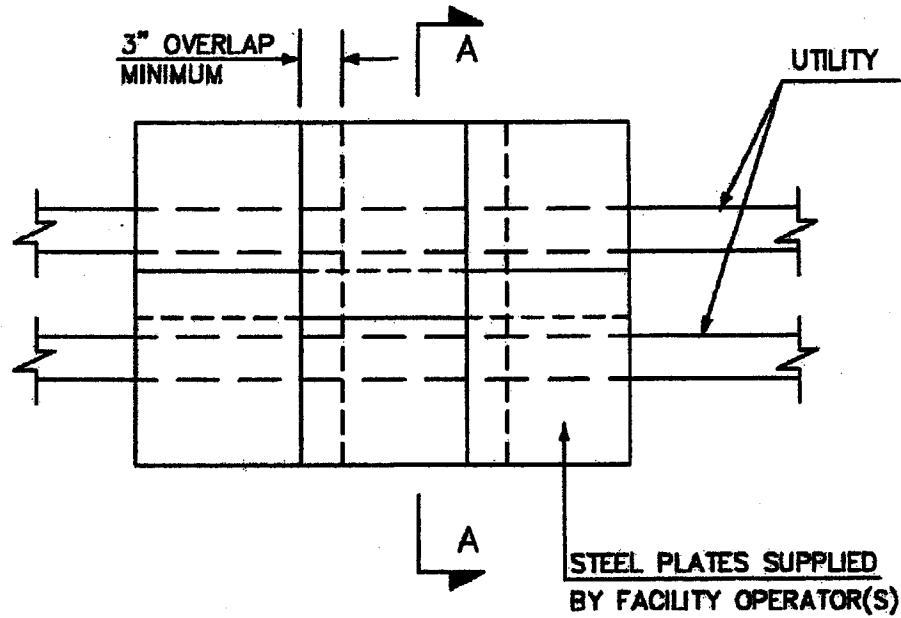
11-20-01

CONTRACT NO.

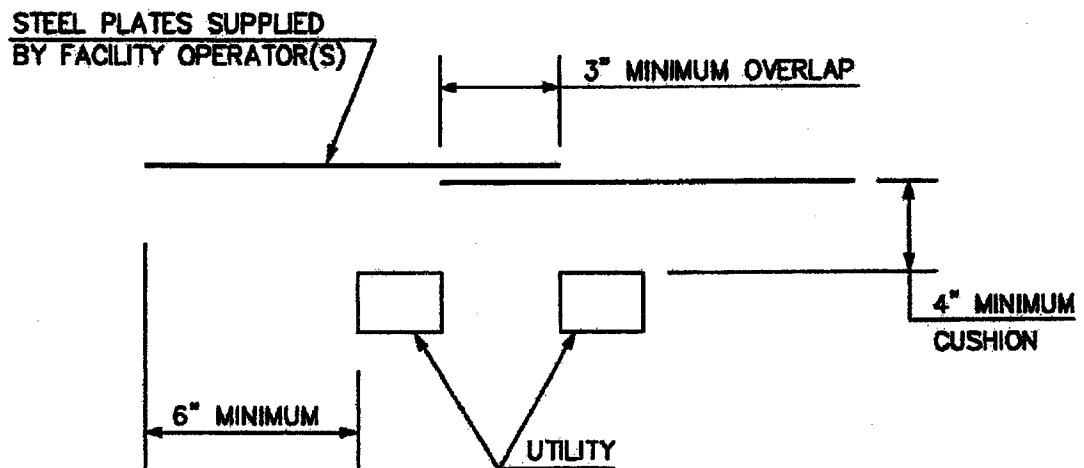
SKETCH NO.

JB 402 A





PLAN  
NOT TO SCALE



SECTION A-A  
NOT TO SCALE

TYPICAL PLATE SIZES:  
15" x 21" x 3/8"  
16" x 24" x 3/8"  
21" x 27" x 3/8"

REVISIONS
11-17-00

JB SKETCH	
PLACING STEEL PROTECTION PLATES FOR ELECTRIC AND TELEPHONE FACILITIES	
CONTRACT NO.	SKETCH NO. JB 403



## **JB 803 - LINE CUT BY PNEUMATIC TOOLS IN LIEU OF SAW CUT ASSOCIATED WITH ROADWAY OPERATIONS**

### **A. Description**

Under this Section, the Contractor shall provide all incremental labor, equipment, insurance and incidentals required to maintain, protect, support and accommodate the integrity of utility facilities that include but are not limited to oil or static facilities, and any other facilities of various sizes and configurations paralleling or crossing proposed saw cut areas located within a zone of protection associated with roadway removal operations, as determined by the utility operator. Utility facilities which cross under and between the saw cut areas are included within this item. The work shall be performed in accordance with the contract plans, the specifications, and as encountered during construction and determined by the facility operator(s).

### **B. Materials - N/A**

### **C. Method of Construction**

The Contractor shall maintain, protect, support and accommodate the integrity of all utility facilities of various sizes and configurations paralleling or crossing the saw cut area within a zone of protection as determined by the Facility Operator, during the roadway saw cut. The facility operator(s) shall identify the locations of all utilities within the contract area as required by New York State Industrial Code Rule 753. As provided by the Rule, the Contractor shall use pneumatic tools to line cut the pavement in lieu of saw cut by machine. It is the sole discretion of the facility operator(s) to determine relationships and/or dimensions, and advise the Contractor to proceed with pneumatic tools to line cut existing roadway structure.

### **D. Method of Measurement**

The quantity to be measured for payment shall be the number of linear feet (LF) of line cut performed by pneumatic tools measured along the length of cut. The contract item specified under this section shall not be measured for payment in conjunction with other types of utility items. Modifications to work methods required in areas between zones of protection for multiple utilities or Joint Bid (JB) facilities shall not be measured for payment and are included in the price bid for this item.

JB 803.1 - Line cut Asphalt Roadway

JB 803.2 - Line cut any combination of Asphalt and Concrete Roadway

JB 803.3 - Line cut any combination of Asphalt, Concrete, and Belgium Block

### **E. Price to Cover**

The unit price per linear foot shall include the incremental cost for all labor, equipment, insurance and incidentals required to maintain, protect, support and accommodate the integrity



of utility facilities paralleling or crossing the saw cut area associated with the removal of roadway designated for protection of utilities by the facility operator(s).

The unit price shall also include the additional cutting, removing and disposing of roadway materials; and any backfill that may be required to support, protect, maintain and accommodate the integrity of the utility facilities. The price shall also include the incremental cost of providing all vehicular and pedestrian traffic maintenance necessary to perform the work.

The Contractor shall be responsible for any and all damages resulting from and/or due to saw cutting operations that are not performed in accordance with the specifications.

#### **F. References**

1. NYS Industrial Code Rule 753



## **JB 850 - INSTALLATION OF RUBBER SHEETS FOR UTILITY FACILITIES**

### **A. Description**

Under this Section, the Contractor shall place permanent Rubber Sheets supplied by the facility operator(s) to protect utility facilities where directed by the facility operator(s) in consultation with the Resident Engineer.

### **B. Materials**

Materials shall be supplied and delivered by the facility operator(s) at the job site or construction yard as directed by the Contractor.

### **C. Method of Construction**

Rubber Sheets shall be placed in accordance with the attached facility operator(s) Specification for the Installation of High Pressure Pipe For 69, 138 and 345 kV Cable Systems, CE-TS-3352, under section 1.2.4.

### **D. Method of Measurement**

The quantity for payment shall be the area of permanent rubber sheets installed and measured in Square Feet (S.F.). Each rubber sheet is typically 1/2" thick, 48" wide by 18' long.

### **E. Price to Cover**

The unit price bid shall cover the cost of all labor, material, equipment, insurance, and incidentals necessary to complete the work.

### **F. References**

#### **1. Specification**

CE-TS-3352: Specification for the Installation of High Pressure Pipe For 69, 138 and 345 kV Cable Systems



**CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
4 IRVING PLACE  
NEW YORK, NEW YORK 10003**

**ENGINEERING SPECIFICATION**

**CE-TS-3352**

**SPECIFICATION FOR THE INSTALLATION  
OF HIGH PRESSURE PIPE  
FOR 69, 138 AND 345 kV CABLE SYSTEMS**

**SECTION I – GENERAL REQUIREMENTS  
REVISION 16**

**February, 2007**

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**SECTION I – GENERAL REQUIREMENTS**

**1.1 SCOPE**

**1.2** This specification covers the installation and testing of high pressure pipes for the 69 kV, 138 kV and 345 kV cable systems inside and outside of station areas. It includes pipes to be occupied by the pipe type cable system and the pipes to be used for dielectric fluid associated with pressurizing or cooling of the feeders.

**1.3** This specification also:

**1.3.1** Identifies all equipment and materials to be supplied and installed by the Contractor.

**1.3.2** Identifies all equipment to be supplied by others and installed by the Contractor.

**1.3.3** Identifies the location where the equipment and materials are to be installed by the Contractor.

**1.3.4** Describes the conditions to be met for the installation of the equipment and materials.

**1.3.5** Supply the Contractor with Company and/or Manufacturer's drawings showing details for the proper installation of equipment.

**2.1 PROJECT DESCRIPTION**

**2.2** Installation of high pressure pipe for 69, 138 and 345 kV cable systems.

**3.1 APPLICABLE STANDARDS AND REFERENCES**

**3.2** The latest editions of the following laws, regulations, codes and standards issued by the following organizations and agencies are applicable to the scope of work covered in this specification:

**3.2.1** Institute of Electronic and Electrical Engineers (IEEE)

**3.2.2** National Electric Code (NEC)

**3.2.3** National Electric Safety Code (NESC)

**3.2.4** American National Standards Institute (ANSI)

**3.2.5** National Electric Manufacturers Association (NEMA)

**3.2.6** New York State Department of Environmental Conservation (NYSDEC)

**3.2.7** New York City Department of Environmental Protection (NYCDEP)

**3.2.8** United States Environmental Protection Agency (EPA)



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3.2.9 Occupational Safety and Health Administration (OSHA)

3.2.10 "Articles of the General Condition" of the Consolidated Edison Company of New York, Inc.

3.2.11 Contractor HASP Manual.

3.3 All violations arising from non-compliance of applicable standards and references are the responsibility of the Contractor and shall be promptly rectified.

**4.1 CONTRACT DRAWINGS, SUPPLEMENTAL SPECIFICATIONS, AND MATERIALS LISTS**

4.2 Drawings, specifications and material lists (electrical, transmission, mechanical, civil, etc.) are provided in Section III of this specification.

4.3 All specifications and drawings attached or referenced herein are the latest revisions. Any new revisions dealing with the subject removals will be furnished as an addendum to the specification and attached tables. All work shall be performed in accordance with the latest detail specification and drawings.

4.4 The Contractor shall submit the "As Built" Drawings within three months after the changes have been incorporated in order that the original drawings may be revised.

4.5 The bid drawings are construction drawings. The Contractor shall do all work strictly in accordance with such construction drawings.

4.6 Specifications and the drawings are complementary and are intended to completely describe the work and what is called for by one, shall be as if, called for by both. If there are any discrepancies or obvious errors in them, the Contractor shall refer the same to the Company for its decision and shall abide by that decision.

4.7 Materials or work described in words or phrases, which so applied, have a well-known technical or trade meaning shall be held to refer to such recognized standards.

4.8 Certain notes on equipment manufacturers' drawings included in the specification, such as "by others" do not apply to this specification. These notes apply to the equipment manufacturer only and the Contractor shall request a clarification by the Company, when in doubt of their interpretation.

4.9 Final installation drawings covering this work will be issued for construction purposes. The Contractor shall do all the work strictly in accordance with such installation drawings.

4.10 In cases where it may be found impracticable to adhere strictly to a drawing during construction, the Contractor shall inform the Company's representative on the job, who may authorize the Contractor to modify the work and who will initiate the revision of the drawings involved.

4.11 The Company will submit to the Contractor a schedule for the performance of the work covered by this specification to which the Contractor shall be required to adhere. Changes in this schedule may be made by mutual agreement of both parties.



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- 4.12 The Contractor shall submit shop or setting drawings and schedules required for the work of the various trades; and the Company will review and approve the drawings with reasonable promptness. The Contractor shall make any corrections required by the Company.

**5.1 SUBMITTALS**

- 5.2 All work by the Contractor shall be performed in accordance with the submitted and approved, site specific Environmental, Health and Safety Plan (eHASP).
- 5.3 The Contractor is responsible for submitting an Environmental and Construction Plan prior to start of all work. The ECP will be approved by the Company.
- 5.4 The Contractor shall furnish for approval any samples of material or workmanship as required and requested by the Company. The final work shall be done in accordance with approved samples.
- 5.5 The Contractor shall submit to the Company, copies of all required permits, licenses, etc., prior to the start of work.

**6.1 SITE REPRESENTATION**

**6.2 Definitions**

6.2.1 Field Representative – When work is performed by a contractor, a representative of the Company's Construction Department, herein referred to as "Field Representative", shall be designated to confer with the Contractor on details concerning the performance of work covered by this Specification. Any proposed tools, equipment or methods for performing the work shall be subject to the Field Representative's approval. He/she shall be notified of all tests so that he/she may arrange to witness the tests, and all test data taken shall be submitted to him/her for approval before the items of work concerned shall be considered as satisfactorily performed. Except where otherwise indicated, the work covered by this specification is to be performed by the contractor.

6.2.2 Engineer – A Discipline Engineer assigned the responsibility for a project by the Central Engineering Department, Transmission Feeders Engineering section, herein shall be referred to as "the Engineer". He/she shall have final responsibility for any changes and exceptions to this specification. Drawings and specifications listed in Section III shall be considered as part of this Specification. Variations affecting the system design or layout concerning the final quality or condition of the work shall be referred to the Engineer for approval. Construction methods shall have the approval of the Construction Department.

6.3 Upon execution of the Contract, the Company will identify in writing to the Contractor, an Engineering Field Representative for the Project. The Engineering Field Representative shall have full authority to act, or to cause others to act, on behalf of the Company, to assure that the work is carried out in full compliance with the requirements of the Contract, and to otherwise generally protect the interests of the Company. The Company may change the Engineering Field Representative at any time by notifying the Contractor, in writing, of the name of the new Engineering Field Representative and the effective date of the change.



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- 6.4 The Company may also designate one or more additional persons to carry out certain responsibilities on its behalf, and, in that event, the Engineering Field Representative will instruct the Contractor as to the relationship between the Engineering Field Representative and such other designated persons.
- 6.5 Except as specifically set forth elsewhere in these General Requirements or as may be otherwise directed by the Engineering Field Representative, in writing, the Engineering Field Representative shall be the principal first point of contact for the Contractor in all matters relating to the execution of the Work.
- 6.6 No action or decision of the Engineering Field Representative or any other representative of the Company will in any way supersede or diminish the Contractor's obligation to perform the Work in complete conformance with all requirements of the Contract.

**7.1 QUALITY ASSURANCE**

**7.2 Qualification and personnel certifications**

- 7.2.1 The Contractor shall provide copies of all necessary documentation for personnel qualification and certifications required to perform the work.

**7.3 Regulatory and permit requirements**

- 7.3.1 The Contractor shall obtain all necessary regulatory and permits required to complete the work and the project. Copies of all permits, licenses, etc, shall be provided to the Company and maintained at the work site. This includes but is not limited to:

- a. Asbestos permits (ACP-5, ACP-7)
- b. SPDES permits
- c. Waste disposal permits
- d. Building demolition permits

**7.4 Test reports, material certifications, and code stamps**

- 7.4.1 The Contractor shall obtain all necessary code stamps for any materials. He shall also obtain and provide copies of all test reports and material certifications for materials, products, etc.

**8.1 PROPOSALS**

- 8.2 Prior to and as necessary during the progress of the work under the contract, the Contractor's representative shall confer with the Company's representative at the job for the purpose of formulating a working program, so that the work performed under one or more contracts may be coordinated to prevent, if possible, any interference with the progress of work of the other Contractors.



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**9.1 SEQUENCING AND SCHEDULING**

- 9.2 All work shall be carried out in such a manner that there will be no interference with station operation. The Company, through a designated representative, will arrange for outages of equipment and for assuring safe working conditions where electrical circuits and equipment are involved. No work on normally alive electrical circuits shall be started without the express permission of the Company's designated representative.
- 9.3 The Contractor shall do all possible preparatory work in advance of equipment shutdown, and he shall provide adequate manpower to do the outage work in the time allotted. The Company reserves the right to perform any items of work which because of operating conditions, should, in the Company's opinion, be performed by Company forces.
- 9.4 No work will be permitted on live electrical circuits, or in central control areas. No cutting will be allowed into floors, walls or ducts without express approval of the Company's inspectors and the Station Supervisor. The station will be maintained in operation during the entire construction period. No compartments, doors or cabinets may be opened or entered into without Company approval. When permission is obtained to work in operating areas, adequate safety precautions shall be exercised to protect personnel and equipment, including barriers, signs and roped-off area. The work schedule shall include allowance for periods when equipment may be taken out of service for alteration, and for work in confined spaces.

**10.1 TRAINING DEMONSTRATION**

- 10.2 None Required

**11.1 OWNER ACCEPTANCE**

- 11.2 A final joint inspection of the completed installation shall be made by representatives of the Company and the Contractor. Final acceptance of the Contractor's work will be contingent upon this inspection in conjunction with other requirements of the contract.
- 11.3 The Company and its representatives shall at all times have access to the Work and the Contractor shall provide proper facilities for such access and for the inspection and testing of the Work.
- 11.4 The Contractor shall keep the Company and the Architect informed of the progress of the Work and shall notify the Company sufficiently in advance of enclosing items of Work, or the work of other contractors, to provide reasonable time for the Company to perform the necessary inspection. No Work, nor the work of other contractors, shall be closed or covered until it has been duly inspected and approved. Should uninspected work or work of other Contractors be covered by the Contractor prior to its inspection, the Contractor shall, if directed by the Company and at its own expense, uncover all such Work, or such work of other contractors, so that it can be properly inspected, and after such inspection the Contractor shall properly repair and replace all affected Work, or work of other contractors, at its own cost and expense.
- 11.5 The Company shall arrange for such inspection of the Work as may be necessary. If, in the opinion of the Company or Architect, the Work is not being installed as required by the Contract, the Company may order such work stopped pending further investigation and a decision by the Company.



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- 11.6 Tests to determine the quality of materials will, unless otherwise specified, be ordered by the Company at the discretion of the Company. If the specifications require the Contractor to provide the inspection service or tests, such inspection or tests shall be made by an engineer or laboratory approved by the Company. Such engineer or laboratory must furnish the Company with as many copies of any inspection or test reports as may be requested. Unless otherwise specified, tests on materials are to be made in accordance with standard methods adopted by the American Society for Testing and Materials.
- 11.7 The right of the Company to inspect and generally supervise the Work is to make certain that the Work conforms to the drawings and specifications and the other Contract Documents. Such inspection and general supervision are not intended to control the contractor as to the manner of performance of the Work.
- 11.8 Any Work installed by the Contractor and found, by the Company, to be defective, or not in strict conformance with the requirements of the drawings and specifications, shall be corrected or removed immediately and satisfactory materials or Work substituted therefore without delay, unless the Company approves such Work subject to an appropriate adjustment in the contract price. The Contractor shall also make good the work of all the other Contractors destroyed or damaged by such corrective Work, removal or replacement. The cost of such corrective Work, removal and replacement shall be at the expense of the Contractor. The Contractor shall promptly remove all rejected materials from the Premises. The Company's authority to reject any Work of the Contractor and any decision of either exercising or not exercising such authority shall not give rise to any duty or responsibility of the Company to the Contractor or any Subcontractor or Supplier.
- 11.9 Should the Company elect, at any time before Final Acceptance, to examine Work already completed by removing, uncovering or testing the same, the Contractor shall, on request, promptly furnish all necessary facilities, labor and materials to remove or uncover such Work to permit such inspection, examination or testing. If such Work is found to be defective or nonconforming in any significant respect, the Contractor shall pay all the expenses of such removal, uncovering, examination, testing and satisfactory reconstruction. If the Work is found to meet the requirements of the Contract documents, the Company shall compensate the Contractor by Change Order, for reasonable additional incurred costs involved in such removal, uncovering, examination, testing and reconstruction and if completion of the Work has been delayed thereby, the Company shall grant the Contractor a reasonable extension in the time allowed for completion.
- 11.10 No previous inspection or payment shall be held as an acceptance of defective Work or materials or relieve the Contractor from the obligation to furnish sound materials and perform satisfactory Work in accordance with the Contract Documents.
- 11.11 Final payment shall not relieve the Contractor of the responsibility for faulty materials or workmanship. The Contractor shall remedy all such defects, paying the cost of such corrective Work and of repair of any damage to other work resulting there from, which shall appear within any guarantee or warranty period provided by the Contractor



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## **Section II – PRODUCTS AND SERVICES**

### **1.1 WORK TO BE PERFORMED BY CONTRACTOR**

#### **1.2 General**

##### **1.2.1 Dry Air**

Prior to the introduction of dry air into any pipe, a Company Representative shall test the air to be used. The dry air and its moisture content shall be in accordance with Con Edison Specification No. EI-4147, latest revision. Compressed air, furnished in trailer loads or bottles from an approved supplier and meeting the specified dew point requirements may be used. Since there is the danger of asphyxiation whenever work is to be done in an enclosed space every precaution shall be taken to insure adequate ventilation whenever and wherever personnel must enter such areas.

##### **1.2.2 Cleanliness**

Every precaution shall be taken to prevent the entrance of dirt, moisture or any other contaminant into any pipe, and all methods and operations by the Contractor shall be subjected to approval by the Field Representative as to the adequacy of these precautions.

##### **1.2.3 Testing**

The Company reserves the right to perform testing with its own personnel. Testing is required to insure the quality of the work or may be needed to provide data concerning the installation.

##### **1.2.4 Excavating Trenches and Openings**

- a. All trenches shall be excavated true to the centerline and grade shown on the approved plan and profile drawings except where unforeseen interferences are encountered. In such cases, specific approval shall be obtained from the Field Representative for appropriate modifications.
- b. In general, the trench shall be excavated to a depth sufficient to provide a minimum of thirty-six inches of cover over the cable pipe or pipes as indicated in Specification No. EO-12640-B, latest revision. When less than twenty-four inches of cover over the cable pipes or pipes associated with pressurization or cooling of the feeders is authorized because of special conditions, suitable guards shall be placed over any pipes having insufficient cover prior to backfill. Such guards shall be flat steel plates having a minimum thickness of 1 inch and wide enough to provide a three-inch overhang on each side of the pipe(s). A concrete pad in lieu of a steel plate shall be used to cover stainless steel or copper risers. Whenever steel plating is used to protect shallow installations, a peering arrangement shall be used, if specified by the Engineer, to prevent the plates from directly contacting the pipe should settlement occur.



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- c. Guards placed over cable pipes shall have a cushion of six inches of compacted approved backfill between the pipe and guards, and guards placed over other associated feeder pipes shall have a cushion of six inches of compacted approved backfill between the pipes and guard. If conditions require the protective steel plates to be installed closer than six inches from the top of these pipes, high density polyethylene skids as per Specification No. EO-8069, latest revision, shall be installed on the pipe before the steel plates are set in place. In no case shall there be less than two inches of compacted backfill between the pipes and the protective plates.
- d. The bottom of all trenches shall be smooth, uniform, and free of all loose rock, stones or other foreign matter. Nothing shall be left in the bottom of the trench that might damage the pipe coating. The trench shall be such that a minimum of six inches of compacted approved backfill shall be beneath and beside the pipe as per Specification No. EO-12640-B, latest revision.
- e. Trench widths and spacing of pipes shall conform to EO-12640-B or as specified on the layout. When the trench is in solid rock, changes to the pipe configuration and trench dimensions may be permitted with the written approval of the Engineer. No decrease in dimensions shall be made without specific approval of the Engineer.

**1.3 Clearance from Subsurface Structures**

- 1.3.1 External heat sources such as steam mains, duct banks containing power cables, and the like, limit the current carrying capability of pipe type feeders. To minimize this influence, a face-to-face separation of not less than twelve feet for horizontal runs nor less than two feet for right angle crossings shall be maintained from all steam mains, steam services six inches and over in size, duct bank systems of six ducts or more and all other pipe type feeders. For steam mains under six inches in size and for power duct bank systems of five ducts or less, the separation shall not be less than six feet in a horizontal direction and 1½ feet in a vertical direction. Where these spacings cannot be obtained, specific approval shall be obtained from the Engineer for corrective measures to be applied. Insulating slabs as per Drawing EO-8935-D, latest revision or specifically designed ventilation chambers shall be used if specified in the layout.
- 1.3.2 All new subsurface electric pipes shall be constructed with a standard minimum clearance of 12 inches from liquid petroleum pipelines, gas lines, transmission facilities or concrete structures. When the 12 inches clearance is not practical it may be reduced to a minimum of six inches, provided approval from the Engineer is obtained and piers and skids as described in Specification No. EO-15362-B, latest revision, are installed on the electric pipes to prevent contact from occurring due to settlement.
- 1.3.3 The minimum clearance from the gas distribution facilities shall be six inches provided that piers as described in Specification No. EO-15362-B, latest revision, are installed to prevent contact between the electric facilities and the



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gas distribution facilities. The minimum clearance from underground gas service laterals shall be six inches provided that an approved protective separator or skids are installed on the electric facilities and the gas service pipeline. The six inch clearance shall not be reduced without the written permission of the Engineer.

- 1.3.4 When pipes pass within 2 feet of water mains or services, a half inch thick natural rubber sheet having a durometer measurement of not less than 60 shall be installed, centered between the pipe(s) and the water mains or services. There shall be an overlap of at least 6 inches between rubber sheets if more than 1 sheet is necessary to protect the pipe. The rubber sheet(s) shall overhang the water main or service by a minimum of 18 inches or as directed by Engineer. Under no circumstances shall the rubber sheet be wrapped around the feeder pipe.

**1.4 Pipe through wall sleeves**

- 1.4.1 When feeder pipes pass through walls whose thickness does not exceed 12 inches, they shall be encased in plastic wall sleeves and sealed with one set of link seals. The size of the wall sleeve as well as the position of the link seals are specified in the Specification No. EO-9230, latest revision.

- 1.4.2 When feeder pipes pass through walls that are wider than 12 inches, link seals should be installed at both ends of the penetration. In such cases, sleeves made of plastic or other dielectric materials, cannot be used. This condition should be avoided whenever possible by designing the thickness of the wall in the area of the pipe penetration to be no more than 12 inches. If this is not possible, sleeve made of electrically conductive materials should be used. Sonotubes or equivalent materials can be used in such applications since they will allow cathodic protection current flow into the annular space when moisture is present.

- 1.4.3 Under no circumstances should the pipe within sleeves of any length be left uncoated.

**1.5 Backfill**

- 1.5.1 Approved backfill is to be used for backfilling under, beside and over the pipe as indicated in Specification No. EO-12640-B, latest revision. To obtain the optimum compaction essential for pipe type feeders, the backfill, including thermal backfill as specified in Specification No. EO-1173, latest revision, shall be compacted in maximum of 12 inch lifts in accordance with Specification No. EO-1181, latest revision, unless otherwise approved by the Company.

- 1.5.2 The Field Representative or Engineer may order as many in-place density tests as he deems necessary to insure proper compaction. The sand-cone test as per ASTM-D1556 or Nuclear Density tester may be used for all in place density tests.

**1.6 Manholes.**

- 1.6.1 Manholes shall have exact overall dimensions as specified on the accompanying drawings. Where water or unstable soil conditions exist, filter fabric and 12 inches of crushed stone or recycled concrete (¾ inch to 2 inch) on top of the filter fabric shall be installed, if directed by the Field Representative.



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**1.5.2** *The location of all joint manholes shall be based on field conditions and on pulling tension requirements, as described in section 14.0 of EO-1109, latest revision.*

**1.5.3** *Stop joint manholes are required as follows:*

- a. Where a dielectric fluid leak from a 69 kV, 138 kV or a 345 kV pipe type cable with a water crossing (over, in or under the water) could enter a waterway, a full stop joint shall be installed at the cable's shore manhole(s) if the need for such a joint is supported by factors such as distance to waterway, feeder elevation profile, sensitive environments (i.e. presence of sensitive threatened or endangered species or wetlands), etc., as well as risks associated with normal operations, failure modes, and catastrophic events.*
- b. A decision not to install a full stop joint at a water crossing shall be approved by the Chief Electrical Engineer with the concurrence of the Vice President of Environmental, Health & Safety.*

**1.6** **Pipe**

**1.6.1** **Steel Pipe**

- a. Steel pipe in accordance with Specification No. EO-9000, latest revision, shall be specified for installation of high pressure cables, pressurization and dielectric fluid circulation systems.*
- b. The cable pipes and associated pressurization or dielectric fluid circulation pipes having a 5 inch or larger diameter, shall be furnished with ends flared in accordance with Specification No. EO-5199-B, latest revision, unless otherwise specified by Central Engineering.*
- c. Each length of steel pipe installed shall have been cleaned and coated externally in accordance with Specification No. G-8196, latest revision. The interior surface of all steel pipes shall have been cleaned and coated as called for in Specification No. EO-8193, latest revision. The pipe shall be provided with end seals tightly plugged to prevent the entrance of dirt and moisture.*

**1.6.2** **Stainless Steel Pipe**

- a. Stainless steel pipe in accordance with Specification No. EO-8097, latest revision, shall be specified for installation of single phase cable.*
- b. Stainless steel pipe shall be delivered externally uncoated and protected from damage internally and externally as specified in Specification No. EO-8097, latest revision. The external field coating shall be in accordance with the method specified in Specification No. G-8209, latest revision.*



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**1.6.3 Copper Pipe**

- a. Copper pipe, when specified to be used for single phase cable installation, shall be of soft drawn de-oxidized copper, fabricated in accordance with ASTM Specification B-42. Copper pipe shall be supplied uncoated.

**1.7 Installation and Tests**

- 1.7.1 A visual inspection of each shipment of coated steel pipe shall be made promptly upon receipt, and arrangements shall be made for the replacement of any defective material.
- 1.7.2 The interior of the pipe and the interior coating shall be inspected and all moisture, oil, grease, or other foreign matter shall be removed. No pipe having any rust on its inner surface shall be welded into the line. The external coating on the pipe shall be tested for pinholes or defects as per Paragraph 1.9 of this specification. Each defect detected shall be satisfactorily repaired and retested.
- 1.7.3 Pipe plugs or caps installed at the coating plant shall be kept in place, except during inspection and cleaning, until the pipe is welded. The ends of each section of pipe shall be kept capped at all times except when caps must be removed for construction work.

**1.8 Unloading, Handling and Hauling**

- 1.8.1 Every precaution shall be exercised in the handling of all pipes. The pipes are to be kept clean, dry and free of any foreign material. Cut ends shall be chamfered to remove burrs or sharp edges and a proper surface shall be provided for welding in accordance with Specification No. G-1064, latest revision. No flame or arc cutting of the pipes shall be permitted. The pipes shall be sealed and purged as specified in Paragraph 1.10.2 and 1.11.4.
- 1.8.2 The coated pipe shall be unloaded, handled, stockpiled, hauled and installed in such a manner as to insure against any damage to the exterior coating. The coated pipe at all times shall be supported on resilient protective padding until it is finally installed in the trench. When supported for their full length, the pipes may be nested and tiered as directed by the Field Representative.
- 1.8.3 No chains or ropes shall be allowed to come in contact with the pipe coating. Canvas slings having a minimum width of ten inches shall be used for lifting the pipe. When lifting or lowering one or more pipe lengths, a sufficient number of canvas slings shall be used to properly distribute the weight and prevent permanent deformation of the pipes or damage to the pipe coating due to flexing. In general, the overhanging pipe length beyond the last support shall not exceed 30% of the pipe length.
- 1.8.4 The coating at all times shall be protected from oil, kerosene, gasoline or other solvents.



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**1.9 Testing External Coatings**

- 1.9.1 A spark test shall be made at 18,000 to 20,000 Volts, peak value, on all coatings as indicated in Specification No. G-8196, latest revision, using an instrument that has been checked by Con Edison. The tests shall be made on the entire length of the pipes including areas coated in the field over welds or at repairs. These tests shall be made as near the time of backfilling as is practicable to insure that the coating is free of defects and to avoid re-excavating to repair defects after the trench has been backfilled. The coater shall furnish Con Edison's Central Stores Department with a written certification as per Specification No. G-8196, latest revision, of a pre-coating inspection.
- 1.9.2 Spark tests shall be made only when the pipe is dry.
- 1.9.3 All defects found shall be repaired as outlined in Specification No. G-8209, latest revision.
- 1.9.4 After the section of pipe has been installed and backfilled, a Coating Resistance Test shall be made by Con Edison's Corrosion Control personnel on the installed section. The minimum acceptable coating resistance value shall be 2,000,000 ohms-square foot. This can be converted into a minimum coating resistance for any length of pipe by the formula: Resistance of section (ohms) = 2,000,000 (ohms-square foot) divided by the surface area of pipe section (sq-ft). This resistance test shall be performed on all pipe sections installed between adjacent manholes; however, tests may be taken at shorter intervals when requested by the Company Field Representative.
- 1.9.5 Whenever the pipe section coating resistance is less than acceptable, an over-the-ground survey shall be conducted to locate coating faults. These faults shall be repaired as outlined in Specification No. G-8209, latest revision, and backfilled. If failing coating resistance values are due to accidental contacts with underground metallic structures, these contacts shall be cleared and all specified clearances shall be maintained. The coating resistance test shall then be repeated to verify that minimum acceptable values are obtained.

**1.10 Pipe Installation - General**

- 1.10.1 Pipe installation shall be carefully planned to insure a minimum elapsed time between the start of trench excavation and the completion of resurfacing over the excavation. Pipe installation shall follow trench excavation as rapidly as possible.
- 1.10.2 Night caps as per Drawing No. EO-7370-B, latest revision, shall be installed to maintain an airtight seal at the ends of the pipes and a positive pressure of dry air maintained within sections so pipes that might become submerged in case of heavy rains.
- 1.10.3 All pipes shall be labeled at each end of every run and at every tie-in point with other piping to positively identify the pipes and their destination.
- 1.10.4 Prior to backfilling, measurements shall be taken so as to provide an "As Constructed" plan and profile of completed lines, including the cover and offset from the baseline of each weld. Copies of the "As Constructed" drawings shall be sent to the Engineer and Property Records after completion of work.



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- 1.10.5 Before any two pieces or sections of pipe are welded together, the interior of each piece or section shall be inspected. If this inspection reveals any condition other than a perfectly clean, dry interior surface, the pipe shall be swabbed with suitable dry swabs until the cleanliness of the interior surface is acceptable to the Field Representative.
- 1.10.6 Where bends are required, the pipe shall be bent with Company approved bending equipment. In general, the minimum radius of curvature to be permitted shall be 40 feet for 345 kV pipe systems and 30 feet for 69 kV and 138 kV systems, except where specific approval is given for a shorter radius. Radii shall be measured with an instrument approved for use by the Field Representative. Adequate measures shall be taken to prevent the pipe from kinking, flattening or going out of round and to prevent damage to the pipe coating during the bending operation.
- 1.10.7 Each bent section of pipe, including the terminal riser cable pipes, shall be checked for ovality before being welded into the line. This test shall be made by pulling through the pipe a mandrel of the size specified in Drawing No. EO-10569-D, latest revision. No pipe through which the mandrel will not pass freely shall be welded into the line.
- 1.10.8 Where it is necessary to pull pipe into or along the bottom of the trench, suitable rollers, straw bags, or other approved means shall be used to prevent damage to the coating.
- 1.10.9 Before stopping work for the night or for any other reason, it shall be mandatory to close all open ends of the pipe as per Paragraph 1.10.2. The pipe shall be purged with enough dry air to displace twice the cubic content of the pipe lengths added during the day, after which the pipe ends shall be closed and the pressure increased to a positive pressure of between 4 and 6 psig.

**1.11 Pipe Installation – Steel Pipes**

In addition to Paragraphs 1.6.1 and 1.10, the following also applies to steel pipe installations.

- 1.11.1 Each bent section of steel pipe shall be given a radius acceptance test. A mandrel of the proper size as per Drawing No. EO-16325-B, latest revision, shall be pulled through the pipe to check for sharp bends. No pipe through which the mandrel will not pass freely shall be welded into the line.
- 1.11.2 When fitting of steel pipes in the field, which requires the joining of pipe lengths which are not provided with flared ends in accordance with Drawing No. EO-5199-B, latest revision, prefabricated flared ends in accordance with Drawing No. EO-5199-B, latest revision, shall be welded to the square cut and beveled pipe ends and the inner surface of the welds carefully ground smooth. Any internal coating burned due to welding shall be brushed and removed and the pipe surface left clean.
- 1.11.3 Where specified on the layout, connector pads, as shown in Drawing No. EO-4796-D, latest revision, shall be field welded to the pipe to permit the attachment of thermocouples, shunt leads or bonding tests leads.



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- 1.11.4 The closing of pipe ends in the trench shall be done by means of an approved fitting which will not damage the pipe ends and be capable of withstanding a minimum of 10 psig. In manholes, or other pick up points, the open ends shall be welded closed with a pressure test terminating pipe assembly as specified in Drawing No. EO-14661-D, latest revision.

**1.12 Pipe Installation – Stainless Steel Pipes**

In addition to Paragraphs 1.6.2 and 1.10, the following also applies to stainless steel pipe installations.

- 1.12.1 Stainless steel pipe shall be delivered externally uncoated and shall be field coated as per Specification No. G-8209, latest revision. Stainless steel pipes shall be installed as specified on the layout.
- 1.12.2 The minimum bending radius for nominal 6 inch O.D. stainless steel pipe shall be 8 feet. When more than one bend is required, the minimum bending radius of 8 feet shall occur only once in the line and all other bends shall have a minimum bending radius of 16 feet. The minimum bending radius for nominal 5" O.D. and nominal 4 inch O.D. stainless steel pipes shall be 6 feet. When it is required to make several bends, the minimum bending radius of 6 feet shall occur only once in the line and all other bends shall have a minimum bending radius of 12 feet. Adequate measures shall be taken to prevent the pipe from kinking, flattening or going out of round.
- 1.12.3 The stainless steel pipes shall be joined by means of stainless steel sleeves in accordance with Specification No. EO-8048, latest revision. After the welds have passed the test requirements, the weld areas shall be coated in accordance with Specification No. G-8209, latest revision.

**1.13 Pipe Installation – Copper Pipes**

In addition to Paragraphs 1.6.3 and 1.10, the following also applies to copper pipe installation.

- 1.13.1 Copper pipes shall be bent with bending machines or by such other means as to prevent the pipe from kinking, flattening or going out of round. The minimum bending radius for copper pipes shall be 6 feet. When it is required to make several bends, the minimum bending radius of 6 feet shall occur only once in the line and all other bends shall have a minimum bending radius of 12 feet, unless otherwise approved by the Engineer.
- 1.13.2 Sleeves for joining copper pipes shall be those supplied by the Company. The sleeves are the same material as that of the pipe. The clearance between O.D. of the pipe and I.D. of the sleeve shall be in accordance with Drawing No. EO-6947-D, latest revision. The brazing material shall have minimum silver content of 15 percent.

**1.14 Installation of Pipe in Casings or Abandoned Gas Mains**

- 1.14.1 Whenever the pipe is installed within a steel casing, it shall be kept electrically isolated from the casing by means of approved casing insulating skids as per Specification No. G-100, 280, latest revision. The skids shall be installed on the



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pipe at intervals not greater than ten feet and at one foot from each end of the casing. Both ends of the casing shall be sealed as per Specification No. G-8096, latest revision.

**1.15 Installation of Pipe within Tunnels**

- 1.15.1 Whenever a pipe is to be installed in a tunnel, on a bridge or on any other such structure, the pipe shall be kept electrically isolated from the structures. If the Engineer determines that ground connections are required at those locations, these connections shall be made through isolator/surge protectors.

**1.16 Cathodic Protection**

- 1.16.1 Unless otherwise specified, the cathodic protection for new pipe type feeders shall include D.C. electrical isolation by grounding through isolator/surge protectors with protective current supplied by impressed current rectifiers. Corrosion Engineering shall specify the location and design of impressed current rectifiers for each feeder installation.

**1.17 Test Stations**

- 1.17.1 Test stations, as specified by Corrosion Engineering shall generally be installed in the proximity of each manhole and at both ends of all casings as per Drawing No. 301709, latest revision.

**1.18 Installation of Dielectric Fluid Circulation Pipes**

- 1.17.2 Pipes for cable cooling systems using dielectric fluid circulation shall be installed where so specified on the layout and shall be positioned with respect to the high pressure cable pipe as shown in Drawing No. EO-12640-B, latest revision.
- 1.17.3 The 5 inch diameter dielectric fluid circulation pipes shall be furnished with flared ends and joined by welding with backing rings in accordance with Drawing No. EO-5199-B, latest revision. Where cut ends are to be joined, the internal coating shall be properly removed 2" from the pipe end, following all Company environmental requirements, and the interior surface dry-swabbed clean before welding on prefabricated flared ends in accordance with Drawing No. EO-5199-B, latest revision. Couplings can only be used with Engineering approval.

**1.19 Sleeves**

- 1.19.1 Sleeves for joining pipes of all materials are designed for a specified clearance to provide a minimum offset and give a maximum strength joint. To properly install sleeves, care should be taken to maintain the pipe and pipe sleeves as round as possible. In the event the sleeve and/or pipe is out of round it shall be re-rounded. Shaving or machining to increase the clearance shall not be permitted. Installation of the stainless steel or copper sleeves for pothead riser shall be as per Drawing No. EO-14276-C, latest revision. After the sleeves have been welded, the sleeves shall be radio-graphically inspected to determine the separation between the pipe ends and the roundness of the pipe ends. In no case shall the pipe end separation exceed 1/4 inch.



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**1.20 Welding**

- 1.20.1 Steel pipe welding shall be performed as prescribed in Specification No. G-1064, latest revision.
- 1.20.2 Stainless steel pipe welding shall be performed as prescribed in Specification No. EO-8048, latest revision.
- 1.20.3 Steel and stainless steel pipe welding shall be performed by welders who have been qualified by the Company for welding the type of steel as per Specification Nos. G-1065 and EO-8048, latest revisions, respectively.
- 1.20.4 Prior to welding of pipe lengths, the protective masking over the uncoated portion of the pipe ends shall be removed and any rust or foreign material left on the pipe which may leave undesirable ash from welding heat shall be carefully cleaned off.
- 1.20.5 Pipes 2 inches or smaller shall be joined using socket weld fittings. Pipes 3 inches and larger shall be joined using butt welds. Couplings can only be used with Engineering approval.
- 1.20.6 Under no circumstances shall a mitered joint of any angle be made in changing direction of any pipe.
- 1.20.7 All bend fittings used shall be of a large radius type.
- 1.20.8 Separate qualifications shall be made for welding of steel, welding of stainless steel and brazing of copper; that is, an individual performing all three functions shall have been qualified for each function separately as per Specification Nos. G-1065 and/or EO-8048, latest revisions, as applicable.
- 1.20.9 When welding gate or globe valves into any line, care must be taken not to damage any part of the valve. Valves shall be slightly closed or just making contact when welded into the line. When installing ball valves, the pipe flanges shall be tack welded in place, the valve body removed and then the weld completed.
- 1.20.10 All dead end valves provided for vacuum and/or filling ports shall be 2 inch gate valves or 2 inch ball valves as specified on the layout.
- 1.20.11 Whenever possible, the use of "tee" fittings, which would be buried, shall be avoided.

**1.21 Acceptance of Welds**

- 1.21.1 Acceptance of each weld shall be based upon an acceptance radiograph test. The radiograph test shall be performed as per Specification No. G-1070, latest revision, by an independent vendor, hired by the Company, who shall inform the Company's Field Representative about the acceptability of the weld.
- 1.21.2 Each welded pipeline section is to be pressure tested at 500 psig internal pressure. Test to be conducted at a later date. (See Paragraph 1.23 of this Specification).



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**1.22 Final Radius and Ovality Tests**

- 1.22.1 A final radius and ovality acceptance test shall be performed by pulling through the entire welded section a mandrel of the proper size as per Drawing Nos. EO-16325-B and EO-10569-D, latest revisions. If either mandrel does not pass through for any reason, the problem shall be rectified by the Contractor to the satisfaction of the Field Representative before proceeding.

**1.23 Acceptance Proof Test**

- 1.23.1 While the proof tests are in progress using dry air no personnel shall be inside a manhole.
- 1.23.2 All pipes above grade (i.e., risers and pipes associated with bridges and tunnels) shall be tested hydrostatically using water. If this test is being performed during the winter and there is the possibility of the water freezing, the Contractor shall use a mixture of water and isopropyl alcohol (at least 50% alcohol) or other mixture with prior Engineering approval. However, the use of any ethylene glycol mix or anti-freeze is prohibited. The Contractor is responsible for following all applicable regulations and safety precautions in the storage and handling of alcohol. Dry air shall not be used on above ground piping unless approved by Engineering and special safety precautions are put into effect while the proof test is in progress.
- 1.23.3 Acceptance of any completed pipeline by the Company shall be based on a (a) free passage of the ovality and radius mandrels through the pipeline, (b) acceptable coating resistance measurement, (c) cleanliness and dryness inside the pipes, (d) 500 psig proof (burst) test, (e) 250 psig pressure drop test, (f) successful completion of vacuum drying requirements and (g) the final acceptance proof test as per Paragraph 2.4
- 1.23.4 Before each pipe section is approved for use, it shall be given a 500 psig (burst) pressure test. This test shall be made using dry air as per Section 5.0 or a liquid as per Paragraph 1.23.2. After the pressure has reached 500 psig, this test pressure shall be maintained for not less than one-half hour. The test shall be performed by the Contractor and witnessed by the Field Representative or by Transmission Operations as follows:
- a. New Pipe on a new feeder:
    - (1) If tested with air as per Paragraph 1.1.1, the test shall be performed by either Company forces or the Contractor, as specified in the bid documents.
    - (2) If tested with a liquid as per Paragraph 1.23.2, the test shall be performed by the Contractor.
  - b. New Pipe on an existing feeder (cut-over, Tee taps, replacement, etc.):
    - (1) The Contractor shall perform the test on this piping whether the test is performed with air as per Paragraph 1.1.1 or with a liquid as per Paragraph 1.23.2.



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- 1.23.5 Whenever a liquid as per Paragraph 1.23.2 is used to test a piping section, the Contractor shall remove all the liquid remaining in the pipe section to the satisfaction of the Field Representative. The Contractor has the responsibility of properly disposing of the used liquid in accordance with all regulations.
- 1.23.6 Where welds cannot be checked for acceptance individually by radiograph tests (i.e., joint casings, by-pass piping, etc.) those welds shall be tested at the time of making the overall acceptance pressure tests on the completed section between manholes as described in Paragraph 2.4 of this Specification.
- 1.23.7 Upon completion of the 500 psig gas pressure test, the pressure within the pipe shall be reduced to 250 psig and held for a minimum of seventy-two (72) hours to check for the presence of leaks in the pipe system. During the seventy-two hour period, the pipe under test shall be connected through a manometer to a buried reference tank that is known to be tight so that the manometer will indicate whether a loss of pressure in the pipe under test is being experienced during the test period. Pressure readings shall be recorded every hour. This work shall be performed by either Company forces or the Contractor, as specified in the bid documents.
- 1.23.8 The reference tank shall be made as per Drawing No. EO-12215-C, latest revision, and shall have a cylindrical steel pressure vessel capable of withstanding the test pressures and having a volume of not less than 1.5 cubic feet. It shall be buried at the manhole locations indicated on construction drawings so as to have at least two feet of cover to minimize the effects of ambient temperature changes.
- 1.23.9 After one of the pipes entering any particular manhole has successfully withstood this comparison test and is found to be tight, this pipe may then be used as a reference tank for the testing of other pipes. This work shall be performed by either Company forces or the Contractor, as specified in the bid documents.
- 1.23.10 Any loss of pressure indicating the presence of leaks shall be fully investigated and the leaks located and repaired. All leaks shall be reported to and inspected by the Field Representative.
- 1.23.11 The method of repairing leaks shall be subject to the approval of the Field Representative. After the repairs have been made the 500 psig pressure (burst) test and the 250 psig dry air leakage drop test shall be repeated.

**NOTE**

The following work shall be performed by company forces or as indicated otherwise.

**2.1 WORK TO BE PERFORMED BY OTHERS**

**2.2 Installation of Reducers**

- 2.2.1 After these pressure tests have been completed and the pipe is known to be free of leaks, the boiler end caps over the pipe ends in the manhole shall be cut off and the joint reducers welded to the pipe. The point at which the pipe is to be cut



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shall be determined by the reference to manufacturer's drawings for the joints to be made in the manholes. Any ash from the burning of the internal pipe coating due to welding shall be removed and the pipe left clean.

- 2.2.2 The reducer welds shall be tested at 50 psig, dry air, to insure that no leaks exist on the welds. Refer to section 2.2.4

**2.3 Cleaning and Mandrelling**

- 2.3.1 Each section of pipeline, dielectric fluid circulating line and dielectric fluid supply line shall be individually pigged and swabbed. A projectile shall be blown through the pipe, using dry air as the pressure source, for the purpose of removing burrs (pigging) and also for cleaning (swabbing) of each pipe. If the fittings installed on a pipe section will not allow a pig to pass through, the Engineer shall be contacted for the procedure to be used to properly clean the pipe section.
- 2.3.2 In the terminal sections of pipe, stainless steel or copper, a continuous 3/16 inch polyethylene rope shall be left in each pipe attached to the sealing plates at both ends, after the pipe has been swabbed clean and dry.
- 2.3.3 A mandrel of the proper size for the pipe size involved, per Drawing No. EO-10569-D, latest revision, shall be pulled or blown through the pipe to check for excessive ovality or other obstructions within the pipe. A steel line capable of pulling in the winch rope shall be left in the cable pipe after the mandrelling operation is completed. Steel line having a hemp center shall not be used. A rope shall be used to pull cable in the termination pipes for safety.
- 2.3.4 After the steel line for pulling the winch line in has been installed within the cable pipe, the pipe ends shall be sealed by gasketed blank-off plates bolted to the joint reducers. The pipe section shall be pressurized to 50 psig and the reducer welds soap tested to insure that no leaks exist (refer to section 2.1.2). The pipes shall be left with a positive pressure of dry air sufficient to insure against the entrance of moisture in the event that the pipe is submerged. Such pressure shall in no case be less than 5 psig.

**2.4 Vacuum Dryness Test**

- 2.4.1 Vacuum drying shall be done after the installation of joint reducers and pilot lines in the pipes.
- 2.4.2 All pipes, including pressure, dielectric fluid circulation and gas pipelines shall be vacuum dried before filling with dielectric fluid or gas. In the event that the new section of pipe shall be attached to an existing section of pipe, the new section shall also be vacuum dried before it is connected to the existing section.
- 2.4.3 After the pipe ends have been closed and prior to cable pulling, a vacuum test shall be made on the pipe section to insure its dryness. Vacuum shall be maintained continuously until the pressure within the pipe is down to 150 microns of mercury. Evacuation shall then continue for a period of four hours. At the end of this period, the vacuum pump shall be valved off and the pressure rise in the pipe over a one-half hour period observed. The pipe shall be considered acceptable if the pressure rise during this one-half hour period is less than 100 microns. Pressure readings taken during evacuation and the pressure rise test,



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shall be taken at points remote from the vacuum pump. If the pressure rise during the one half hour pressure rise test is in excess of 100 microns, vacuum shall be reapplied continuously again until the pressure is down to 150 microns, a subsequent one half hour pressure rise test made and this procedure continued until the requirements are met.

- 2.4.4 After the pipe has successfully passed the vacuum dryness test, the vacuum shall be broken with tested dry air as per Paragraph 1.1.1. A positive pressure of not less than 10 psig shall then be built up and maintained in the pipe to prevent the entrance of moisture in the case of submersion.

**2.5 Final Acceptance Proof Test**

- 2.5.1 Upon completion of the splicing, evacuation and filling of a feeder with dielectric fluid as per Specification No. EO-1109, latest revision, the completed pipe system, including the dielectric fluid circulation pipes, shall be proof tested with dielectric fluid for not less than one half hour as follows:

- |    |                          |                |
|----|--------------------------|----------------|
| a. | 345 kV System            | 950 psig (Max) |
| b. | 138 kV and 69 kV Systems | 550 psig (Max) |

**NOTE**

Maximum proof test pressure will change if system pressure is increased.

- 2.5.2 The dielectric fluid circulation pipes shall be subjected to proof tests at a higher pressure as required by the Engineer.
- 2.5.3 All safety pressure valves and/or discs, gauges, pressure switches and other components that may be damaged due to the high pressure are to be valved off before the test is commenced.
- 2.5.4 After the pressure has been maintained at the 950 psig or 500 psig level as per Paragraph 2.4.1 for one-half hour it shall be reduced to 250 psig and held for a minimum of twenty four (24) hours. During the twenty-four hour test, the pumps and dielectric fluid pressure must constantly be monitored.

**2.6 Spare Pipes**

- 2.6.1 In the event that a pipe is installed which will not be used for a period of time such as in the case of spares submarine pipes, all the requirements of this specification shall be followed. A ¾ inch pipe connection shall be made to the pipe, terminating in a plugged valve in a suitable place where the pressure may be checked periodically. Consecutive sections of pipes route through the same manhole systems shall be connected in series with 5/8 inch copper tubing. All such pipes are to be left with a positive pressure of 25 psig of dry air and shall have proper identification as indicated in Paragraph 1.10.3. To insure that a positive pressure of 25 psig is maintained, such spare pipes shall be checked periodically as per EO-6045.



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**2.7 Pipe Verification**

2.7.1 The following pipe verification shall be performed on new pipes installed prior to the 500 psig burst test. Existing installed pipes, which have not been identified by this verification process, shall be identified prior to installation of new cable and splicing in advance of outage related work. The objective of this test procedure is to confirm and ensure the following:

- a. New Pipes installed are connected to the correct feeder pipe at the cutover location and terminate at the location as specified on construction drawings.
- b. New pipes installed do not cross underground, resulting in pipes terminating in wrong location.
- c. Provide positive confirmation through testing that feeder terminating at the substation pothead is the same feeder identified at the cutover location.
- d. Existing installed pipes are identified and tagged prior to installation of cable and splicing activities.

2.7.2 All data, test information and results shall immediately be submitted to the Field Representative or Transmission Operations and the Engineer for evaluation. A prompt identification of pipes shall ensure that corrective actions can immediately be implemented to correct any problem during installation of new pipes.

2.7.3 Identification of Feeder at Pickup Location

- a. The following methods to identify the transmission pipe designation at the cut over location are acceptable for establishing positive feeder identification. Identification of transmission feeder described in this section shall be performed by Company personnel only. The pipe verification process is not to be used for working on the feeder. To perform work on the feeder, it must be identified using standard ungrounded tracing current.
  - (1) Permanent Feeder Identification Point – Permanent identification tags exist on the pipes. Permanent tagging of pipe type feeders shall be in accordance with Specification No. EO-6064, latest revision.
  - (2) Feeder Pressure Variation Method – Pressure gauges shall be placed on both pipes on the upper splice casing valves in the designated cutover manhole. Transmission and Substation Operations personnel shall coordinate the pressure change activity on the proposed feeder. The pumping plant operator shall vary the feeder pressure at the pressurizing plant while the mechanic at the cutover location monitors gauge pressure. The pumping plant operator shall raise the feeder pressure by a maximum of 20 psig, and once positive indication is observed at the cutover location, the mechanic shall request from the pumping plant operator the corresponding feeder designation.



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Transmission Operations personnel shall tag the feeder pipe accordingly. The Substation Operator shall ensure that he/she is properly identifying the feeder in the pressurizing plant.

(3) **Electrical Test Procedure Method**

- **Major Pipe Section Relocation** – When extended lengths of pipe are required to be installed due to a major facility relocation, then test pits are to be excavated at both ends at the proposed tie-in locations. Both pipes are to be exposed and one of the two feeder pipes shall be identified by the use of ungrounded tracing current and tagged accordingly by Company personnel. Once positive identification is achieved, the feeder shall be returned to service.
- **Installation of New Manhole** – When the new manhole structure will be installed over existing feeders to allow installation of "Wye" joint(s), then a test pit will be excavated at the proposed location exposing the pipes. One of the two feeder pipes shall be identified by use of ungrounded tracing current and tagged accordingly by Company personnel. Once positive identification is achieved, the feeder shall be returned to service.

**2.7.4 Installation of New Pipes or Verification of Existing Pipes to Substation**

**NOTE**

Either Company forces or the Contractor, as specified in the bid documents, shall perform this work.

- a. Verification of pipes shall be performed on all completed pipe sections and connecting manholes using dry air and pressure gauges. Testing shall begin at the cutover location and proceed towards the station potheads. The existing transmission feeder pipe identified in accordance with Paragraph 2.6.3 and the new and/or existing pipe to be connected, will both be designated as the reference pipe. (New pipes are typically installed just outside the manhole wall or placed on top of the existing pipes until the final cutover of the feeder is performed.)
- b. The reference pipe shall be filled with dry air. Steps detailing the verification process are as follows:
  - (1) Establish reference pipe in accordance with Paragraph 2.6.3.
  - (2) Install pressure gauges on both pipes in the next connecting manhole.
  - (3) Raise pressure of reference pipe to 10 psig and observe gage pressure at connecting manhole. The pipe that registers a pressure change shall now be designated the reference pipe and



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tagged accordingly. Remove gauges and connect 5/8" copper tubing in series to the opposite pipe across the manhole.

**NOTE**

If 5/8" copper tubing is not used, then tag the in-line series pipe across manhole and fill with dry air once gauges are installed on pipes in next connecting manhole.

- (4) Install pressure gauges on both pipes in the next connecting manhole.
- (5) Repeat pipe verification as required until station potheads are reached or other positive identification point is reached.
- (6) Verify that installed piping terminates at the designated location in accordance with the construction drawings issued.

**2.7.5 Pipe Replacement between Manhole Sections**

**NOTE**

Either Company forces or the Contractor, as specified in the bid documents, shall perform this work.

- a. Establish reference pipe designation in accordance with Paragraph 35.1 and tag accordingly.
- b. Install pressure gauges on both ends of new pipes at the furthest point away from the established reference pipe.
- c. Raise pressure of the reference pipe to 10 psig and observe gauge pressure at opposite end.
- d. Tag the associated pipe that registers positive gauge pressure.
- e. Verify that installed piping terminates at the designated location in accordance with the construction drawings issued.

**3.1 REQUIRED SUBMITTALS**

- 3.2 Environmental, Health, and Safety Plans (eHASP).
- 3.3 Environmental Construction Plan (ECP)
- 3.4 Shop drawings, product data, & samples.
- 3.5 Quality Assurance/Control submittals.
- 3.6 "As Constructed" drawings, O&M manuals, training documentation.



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3.7 Copies of all necessary permits, licenses, etc.

3.8 Detailed construction and removal schedule.

**4.1 DELIVERY, STORAGE, AND HANDLING**

4.2 The Contractor shall furnish all necessary labor, equipment and material required to unload the equipment and materials at the construction site. Each shipping crate or drum must be inspected for damage before being removed from the transporting vehicles. If there is visible evidence of damage to the crate or equipment, this must be reported immediately to the Company representative on site to facilitate any damage claims against the carrier or manufacturer.

4.3 The Contractor shall uncrate the equipment or waste materials carefully, taking all necessary precautions to prevent damage to the existing equipment.

4.4 The Contractor shall inspect the shipping manifest and verify that all equipment and/or materials specified herein are on the shipping manifest. The Contractor shall immediately notify the Company representative on site if there is shortage or excess of equipment and/or materials.

4.5 The Contractor shall remove and dispose of all shipping crates and packing materials from the construction site immediately after the equipment is unloaded.

4.6 The Contractor shall remove, store and transport off site, all associated materials and waste items referred to in the attached drawings and specifications.

4.7 The Contractor, on a daily basis, shall dispose of all packing materials, crating, general debris and other waste items from the site, in order to maintain proper safety, environmental and sanitary conditions on the site.

4.8 The Contractor shall be responsible for the security and loss of his material and equipment.

4.9 The Contractor shall maintain the work area in a neat and orderly condition at all times. Site clean-up shall be performed on a daily basis and as directed by the field representative, and shall include removal of all material no longer needed for construction purposes as well as papers, cups, cans, and other non-construction debris. The Contractor shall be responsible to furnish and maintain trash receptacles suitable for the type and quantity of material to be removed. Type and quantity shall be subject to the approval of the field representative. At the completion of the job the site should be left in a clean and finished condition.

4.10 The Contractor shall dispose of all construction debris, equipment, etc. in accordance with all federal, state and local environmental laws and regulations.

**5.1 FABRICATION**

5.2 Items must be manufactured, fabricated, or assembled prior to delivery to the site. If necessary, the Contractor shall pre-assemble all working parts prior to disassembly to shipment to the job site.



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**6.1 MATERIALS AND MIXES**

- 6.2 Specifications for materials to be provided.
- 6.3 The Contractor shall furnish any equipment and materials necessary for installing the High pressure pipe.
- 6.4 The Company shall approve all chemicals in advance, be part of the eHASP and the MSDS sheets must be on site.

**7.1 PREPARATION AND MAINTENANCE**

- 7.2 The Contractor shall do all possible preparatory work in advance of equipment shutdown, and he shall provide adequate manpower to do the outage work in the time allotted. The Company reserves the right to perform any items of work which because of operating conditions, should, in the Company's opinion, be performed by Company forces.
- 7.3 The Contractor shall confine his equipment, storage of materials and the operations of his employees to the limits indicated by law, ordinances, permits or reasonable direction of the Company or its duly authorized representatives, and shall not unreasonably encumber the premises with his materials or equipment.
- 7.4 All arrangements for the use of the highways, public property and private property for the storage of materials or equipment shall be made by the Contractor, and he shall obtain and pay for any permits that may be required for the storage of materials and equipment.
- 7.5 The detailed part of this specification will inform the Contractor of the environmental conditions and hazards to be found on the job site. The Contractor is responsible for implementing an effective Environment, Health and Safety (EH&S) program for performance of the Work.
- 7.6 Changes to project activities/materials or unanticipated site conditions may require a re-assessment and/or modification of project EH&S requirements. Additional EH&S measures may be required (sampling, testing, monitoring, personal protective equipment, permits/licenses/approvals). If issues or concerns arise which were not anticipated, the Contractor shall stop work activity, take appropriate precautions and contact the Site Representative immediately.
- 7.7 The Site Representative is responsible for overseeing the environment, health and safety of Company employees and Contractor personnel. The Contractor is required to comply with all federal, state and local requirements, as well as any Company policy or procedure directed by the Site Representative, applicable to the performance of the Work.
- 7.8 The Site Representative will monitor the Contractor's EH&S compliance and to ensure immediate correction of any EH&S hazard or procedural non-compliance. The Site Representative has the authority and responsibility to stop an activity or job, if in his professional assessment, the Contractor shows a disregard, lack of knowledge or expertise for any EH&S requirement. There shall be no increase in cost to the Company or schedule relaxation allowed as a result of work stoppage due to the Contractor's disregard, lack of knowledge or expertise for EH&S requirements.



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7.9 Prior to bringing any materials on the job site or Company property, the Contractor shall submit Material Safety Data Sheets (MSDS) to the Site Representative for approval. The MSDS's will be submitted as part of the required Health and Safety Plan (HASP). The Contractor must keep copies of all MSDS's on the job site during the Work

7.10 The Contractor shall obtain any permit, license or approval necessary to perform the Work in accordance with all federal, New York State and local regulations, codes and laws.

**8.1 CONSTRUCTION**

8.2 None.

**9.1 FIELD QUALITY CONTROL**

9.2 All parts of the Work shall throughout the time of the performance of the Contract, be subject to inspection by the Company. The Company shall be final judge of the quality and acceptability of the Work, the materials and equipment used herein, and the process of the manufacture and methods of constructions employed in connection with the Work. The Company shall have the right to witness any tests the Contractor or third party conducts.

9.3 If at any time prior to the completion of all of the Work, the Company finds as a result of any inspections any part of the Work, is not suitable or of good quality, or fails to conform to the specifications or drawings, the Company has the options to require the Contractor, at his expense and within reasonable time, to reconstruct, replace or correct the applicable Work.

9.4 Upon completion of the work, the Contractor shall clean the entire work area of all unused material and equipment. The Contractor shall remove all of his equipment and construction materials and vacate storage areas which may have been temporarily assigned for his use by the Company. The Contractor will not leave any hazardous wastes, solid wastes, chemicals, lead, asbestos or other environmental hazards on the site.

9.5 This work will take place in an active, operational, high voltage substation. The Contractor shall not interfere with the normal and/or emergency substation operation. Workers shall limit their access to active work areas only.

9.6 The Contractor shall use the Trades having jurisdiction to perform the work covered by this specification and he shall comply with all rules and regulations of Trades covering the type of work as accepted by a recognized group of trade employers. The employees shall be skilled in their particular lines and shall not conflict in any way with those of other Trades employed under other Company contracts at any location.

**10.1 REPAIR AND RESTORATION**

10.2 The Contractor shall install equipment and materials as shown on the drawings, except where obvious, unforeseen interferences occur.

10.3 When field changes are required, every effort shall be made to coordinate the change with other conduit work, structural work, lighting installations, etc., being done at the



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same site. The Contractor shall keep a complete record of all such changes being made by his forces on the Contractor's copies of the affected drawings.

- 10.4** In event of any damage, the Contractor shall promptly make replacements and repairs to the approval of the Company's Project Engineer and at no additional cost. Additional time required to secure replacements and to make repairs will not be considered by the Company to justify any extension in the Contract Time of Completion.



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**SECTION III – CONSTRUCTION PACKAGE DOCUMENTS AND SUPPLEMENTAL SPECIFICATIONS****PART 0 – (Contract Drawings, Tables, & Lists)**

- 1.0 The list of contract drawings included with the construction package
- 2.0 The list of supplemental specifications and applicable revision. If the specification is not provided as a Part in this section, provide instructions where the specifications are to be found (e.g. Con Edison, Manual of Construction) and how to obtain copies.
- 3.0 Reference Drawings
  - 3.1 301709 Cathodic Corrosion Protection for Electrical Feeder Pipe Test Station Installation.
  - 3.2 EO-4796-D Connector Plate Assembly for Attaching Bonds, Thermocouple and Shunt Wires to Steel Electric Cable Pipes.
  - 3.3 EO-5199-B Pipe with Flared Ends for Chill Ring Welds on Electric Cable Pipes.
  - 3.4 EO-6947-D Welding Sleeve for Pipe Connection in Pipe Type Cable System.
  - 3.5 EO-7370-B Night Cap for 5-9/16", 6-5/8" and 10-3/4" OD Pipe and 7" Tubing.
  - 3.6 EO-8935-D Heat Deflecting Slab for Installation between Steam Mains and Electric Cables.
  - 3.7 EO-9230-C Sleeve Details and Method of Sealing H.P. Cable Pipe through Manhole wall.
  - 3.8 EO-10569-D Mandrels for H.P. Cable Pipes.
  - 3.9 EO-12215-C Reference Tank for Leakage Testing of H.P. Pipelines.
  - 3.10 EO-12640-B B.H.P. Cable and Dielectric Fluid Circulating Pipe Trenching and Backfill.
  - 3.11 EO-14267-C Typical Sleeve Installation of High Pressure Cable Pipe Type.
  - 3.12 EO-14661-D Typical Pressure Test Assemblies and Installation for 5" to 12" Pipes.
  - 3.13 EO-15362-B Pier Installation and Details for 138/345 kV High Pressure Pipes Crossing Facilities.
  - 3.14 EO-16325-B Radius Acceptance Mandrel for 5-9/16", 8-5/8" and 10-3/4" O.D.H.P. Pipe.

**PART 1 thru XX – (Supplemental Specifications)**

- 4.1 Reference Specifications
- 4.2 G-1064 Shielded Metal Arc Welding Procedure for Welding Steel Pipe and Fittings.



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- 4.3 G-1065 Qualification of Welders and Welding Procedures.
- 4.4 G-1070 Radiographic Inspection of Pipeline Welds.
- 4.5 EO-1109 High Pressure Pipe Type Cable Systems Cable Installation and Pressurization of Lines.
- 4.6 EO-1173 Specification for Controlled Backfill Material for H.P. Cable Pipe Installation.
- 4.7 EO-1181 General Specification for Backfilling or Trench and Small Openings.
- 4.8 EO-8069 Pipe Skids and Liners.
- 4.9 EO-8048 Specification for Welding Austenitic Stainless Steel Pipe.
- 4.10 EO-8085 General Backfill and Bedding Material for Excavations.
- 4.11 G-8096 Sealing of the Annular Space between Gas Pipe and Casing or Sleeves.
- 4.12 EO-8097 Stainless Steel Pipe for Single Phase Terminal Circuits for Pipe Type Cables.
- 4.13 G-8209 Field Coating of Steel Pipe and Fittings Installed Underground and in Subsurface Structures.
- 4.14 EO-8193 Purchase Specification for Internal Coating of Steel Electric Feeder Pipe.
- 4.15 G-8196 Purchase Specification for Extruded Polyolefin Coating on Steel Electric Feeder Pipe.
- 4.16 EO-9000 Specification for Purchase of Steel Pipes for Electric Facilities. Fuel Oil Facilities and Casings.
- 4.17 G-100, 280 Pipeline Casing Insulating Skids.
- 4.18 EI-4147 General Specification for Dry Compressed Breathable Air.
- 4.19 EO-6064 Tagging of Pipe Type Feeders Operating at 345 kV, 138 kV, and 69 kV to Establish Permanent Feeder Identification Points.



<b>Gas Approved Contractors</b>
<b>RCI Contracting</b>
<b>Dannella Contracting</b>
<b>Mannetta Contracting</b>
<b>Safeway Contracting</b>
<b>Mecc Contracting</b>

**Roadway Contracting Inc.**  
570 Gardner Ave.  
Brooklyn, NY, 11222  
John Roman # 718-963-3500

**Danella Construction**  
80 Business Park Dr. Suite 200  
Armonk, NY, 10504  
John Mazzari # 914-403-2179

**Manetta Industries**  
44-17 54th Dr.  
Maspeth, NY, 11378  
Rick Manetta # 718-937-5656

**Safeway Construction Enterprises**  
105 West St. St.  
Brooklyn, NY, 11222  
Guido Dire # 718-349-6645

**MECC Contracting**  
21 Autumn Ave.  
Brooklyn, NY, 11208  
Luigi Moccia # 718-235-0800



PRIVATE UTILITY  
SCOPE OF WORK



**JOINT BID WORKSHEET**  
**ENGINEER'S ESTIMATE OF QUANTITY AND TYPES OF INTERFERENCE**  
**FOR CONSOLIDATED EDISON COMPANY OF NEW YORK**  
**BEDA-001**  
**ACCELERATED DISTRIBUTION WATER MAIN REPLACEMENT AND SEWER**  
**REHABILITATION**  
**BOROUGH OF BROOKLYN**

JOINT BID ITEM NUMBER	DESCRIPTION	UNITS	ESTIMATED QUANTITY
JB 100.1	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TESTPIT (TYPE .1)	EA	20
JB 100.2	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TESTPIT (TYPE .2)	EA	20
JB 100.3	UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TESTPIT (TYPE .3)	EA	10
JB 101.1	UTILITIES CROSSING TRENCH FOR SEWERS UP TO AND INCL. 24" DIAMETER (TYPE .1)	EA	15
JB 101.2	UTILITIES CROSSING TRENCH FOR SEWERS UP TO AND INCL. 24" DIAMETER (TYPE .2)	EA	16
JB 101.3	UTILITIES CROSSING TRENCH FOR SEWERS UP TO AND INCL. 24" DIAMETER (TYPE .3)	EA	4
JB 102.1	UTILITIES CROSSING TRENCH FOR SEWERS OVER 24" TO 36" DIAMETER (TYPE .1)	EA	15
JB 102.2	UTILITIES CROSSING TRENCH FOR SEWERS OVER 24" TO 36" DIAMETER (TYPE .2)	EA	15
JB 108.1	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .1)	EA	150
JB 108.2	UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .2)	EA	40
JB 109.1	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" (TYPE .1)	EA	70
JB 109.2	UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" (TYPE .2)	EA	70
JB 200	EXTRA DEPTH EXCAVATION OF CATCH BASIN CHUTE CONNECTION PIPES	LF	300
JB 225	INSTALLATION AND REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES	EA	30
JB 226	INSTALLATION OF CATCH BASINS WITH UTILITY INTERFERENCES	EA	4
JB 227	REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES	EA	4
JB 300	SPECIAL CARE EXCAVATION AND BACKFILLING	CY	51

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JOINT BID ITEM NUMBER	DESCRIPTION	UNITS	ESTIMATED QUANTITY
JB 301	SPECIAL CARE HAND EXCAVATION OIL-O-STATIC ENCROACHMENT	CY	15
JB 303	FURNISH, DELIVER AND INSTALL 3/8" CLEAN SAND BACKFILL	CY	44
JB 330E.1	SUPPORT & PROTECT ELEC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE W/IN TRENCH LIMITS (TYPE .1)	LF	150
JB 330E.2	SUPPORT & PROTECT ELEC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE W/IN TRENCH LIMITS (TYPE .2)	LF	100
JB 330E.3	SUPPORT & PROTECT ELEC, GAS & STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE W/IN TRENCH LIMITS (TYPE .3)	LF	50
JB 351	INSTALL AND REMOVE "A" FRAME ON UTILITY POLES	EA	60
JB 352	SPECIAL CARE OPERATIONS FOR TREE REMOVAL	EA	2
JB 353	SPECIAL CARE OPERATIONS FOR TREE PRUNING	EA	2
JB 360	ACCOMODATION OF OH FACILITIES, POLES & APPURTENANCES	EA	120
JB 400	TEST PITS FOR UTILITY FACILITIES	CY	100
JB 401	TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITIES	CY	143
JB 402.1	EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION W/O CONCRETE ENCASEMENT	LF	320
JB 402.2	EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION W/O CONCRETE ENCASEMENT	LF	320
JB 403	PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES	SF	200
JB 405.1	EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS LESS THAN 5 FEET	CY	124
JB 406	EXCAVATION FOR UTILITY STRUCTURE	CY	59

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JOINT BID ITEM NUMBER	DESCRIPTION	UNITS	ESTIMATED QUANTITY
JB 450.2	CONSTRUCTION FIELD SUPPORT REQUIRING AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)	CRHRS	80
JB 450.3	CONSTRUCTION FIELD SUPPORT REQUIRING AVERAGE MEDIUM SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)	CRHRS	80
JB 500	REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)	LF	150
JB 501	REMOVAL OF ABANDONED MASONRY FOR ELEC. AND TEL. FACILITIES	CY	67
JB 603E.1	INSTALL UTILITY CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT	LF	500
JB 636 EE	ADJUSTMENT OF UTILITY HARDWARE (34" TO UNDER 41" WIDTH)	EA	2
JB 636 EG	ADJUSTMENT OF UTILITY HARDWARE (41" TO UNDER 75" WIDTH)	EA	2
JB 636 R	REPAIR TO UTILITY STRUCTURES	CY	8
JB 638 N	INSTALLATION OF FIELD CONSTRUCTED UTILITY STRUCTURE	CY	32
JB 638 R	BREAK OUT AND REMOVE UTILITY STRUCTURE	CY	32
JB 700	SPECIAL MODIFICATION OF WORK METHODS TO ACCOMMODATE/PROTECT UNDERGROUND FACILITIES WITH LIMITED COVER	CY	37
JB 710.1	REMOVAL OF ABANDONED UTILITY STEEL/CAST IRON/PLASTIC, UP TO AND INCL. 12" DIAMETER PIPES	LF	150
JB 711	USE SHEETING LINE AS FORM	LF	70
JB 803.2	LINE CUT BY PNEUMATIC TOOLS IN LIEU OF SAW CUT ASSOCIATED WITH ROADWAY REMOVAL OPERATIONS (LINE CUT ANY COMBINATION OF	LF	60
JB 850	INSTALLATION OF RUBBER SHEETS FOR UTILITY FACILITIES	SF	270
JB 900	EXTRA UTILITY WORK COSTS ALLOWANCE (THREE HUNDRED & FORTY SIX THOUSAND DOLLARS AND ZERO CENTS. \$346,000.00)	\$S	1

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**JB 100.1      UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TESTPIT (TYPE .1)      EA**

*At the following locations:*

Various Mid-block and  
Various Intersections

**AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE**

**Total Quantity for JB 100.1      =    20**

**JB 100.2      UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TESTPIT (TYPE .2)      EA**

*At the following locations:*

Various Mid-block and  
Various Intersections

**AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE**

**Total Quantity for JB 100.2      =    20**

**JB 100.3      UTILITIES CROSSING TRENCH FOR CATCH BASIN CHUTE CONNECT. AND/OR TESTPIT (TYPE .3)      EA**

*At the following locations:*

Various Mid-block and  
Various Intersections

**AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE**

**Total Quantity for JB 100.3      =    10**

**JB 101.1      UTILITIES CROSSING TRENCH FOR SEWERS UP TO AND INCL. 24" DIAMETER (TYPE .1)      EA**

*At the following locations:*

Various Mid-block and  
Various Intersections

**AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE**

**Total Quantity for JB 101.1      =    15**

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<b>JB 101.2</b>	<b>UTILITIES CROSSING TRENCH FOR SEWERS UP TO AND INCL. 24" DIAMETER (TYPE 2)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 101.2 = 15	
<b>JB 101.3</b>	<b>UTILITIES CROSSING TRENCH FOR SEWERS UP TO AND INCL. 24" DIAMETER (TYPE 3)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 101.3 = 4	
<b>JB 102.1</b>	<b>UTILITIES CROSSING TRENCH FOR SEWERS OVER 24" TO 36" DIAMETER (TYPE 1)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 102.1 = 15	
<b>JB 102.2</b>	<b>UTILITIES CROSSING TRENCH FOR SEWERS OVER 24" TO 36" DIAMETER (TYPE 2)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 102.2 = 15	

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<b>JB 108.1</b>	<b>UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .1)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 108.1 = 150	
<b>JB 108.2</b>	<b>UTILITIES CROSSING TRENCH FOR WATERMAIN UP TO AND INCL. 12" DIAMETER (TYPE .2)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 108.2 = 40	
<b>JB 109.1</b>	<b>UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" (TYPE .1)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 109.1 = 70	
<b>JB 109.2</b>	<b>UTILITIES CROSSING TRENCH FOR WATERMAIN OVER 12" AND UP TO 24" (TYPE .2)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 109.2 = 70	

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**CON EDISON JOINT BIDDING SCOPE OF WORK  
SUPPORT AND PROTECTION  
BEDA-001  
ACCELERATED DISTRIBUTION WATER MAIN REPLACEMENT AND SEWER  
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<b>JB 200</b>	<b>EXTRA DEPTH EXCAVATION OF CATCH BASIN CHUTE CONNECTION PIPES</b> <i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 200           = 300</b>	<b>LF</b>
<b>JB 225</b>	<b>INSTALLATION AND REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES</b> <i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 225           = 30</b>	<b>EA</b>
<b>JB 226</b>	<b>INSTALLATION OF CATCH BASINS WITH UTILITY INTERFERENCES</b> <i>At the following locations:</i> Various Mid-block and Various Intersections <b>Total Quantity for JB 226           = 4</b>	<b>EA</b>
<b>JB 227</b>	<b>REMOVAL OF CATCH BASINS WITH UTILITY INTERFERENCES</b> <i>At the following locations:</i> Various Mid-block and Various Intersections <b>Total Quantity for JB 227           = 4</b>	<b>EA</b>
<b>JB 300</b>	<b>SPECIAL CARE EXCAVATION AND BACKFILING</b> <i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 300           = 51</b>	<b>CY</b>

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<b>JB 301</b>	<b>SPECIAL CARE HAND EXCAVATION OIL-O-STATIC ENCROACHMENT</b>	<b>CY</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 301 = 15	
<b>JB 303</b>	<b>FURNISH, DELIVER AND INSTALL 3/8" CLEAN SAND BACKFILL</b>	<b>CY</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 303 = 44	
<b>JB 330E.1</b>	<b>SUPPORT &amp; PROTECT ELEC, GAS &amp; STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE W/IN TRENCH LIMITS (TYPE 1)</b>	<b>LF</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 330E.1 = 150	
<b>JB 330E.2</b>	<b>SUPPORT &amp; PROTECT ELEC, GAS &amp; STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE W/IN TRENCH LIMITS (TYPE 2)</b>	<b>LF</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 330E.2 = 100	

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<b>JB 330E.3</b>	<b>SUPPORT &amp; PROTECT ELEC, GAS &amp; STEAM FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE W/IN TRENCH LIMITS (TYPE 3)</b>	<b>LF</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 330E.3 = 50	
<b>JB 351</b>	<b>INSTALL AND REMOVE "A" FRAME ON UTILITY POLES</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 351 = 60	
<b>JB 352</b>	<b>SPECIAL CARE OPERATIONS FOR TREE REMOVAL</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 352 = 2	
<b>JB 353</b>	<b>SPECIAL CARE OPERATIONS FOR TREE PRUNING</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 353 = 2	
<b>JB 360</b>	<b>ACCOMMODATION OF OH FACILITIES, POLES &amp; APPURTENANCES</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections Total Quantity for JB 360 = 120	

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<b>JB 400</b>	<b>TEST PITS FOR UTILITY FACILITIES</b>	<b>CY</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 400 = 100</b>	
<b>JB 401</b>	<b>TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITIES</b>	<b>CY</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 401 = 142</b>	
<b>JB 402.1</b>	<b>EXISTING OCCUPIED CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION W/O CONCRETE ENCASEMENT</b>	<b>LF</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 402.1 = 320</b>	
<b>JB 402.2</b>	<b>EXISTING OCCUPIED NON-CONCRETE ENCASED CONDUITS PLACED IN FINAL POSITION W/O CONCRETE ENCASEMENT</b>	<b>LF</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 402.2 = 320</b>	

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<b>JB 403</b>	<b>PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES</b>	<b>SF</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections <b>AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE</b> <b>Total Quantity for JB 403       = 200</b>	
<b>JB 405.1</b>	<b>EXCAVATION FOR INSTALLATION OF UTILITY FACILITIES WITH TOTAL DEPTHS LESS THAN 5 FEET</b>	<b>CY</b>
	<i>At the following locations:</i> Various Locations <b>Total Quantity for JB 405.1       = 124</b>	
<b>JB 406</b>	<b>EXCAVATION FOR UTILITY STRUCTURE</b>	<b>CY</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections <b>Total Quantity for JB 406       = 59</b>	
<b>JB 450.2</b>	<b>CONSTRUCTION FIELD SUPPORT REQUIRING AVERAGE SMALL SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 2)</b>	<b>CRHRS</b>
	<i>At the following locations:</i> Various Locations <b>AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE</b> <b>Total Quantity for JB 450.2       = 80</b>	

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<b>JB 450.3</b>	<b>CONSTRUCTION FIELD SUPPORT REQUIRING AVERAGE MEDIUM SIZE CREW CAPABLE OF PERFORMING VARIOUS TASKS (TYPE 3)</b>	<b>CRHRS</b>
	<i>At the following locations:</i> Various Locations AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 450.3 = 80	
<b>JB 500</b>	<b>REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)</b>	<b>LF</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 500 = 150	
<b>JB 501</b>	<b>REMOVAL OF ABANDONED MASONRY FOR ELEC. AND TEL. FACILITIES</b>	<b>CY</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 501 = 67	
<b>JB 603E.1</b>	<b>INSTALL UTILITY CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT</b>	<b>LF</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections Total Quantity for JB 603E.1 = 500	
<b>JB 636 EE</b>	<b>ADJUSTMENT OF UTILITY HARDWARE (34" TO UNDER 41" WIDTH)</b>	<b>EA</b>
	<i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 636 EE = 2	

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<b>JB 636 EG</b>	<b>ADJUSTMENT OF UTILITY HARDWARE (41" TO UNDER 75" WIDTH)</b> <i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 636 EG = 2</b>	<b>EA</b>
<b>JB 636 R</b>	<b>REPAIR TO UTILITY STRUCTURES</b> <i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 636 R = 4</b>	<b>CY</b>
<b>JB 638 N</b>	<b>INSTALLATION OF FIELD CONSTRUCTED UTILITY STRUCTURE</b> <i>At the following locations:</i> Various Mid-block and Various Intersections <b>Total Quantity for JB 638 N = 32</b>	<b>CY</b>
<b>JB 638 R</b>	<b>BREAK OUT AND REMOVE UTILITY STRUCTURE</b> <i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE <b>Total Quantity for JB 638 R = 32</b>	<b>CY</b>
<b>JB 700</b>	<b>SPECIAL MODIFICATION OF WORK METHODS TO ACCOMMODATE/PROTECT UNDERGROUND FACILITIES WITH LIMITED COVER</b> <i>At the following locations:</i> Various Locations AS SHOWN ON CONTRACT DRAWINGS AND DIRECTED BY A CON EDISON REP. <b>Total Quantity for JB 700 = 37</b>	<b>CY</b>

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JB 710.1	REMOVAL OF ABANDONED UTILITY STEEL/CAST IRON/PLASTIC, UP TO AND INCL. 12" DIAMETER PIPES <i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 710.1 = 150	LF
JB 711	USE SHEETING LINE AS FORM <i>At the following locations:</i> Various Mid-block and Various Intersections AS SHOWN ON CONTRACT DRAWINGS AND DIRECTED BY CON EDISON REP Total Quantity for JB 711 = 70	LF
JB 803.2	LINE CUT BY PNEUMATIC TOOLS IN LIEU OF SAW CUT ASSOCIATED WITH ROADWAY REMOVAL OPERATIONS (LINE CUT ANY COMBINATION OF ASPHALT AND CONCRETE ROADWAY) <i>At the following locations:</i> Various Mid-block and Various Intersections AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 803.2 = 60	LF
JB 850	INSTALLATION OF RUBBER SHEETS FOR UTILITY FACILITIES <i>At the following locations:</i> Various Mid-block and Various Intersections Total Quantity for JB 850 = 270	SF
JB 900	EXTRA UTILITY WORK COSTS ALLOWANCE (THREE HUNDRED & FORTY SIX THOUSAND DOLLARS AND ZERO CENTS. \$346,000.00) <i>At the following locations:</i> Various Locations AS ENCOUNTERED AND DIRECTED BY A CON EDISON REPRESENTATIVE Total Quantity for JB 900 = 1	FS

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<b>JB ITEM</b>	<b>UNITS</b>	<b>TOTAL</b>	<b>DESCRIPTION</b>
108.1	EACH	68	UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING 12" DIAMETER (TYPE .1)
108.2	EACH	19	UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING 12" DIAMETER (TYPE .2)
108.3	EACH	8	UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING 12" DIAMETER (TYPE .3)
108.4	EACH	5	UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING 12" DIAMETER (TYPE .4)
109.1	EACH	14	UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .1)
109.2	EACH	8	UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .2)
109.3	EACH	5	UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .3)
109.4	EACH	2	UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .4)
300	CY	450	SPECIAL CARE EXCAVATION AND BACKFILLING
330T1	LF	4,000	SUPPORT AND PROTECTION OF COMMUNICATION UTILITY FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE IN OR IN CLOSE PROXIMITY TO TRENCH LIMITS
350A-T	EA	376	HOUSE SERVICES CROSSING WATER MAIN TRENCH UP TO AND INCLUDING 20" DIAMETER WATER MAIN
350 M - T	EA	56	MAIN CABLE CROSSING WATER MAIN TRENCH UP TO AND INCLUDING 20" DIAMETER WATER MAIN
350D-T	EA	72	HYDRANTS PERPENDICULAR TO OVERHEAD WIRES
350H-T	LF	4,808	WATER MAIN OR CHUTE INSTALLATION PARALLEL TO MAIN CABLE WITHIN 4' CENTERLINE OF WATER MAIN TO CURB
400	CY	60	TEST PITS FOR UTILITY FACILITIES
401	CY	800	TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES
402T.1	LF	500	EXISTING CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT



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JB ITEM	UNITS	TOTAL	DESCRIPTION
402T.V1	LF	100	EXISTING VACANT CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT
402T.1A	LF	1,750	EXISTING CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT
402T.V1A	LF	175	EXISTING VACANT CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT
402T.2	LF	1,750	EXISTING NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT
402T.V2	LF	400	EXISTING VACANT NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT
402T.2A	LF	6,000	EXISTING OCCUPIED NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT
402T.V2A	LF	100	EXISTING VACANT NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT
403	SF	100	PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES
500	LF	150	REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)
798	LF	50	MODIFICATION OF NON CONCRETE YOKE TROLLEY STRUCTURES REMOVAL WHEN CROSSING UTILITY FACILITIES
799	LF	50	MODIFICATION OF NON CONCRETE TROLLEY STRUCTURES REMOVAL PARALLEL TO UTILITY FACILITIES
800	LF	50	MODIFICATION OF CONCRETE YOKE TROLLEY STRUCTURES REMOVAL WHEN CROSSING UTILITY FACILITIES
801	LF	50	MODIFICATION OF CONCRETE YOKE TROLLEY STRUCTURES REMOVAL PARALLEL TO UTILITY FACILITIES
803	LF	80	LINE CUT BY PNEUMATIC TOOLS IN LIEU OF SAW CUT ASSOCIATED WITH ROADWAY REMOVAL OPERATIONS
900	FS	1	EXTRA UTILITY WORK COSTS ALLOWANCE PRICE BID SHALL BE THE FIXED SUM OF \$250,000 (TWO HUNDRED & FIFTY THOUSAND DOLLARS AND ZERO CENTS. \$250,000.00)



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**JB 108.1**

**UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING  
12" DIAMETER (TYPE .1)**

**@ THE FOLLOWING LOCATIONS****QTY(EA)**

**AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE**

**JB 108.1****TOTAL****68****JB 108.2**

**UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING  
12" DIAMETER (TYPE .2)**

**@ THE FOLLOWING LOCATIONS****QTY(EA)**

**AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE**

**JB 108.2****TOTAL****19****JB 108.3**

**UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING  
12" DIAMETER (TYPE .3)**

**@ THE FOLLOWING LOCATIONS****QTY(EA)**

**AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE**

**JB 108.3****TOTAL****8****JB 108.4**

**UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING  
12" DIAMETER (TYPE .4)**

**@ THE FOLLOWING LOCATIONS****QTY(EA)**

**AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE**

**JB 108.4****TOTAL****5****JB 109.1**

**UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO**



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**24" DIAMETER (TYPE .1)**

<b>@ THE FOLLOWING LOCATIONS</b>		<b>QTY(EA)</b>
<b>AS ENCOUNTERED &amp; DIRECTED BY THE VERIZON FIELD REPRESENTATIVE</b>		
<b>JB 109.1</b>	<b>TOTAL</b>	<b>14</b>

**JB 109.2**

**UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO  
24" DIAMETER (TYPE .2)**

<b>@ THE FOLLOWING LOCATIONS</b>		<b>QTY(EA)</b>
<b>AS ENCOUNTERED &amp; DIRECTED BY THE VERIZON FIELD REPRESENTATIVE</b>		
<b>JB 109.2</b>	<b>TOTAL</b>	<b>8</b>

**JB 109.3**

**UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO  
24" DIAMETER (TYPE .3)**

<b>@ THE FOLLOWING LOCATIONS</b>		<b>QTY(EA)</b>
<b>AS ENCOUNTERED &amp; DIRECTED BY THE VERIZON FIELD REPRESENTATIVE</b>		
<b>JB 109.3</b>	<b>TOTAL</b>	<b>5</b>

**JB 109.4**

**UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO  
24" DIAMETER (TYPE .4)**

<b>@ THE FOLLOWING LOCATIONS</b>		<b>QTY(EA)</b>
<b>AS ENCOUNTERED &amp; DIRECTED BY THE VERIZON FIELD REPRESENTATIVE</b>		
<b>JB 109.4</b>	<b>TOTAL</b>	<b>2</b>

**JB 300**

**SPECIAL CARE EXCAVATION AND BACKFILLING**

<b>@ THE FOLLOWING LOCATIONS</b>		<b>QTY(CY)</b>
<b>AS ENCOUNTERED &amp; DIRECTED BY THE VERIZON FIELD REPRESENTATIVE</b>		
<b>JB 300</b>	<b>TOTAL</b>	<b>450</b>

**JB 330T1**

**SUPPORT AND PROTECTION OF COMMUNICATION UTILITY FACILITIES  
DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE IN OR**



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@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
JB 330T1		
	<b>TOTAL</b>	<b>4000</b>

**JB 350A-T**  
**HOUSE SERVICES CROSSING WATER MAIN TRENCH UP TO AND INCLUDING 20" DIAMETER WATER MAIN**

@ THE FOLLOWING LOCATIONS		QTY(EA)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
JB 350A-T		
	<b>TOTAL</b>	<b>376</b>

**JB 350M-T**  
**MAIN CABLE CROSSING WATER MAIN TRENCH UP TO AND INCLUDING 20" DIAMETER WATER MAIN**

@ THE FOLLOWING LOCATIONS		QTY(EA)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
JB 350A-MT		
	<b>TOTAL</b>	<b>56</b>

**JB 350D-T**  
**HYDRANTS PERPENDICULAR TO OVERHEAD WIRES**

@ THE FOLLOWING LOCATIONS		QTY(EA)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
JB 350D-T		
	<b>TOTAL</b>	<b>72</b>

**JB 350H-T**  
**WATER MAIN OR CHUTE INSTALLATION PARALLEL TO MAIN CABLE WITHIN 4' CENTERLINE OF WATER MAIN TO CURB**

@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
JB 350H-T		
	<b>TOTAL</b>	<b>4808</b>

**JB 400**  
**TEST PITS FOR UTILITY FACILITIES**



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@ THE FOLLOWING LOCATIONS		QTY(CY)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 400</b>	<b>TOTAL</b>	<b>60</b>

**JB 401**

**TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES**

@ THE FOLLOWING LOCATIONS		QTY(CY)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 401</b>	<b>TOTAL</b>	<b>800</b>

**JB 402T.1**

**EXISTING CONCRETE ENCASED TELECOMMUNICATION CONDUITS  
PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT**

@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 402T.1</b>	<b>TOTAL</b>	<b>500</b>

**JB 402T.V1**

**EXISTING VACANT CONCRETE ENCASED TELECOMMUNICATION CONDUITS  
PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT**

@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 402T.V1</b>	<b>TOTAL</b>	<b>100</b>

**JB 402T.1A**

**EXISTING CONCRETE ENCASED TELECOMMUNICATION CONDUITS  
PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT**

@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 402T.1A</b>	<b>TOTAL</b>	<b>1750</b>

**JB 402T.V1A**

**EXISTING VACANT CONCRETE ENCASED TELECOMMUNICATION  
CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT**



**VERIZON**

For Information Only

Project ID. BEDA001

**DECEMBER 2014****BEDA-001- Distribution Water Main Work  
Borough of Brooklyn****Schedule U-2: Scope of Work for JB items**

@ THE FOLLOWING LOCATIONS	QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE	
<b>JB 402T.V1A</b>	
<b>TOTAL</b>	<b>175</b>

**JB 402T.2**  
**EXISTING NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS  
PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT**

@ THE FOLLOWING LOCATIONS	QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE	
<b>JB 402T.2</b>	
<b>TOTAL</b>	<b>1750</b>

**JB 402T.V2**  
**EXISTING VACANT NON-CONCRETE ENCASED TELECOMMUNICATION  
CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT**

@ THE FOLLOWING LOCATIONS	QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE	
<b>JB 402T.V2</b>	
<b>TOTAL</b>	<b>400</b>

**JB 402T.2A**  
**EXISTING OCCUPIED NON-CONCRETE ENCASED TELECOMMUNICATION  
CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT**

@ THE FOLLOWING LOCATIONS	QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE	
<b>JB 402T.2A</b>	
<b>TOTAL</b>	<b>6000</b>

**JB 402T.V2A**  
**EXISTING VACANT NON-CONCRETE ENCASED TELECOMMUNICATION  
CONDUITS PLACED IN FINAL POSITION WITH CONCRETE ENCASEMENT**

@ THE FOLLOWING LOCATIONS	QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE	
<b>JB 402T.V2A</b>	
<b>TOTAL</b>	<b>100</b>

**JB 403**  
**PLACING STEEL PROTECTION PLATES FOR UTILITY FACILITIES**



**VERIZON****For Information Only****DECEMBER 2014**

**BEDA-001- Distribution Water Main Work  
Borough of Brooklyn**

**Schedule U-2: Scope of Work for JB items**

@ THE FOLLOWING LOCATIONS		QTY(SF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 403</b>	<b>TOTAL</b>	<b>100</b>

**JB 500**

**REMOVAL OF ABANDONED UTILITY CONDUITS  
(NON-CONCRETE ENCASED)**

@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 500</b>	<b>TOTAL</b>	<b>150</b>

**JB 798**

**MODIFICATION OF NON CONCRETE YOKE TROLLEY STRUCTURES REMOVAL  
WHEN CROSSING UTILITY FACILITIES**

@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 798</b>	<b>TOTAL</b>	<b>50</b>

**JB 799**

**MODIFICATION OF NON CONCRETE TROLLEY STRUCTURES REMOVAL  
PARALLEL TO UTILITY FACILITIES**

@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 799</b>	<b>TOTAL</b>	<b>50</b>

**JB 800**

**MODIFICATION OF CONCRETE YOKE TROLLEY STRUCTURES REMOVAL  
WHEN CROSSING UTILITY FACILITIES**

@ THE FOLLOWING LOCATIONS		QTY(LF)
AS ENCOUNTERED & DIRECTED BY THE VERIZON FIELD REPRESENTATIVE		
<b>JB 800</b>	<b>TOTAL</b>	<b>50</b>

**JB 801**

**MODIFICATION OF CONCRETE YOKE TROLLEY STRUCTURES REMOVAL  
PARALLEL TO UTILITY FACILITIES**



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**BEDA-001- Distribution Water Main Work  
Borough of Brooklyn**

**Schedule U-2: Scope of Work for JB items**

<b>@ THE FOLLOWING LOCATIONS</b>		<b>QTY(LF)</b>
<b>AS ENCOUNTERED &amp; DIRECTED BY THE VERIZON FIELD REPRESENTATIVE</b>		
<b>JB 801</b>	<b>TOTAL</b>	<b>50</b>

**JB 803**

**LINE CUT BY PNEUMATIC TOOLS IN LIEU OF SAW CUT ASSOCIATED  
WITH ROADWAY REMOVAL OPERATIONS**

<b>@ THE FOLLOWING LOCATIONS</b>		<b>QTY(LF)</b>
<b>AS ENCOUNTERED &amp; DIRECTED BY THE VERIZON FIELD REPRESENTATIVE</b>		
<b>JB 803</b>	<b>TOTAL</b>	<b>80</b>

**JB 900**

**EXTRA UTILITY WORK COSTS ALLOWANCE  
PRICE BID SHALL BE THE FIXED SUM OF \$250,000**

**(TWO HUNDRED & FIFTY THOUSAND DOLLARS AND ZERO CENTS)**

<b>@ THE FOLLOWING LOCATIONS</b>		<b>QTY(FS)</b>
<b>AS ENCOUNTERED &amp; DIRECTED BY THE VERIZON FIELD REPRESENTATIVE</b>		
<b>JB 900</b>	<b>TOTAL</b>	<b>1</b>



**CABLEVISION****For Information Only****DECEMBER 2014**

**BEDA-001- Distribution Water Main Work  
Boroughs of Brooklyn  
Cablevision Utility Joint Bid Estimate**

<b>JB ITEM</b>	<b>UNITS</b>	<b>TOTAL</b>	<b>DESCRIPTION</b>
108.1	EACH	34	UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING 12" DIAMETER (TYPE .1)
108.2	EACH	12	UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING 12" DIAMETER (TYPE .2)
109.1	EACH	19	UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .1)
109.2	EACH	4	UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO 24" DIAMETER (TYPE .2)
300	CY	20	SPECIAL CARE EXCAVATION AND BACKFILLING
330T1	LF	500	SUPPORT AND PROTECTION OF COMMUNICATION UTILITY FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE IN OR IN CLOSE PROXIMITY TO TRENCH LIMITS
350A-C	EA	840	HOUSE SERVICES CROSSING WATER MAIN TRENCH UP TO AND INCLUDING 20" DIAMETER WATER MAIN
350 M - C	EA	90	MAIN CABLE CROSSING WATER MAIN TRENCH UP TO AND INCLUDING 20" DIAMETER WATER MAIN
350D-C	EA	180	HYDRANTS PERPENDICULAR TO OVERHEAD WIRES
350H-C	LF	5500	WATER MAIN OR CHUTE INSTALLATION PARALLEL TO MAIN CABLE WITHIN 4' CENTERLINE OF WATER MAIN TO CURB
400	CY	10	TEST PITS FOR UTILITY FACILITIES
401	CY	68	TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES
402T.2	LF	180	EXISTING NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT
402T.V2	LF	18	EXISTING VACANT NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT
500	LF	20	REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)



**BEDA-001- Distribution Water Main Work  
Boroughs of Brooklyn****Schedule U-2: Scope of Work for JB items**

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**JB 108.1****UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING  
12" DIAMETER (TYPE .1)**

		QTY(EA)
@ THE FOLLOWING LOCATIONS		
AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP		
JB 108.1		
	<b>TOTAL</b>	<b>34</b>

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**JB 108.2****UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO AND INCLUDING  
12" DIAMETER (TYPE .2)**

		QTY(EA)
@ THE FOLLOWING LOCATIONS		
AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP		
JB 108.2		
	<b>TOTAL</b>	<b>12</b>

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**JB 109.1****UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO  
24" DIAMETER (TYPE .1)**

		QTY(EA)
@ THE FOLLOWING LOCATIONS		
AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP		
JB 109.1		
	<b>TOTAL</b>	<b>19</b>

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**JB 109.2****UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" AND UP TO  
24" DIAMETER (TYPE .2)**

		QTY(EA)
@ THE FOLLOWING LOCATIONS		
AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP		
JB 109.2		
	<b>TOTAL</b>	<b>4</b>

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**JB 300****SPECIAL CARE EXCAVATION AND BACKFILLING**

		QTY(CY)
@ THE FOLLOWING LOCATIONS		
AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP		
JB 300		
	<b>TOTAL</b>	<b>20</b>

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**CABLEVISION****For Information Only****DECEMBER 2014**

**BEDA-001- Distribution Water Main Work  
Boroughs of Brooklyn**

**Schedule U-2: Scope of Work for JB Items**

**JB 330T1**

**SUPPORT AND PROTECTION OF COMMUNICATION UTILITY FACILITIES  
DURING EXCAVATION OF CITY TRENCH WHEN FACILITIES LIE IN OR  
IN CLOSE PROXIMITY TO TRENCH LIMITS**

**@ THE FOLLOWING LOCATIONS****QTY(LF)****AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP****JB 330T1****TOTAL****500****JB 350A-C**

**HOUSE SERVICES CROSSING WATER MAIN TRENCH UP TO AND  
INCLUDING 20" DIAMETER WATER MAIN**

**@ THE FOLLOWING LOCATIONS****QTY(EA)****AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP****JB 350A-C****TOTAL****840****JB 350 M - C**

**MAIN CABLE CROSSING WATER MAIN TRENCH UP TO AND INCLUDING  
20" DIAMETER WATER MAIN**

**@ THE FOLLOWING LOCATIONS****QTY(EA)****AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP****JB 350A-MC****TOTAL****90****JB 350D-C**

**HYDRANTS PERPENDICULAR TO OVERHEAD WIRES**

**@ THE FOLLOWING LOCATIONS****QTY(EA)****AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP****JB 350D-C****TOTAL****180****JB 350H-C**

**WATER MAIN OR CHUTE INSTALLATION PARALLEL TO MAIN CABLE  
WITHIN 4' CENTERLINE OF WATER MAIN TO CURB**

**@ THE FOLLOWING LOCATIONS****QTY(LF)****AS ENCOUNTERED & DIRECTED BY THE CABLEVISION FIELD REP****JB 350H-C****TOTAL****5500**



**BEDA-001- Distribution Water Main Work  
Boroughs of Brooklyn****Schedule U-2: Scope of Work for JB items**

<b>JB 400</b>		
<b>TEST PITS FOR UTILITY FACILITIES</b>		
<b>@ THE FOLLOWING LOCATIONS</b>		
<b>AS ENCOUNTERED &amp; DIRECTED BY THE CABLEVISION FIELD REP</b>		<b>QTY(CY)</b>
<b>JB 400</b>		
	<b>TOTAL</b>	<b>10</b>
<b>JB 401</b>		
<b>TRENCH EXCAVATION FOR ADJUSTMENT OF UTILITY FACILITIES</b>		
<b>@ THE FOLLOWING LOCATIONS</b>		
<b>AS ENCOUNTERED &amp; DIRECTED BY THE CABLEVISION FIELD REP</b>		<b>QTY(CY)</b>
<b>JB 401</b>		
	<b>TOTAL</b>	<b>68</b>
<b>JB 402T.2</b>		
<b>EXISTING NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT</b>		
<b>@ THE FOLLOWING LOCATIONS</b>		
<b>AS ENCOUNTERED &amp; DIRECTED BY THE CABLEVISION FIELD REP</b>		<b>QTY(LF)</b>
<b>JB 402T.2</b>		
	<b>TOTAL</b>	<b>180</b>
<b>JB 402T.V2</b>		
<b>EXISTING VACANT NON-CONCRETE ENCASED TELECOMMUNICATION CONDUITS PLACED IN FINAL POSITION WITHOUT CONCRETE ENCASEMENT</b>		
<b>@ THE FOLLOWING LOCATIONS</b>		
<b>AS ENCOUNTERED &amp; DIRECTED BY THE CABLEVISION FIELD REP</b>		<b>QTY(LF)</b>
<b>JB 402T.V2</b>		
	<b>TOTAL</b>	<b>18</b>
<b>JB 500</b>		
<b>REMOVAL OF ABANDONED UTILITY CONDUITS (NON-CONCRETE ENCASED)</b>		
<b>@ THE FOLLOWING LOCATIONS</b>		
<b>AS ENCOUNTERED &amp; DIRECTED BY THE CABLEVISION FIELD REP</b>		<b>QTY(LF)</b>
<b>JB 500</b>		
	<b>TOTAL</b>	<b>20</b>



**FOR INFORMATION ONLY**  
**ENGINEER'S ESTIMATE OF QUANTITIES AND TYPES OF INTERFERENCE**  
**TIME WARNER CABLE OF NEW YORK CITY**  
**BEDA-001**  
**Accelerated Distribution Water Main Replacement**  
**Borough of Brooklyn**

JB ITEM	DESCRIPTION	UNITS	ESTIMATED QUANTITY
108.1	UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO & INCLUDING 12" DIAMETER	EA	10
109.1	UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" TO 24" DIAMETER	EA	5
300	SPECIAL CARE EXCAVATION & BACKFILLING	CY	100
330T1	SUPPORT & PROTECTION OF COMMUNICATION UTILITY FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN PARALLELING COMMUNICATION FACILITIES LIE COMPLETELY IN THE PROPOSED TRENCH	LF	150
401AC	SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF CABLE TV FACILITIES CONNECTED TO THE BASE PAVEMENT	CY	50
350A-TWC	OVERHEAD HOUSE SERVICE CROSSING WATER MAIN	EA	100
350M-TWC	OVERHEAD MAIN CABLE CROSSING WATER MAIN	EA	50
350D-TWC	HYDRANT INSTALLATION/REMOVAL UNDER OVERHEAD MAIN CABLE	EA	25
350H-TWC	OVERHEAD MAIN CABLE PARALLEL TO WATER MAIN (4' or less from curbline to centerline of water main)	LF	250



**TIME WARNER CABLE  
SUPPORT & PROTECTION  
BEDA-001  
Accelerated Distribution Water Main Replacement  
Borough of Brooklyn**

<b>JB 108.1</b>	<b>UTILITIES CROSSING TRENCH FOR WATER MAIN UP TO &amp; INCLUDING 12" DIAMETER</b> At the following locations: AS ENCOUNTERED	<b>EA</b>
	Total quantity for JB 108.1	10
<b>JB 109.1</b>	<b>UTILITIES CROSSING TRENCH FOR WATER MAIN OVER 12" TO 24" DIAMETER</b> At the following location: AS ENCOUNTERED	<b>EA</b>
	Total quantity for JB 109.1	5
<b>JB 300</b>	<b>SPECIAL CARE EXCAVATION &amp; BACKFILLING</b> At the following locations: AS ENCOUNTERED	<b>CY</b>
	Total quantity for JB 300	100
<b>JB 330T1</b>	<b>SUPPORT &amp; PROTECTION OF COMMUNICATION UTILITY FACILITIES DURING EXCAVATION OF CITY TRENCH WHEN PARALLELING COMMUNICATION FACILITIES LIE COMPLETELY IN THE PROPOSED TRENCH</b> At the following locations: AS ENCOUNTERED	<b>LF</b>
	Total quantity for JB 330T1	150
<b>JB 401AC</b>	<b>SPECIAL CARE PAVEMENT EXCAVATION FOR ADJUSTMENT OF CABLE TV FACILITIES CONNECTED TO THE BASE PAVEMENT</b> At the following locations: AS DIRECTED BY TIME WARNER CABLE REPRESENTATIVE	<b>CY</b>
	Total quantity for JB 401AC	50
<b>JB 350A-TWC</b>	<b>OVERHEAD HOUSE SERVICE CROSSING WATER MAIN</b> At the following locations: AS ENCOUNTERED	<b>EA</b>
	Total quantity for JB 350A-TWC	100
<b>JB 350M-TWC</b>	<b>OVERHEAD MAIN CABLE CROSSING WATER MAIN</b> At the following locations: AS ENCOUNTERED	<b>EA</b>
	Total quantity for JB 350M-TWC	50



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**JB 350D-TWC**   **HYDRANT INSTALLATION/REMOVAL UNDER OVERHEAD MAIN  
CABLE**  
At the following locations:  
AS ENCOUNTERED

EA

Total quantity for JB 350D-TWC   25

**JB 350H-TWC**   **OVERHEAD MAIN CABLE PARALLEL TO WATER MAIN (4' or  
less from curbline to centerline of water main)**  
At the following locations:  
AS ENCOUNTERED

LF

Total quantity for JB 350H-TWC   250



THE FOLLOWING GENERAL NOTES AND CONDITIONS ON PAGES A4-99 THROUGH A4-104 ARE REPRINTS OF THOSE NOTES CONTAINED ON PAGE A4-105

## GENERAL NOTES AND CONDITIONS

## GENERAL

1. GENERAL THE CONTRACTOR SHALL BE REQUIRED, WHEN 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, FURNISHING, DELIVERING, AND LAYING OFFSET FITTINGS AND PIPES NECESSARY IN ORDER TO COMPLETE WATER MAIN INSTALLATION AND AVOID ELECTRIC, TELEPHONE, NON COST SHARING GAS, STEAM AND CABLE TV INTERFERENCES IN THE PROJECT AREA. SUCH WORK SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND LATEST EDITION OF THE BUREAU OF WATER SUPPLY STANDARD SPECIFICATIONS. SUCH WORK SHALL BE PAID UNDER APPROPRIATE CITY CONTRACT BID ITEMS AS DETERMINED BY THE RESIDENT ENGINEER.
2. EACH FACILITY OPERATOR SHALL PROVIDE INSPECTORS AT THE WORK SITE TO MONITOR AND INSPECT METHODS OF WORK INCLUDING THE MAINTENANCE AND SUPPORT AND RELOCATION OF UTILITY FACILITIES, VERIFY QUANTITIES AND ITEMS OF UTILITY WORK, COORDINATE ALL PHASES OF THE FACILITY OPERATOR'S OPERATIONS, AND PROVIDE GUIDANCE WITH RESPECT TO BOTH UTILITY INTERFERENCE AND RELOCATION WORK. THE CITY RESIDENT ENGINEER SHALL CONSULT WITH THE FACILITY OPERATOR AND SHALL HAVE COMPLETE AUTHORITY FOR THE ADMINISTRATION OF ALL WORK UNDER THE CONSTRUCTION CONTRACT.
3. ALL PRIVATE UTILITY FACILITY WORK (SUPPORT, PROTECTION, REMOVAL) ASSOCIATED WITH THE NEW YORK CITY TRANSIT AUTHORITY PORTION OF THIS PROJECT SHALL BE PAID DIRECTLY BY THE TRANSIT AUTHORITY AND NOT THE PRIVATE UTILITY FACILITY OPERATORS.
4. ANY REQUESTS FOR ADDITIONAL AND/OR MODIFICATIONS TO THE MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) PLAN, FOR THE PRIVATE UTILITIES, SHALL REQUIRE THE APPROVAL OF THE RESIDENT ENGINEER IN CONSULTATION WITH THE FACILITY OPERATOR. MODIFICATIONS REQUIRED TO PERFORM JB ITEMS, INCLUDED THE UTILITY JOINT BID SCOPE OF WORK, BEYOND THOSE ESTABLISHED IN THE CONTRACT MPT PLAN IS DEEMED INCLUDED IN THE COSTS ASSOCIATED WITH THE APPLICABLE JB CONTRACT BID ITEM.
5. WHEN UTILITY FACILITIES LIE WITHIN OR AT THE LIMITS OF THE PROPOSED CITY TRENCH, THE CONTRACTOR SHALL MODIFY THE SHEETING METHOD, SUBJECT TO THE APPROVAL OF THE FACILITY OPERATOR AND THE RESIDENT ENGINEER. ALL WORK SHALL BE PERFORMED WITHOUT RISKING THE INTEGRITY OF THE UTILITY FACILITIES AND SHALL BE DONE IN ACCORDANCE WITH JB 330E AND ALL SAFETY STANDARDS AS DIRECTED BY THE FACILITY OPERATOR.
6. PAVEMENT RESTORATION FOR ANY CON EDISON WORK PERFORMED OUTSIDE THE CONTRACT LIMITS, SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNMENTAL AUTHORITY HAVING JURISDICTION. USING APPLICABLE BID ITEMS 4.02AG, 4.02CA, AND 4.04HD AS DIRECTED BY THE FACILITY OPERATOR IN CONSULTATION WITH THE RESIDENT ENGINEER.
7. OUTSIDE OF JB 100 SPECIFICATIONS, ANY SUPPORT DESIGN REQUIREMENT SHALL BE PROVIDED BY THE CITY CONTRACTOR AND APPROVED BY THE PRIVATE FACILITY OPERATORS.
8. WHEN OIL-O-STATIC LINES LIE WITHIN OR IN THE LIMITS OF THE PROPOSED MASS EXCAVATION, THE CONTRACTOR SHALL SUPPORT, PROTECT AND MAINTAIN THE OIL-O-STATIC LINES. THE SUPPORT OF THE OIL-O-STATIC LINES INCLUDING THE DESIGN OF THE SUPPORT SYSTEMS, WHICH ARE SUBJECT TO THE APPROVAL OF CON EDISON, SHALL BE INCLUDED IN THE JB 410 ITEM.



APPLICABLE CODES AND STANDARDS

1. WHERE DOCUMENTS ARE REFERENCED IN THE GENERAL AND/OR DESIGN NOTES THEY SHALL BE THE LATEST EDITIONS, UNLESS OTHERWISE NOTED.
2. ALL UTILITY WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE APPLICABLE UTILITY COMPANY. CONTRACTOR SHALL REVIEW COPIES OF APPLICABLE UTILITY STANDARDS AS THEIR REQUIREMENTS MAY EXCEED/DIFFER FROM THOSE REQUIRED BY NYC, NYS OR OSHA. IN ALL CASES THE STRICTER REQUIREMENT SHALL CONTROL.
3. CHANGES/MODIFICATIONS TO CITY SEWERS, CATCH BASINS, CHUTE CONNECTIONS, AND WATER MAINS SHALL CONFORM TO NYCDDC SPECIFICATIONS AND AS SHOWN ON APPLICABLE JOINT BID SPECIFICATIONS.
4. THE CONTRACTOR WILL ADHERE TO ALL CODE 753 REQUIREMENTS PRIOR TO PERFORMING ANY EXCAVATIONS.
5. IN AREAS WHERE CONGESTED UNDERGROUND INFRASTRUCTURES EXIST, THE CITY RESIDENT OR BOROUGH ENGINEER MAY WAIVE CITY STANDARD MINIMUM CLEARANCE REQUIREMENTS. WHEN CLEARANCES ARE LESS THAN 12 INCHES, A NEOPRENE/POLYETHYLENE SHIELD, FURNISHED BY THE APPLICABLE FACILITY OPERATOR(S) SHALL BE INSTALLED BY THE CONTRACTOR, AS DIRECTED BY THE RESIDENT ENGINEER IN CONSULTATION WITH THE FACILITY OPERATOR AND IS CONSIDERED PART OF ALL WORK ITEM SPECIFICATIONS. PAYMENT FOR THIS WORK SHALL BE DEEMED INCLUDED IN THE APPROPRIATE BID ITEM.
6. THE FOLLOWING SPECIFICATIONS ARE AVAILABLE FOR CONTRACTOR REVIEW WITH THE DDC:
  - A. CON EDISON STEAM SPECIFICATION 122, LATEST REVISION
  - B. CON EDISON TRENCHING MANUAL, LATEST REVISION
  - C. CON EDISON GAS GENERAL SPECIFICATION NO. 117, LATEST REVISION
  - D. GAS CONSTRUCTION SPECIFICATION NO. 900, LATEST REVISION
  - E. BELL SYSTEM PRACTICE 622-505-210, DATED APRIL 1974 - MANHOLES
  - F. BELL SYSTEM PRACTICE 919-240-300, DATED DEC. 1974 - MANHOLES
  - G. CON EDISON CONSTRUCTION STANDARDS, SPECIFICATIONS AND DRAWINGS FOR EXCAVATING TRENCHES AND OPENINGS AND INSTALLING OUTSIDE PLANT ELECTRIC FACILITIES.

PROJECT DOCUMENTS

1. THIS SET OF UTILITY DRAWINGS TOGETHER WITH THE CONTRACT AND NOTED UTILITY SPECIFICATIONS, CONSTITUTES THE COMPLETE DOCUMENTATION BY WHICH ALL CONTRACT WORK SHALL FOLLOW.
2. IN PROJECTS WITH UNDEFINED SCOPE, THE CONTRACTOR SHALL REQUEST UTILITY MAPS & PLATES FROM THE UTILITY OPERATOR FIELD REPRESENTATIVE. ALL INFORMATION CONTAINED IN SUCH DOCUMENTS IS SUBJECT TO FIELD VERIFICATION.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE PROPER SHORING AND BRACING DURING CONSTRUCTION WHENEVER AND WHEREVER NECESSARY, WHICH SHALL NOT BE REMOVED AS LONG AS REQUIRED FOR SAFETY AS DIRECTED BY THE RESIDENT ENGINEER.
4. IN THE EVENT THAT CERTAIN DETAILS OF CONSTRUCTION ARE NOT FULLY SHOWN OR NOTED ON DRAWINGS, CONSTRUCTION SHALL BE OF THE SAME TYPE AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR NOTED, SUBJECT TO THE APPROVAL OF THE FACILITY OPERATOR REPRESENTATIVE AND RESIDENT ENGINEER.



**MATERIALS**

1. ALL MATERIALS SUPPLIED BY THE FACILITY OPERATOR(S) SHALL BE DELIVERED FREE ON BOARD (F.O.B.) TO THE CONTRACTOR'S REQUESTED LOCATION. IT SHALL THEN BE THE CONTRACTOR'S RESPONSIBILITY AND EXPENSE TO THE DELIVER AND/OR DISTRIBUTE THE MATERIAL SUPPLIED BY THE FACILITY OPERATOR(S) TO THE REQUIRED JOB LOCATION(S) THEREAFTER.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, TO INSPECT, UNLOAD AND VERIFY THE QUANTITIES OF FURNISHED SPECIALIZED MATERIAL IMMEDIATELY UPON DELIVERY AND ADVISE THE FACILITY OPERATOR(S) OF ALL DAMAGED MATERIAL. THE CONTRACTOR, AT NO ADDITIONAL EXPENSE TO THE CITY OR THE FACILITY OPERATOR(S), SHALL REPLACE ANY MATERIAL, WHICH IS DAMAGED OR LOST AFTER THE CONTRACTOR'S INSPECTION AND ACCEPTANCE. ALL ASSOCIATED COSTS ARE DEEMED INCLUDED IN THE APPLICABLE JOINT BID ITEMS.
3. GENERAL BACKFILL AND BEDDING MATERIALS FOR EXCAVATION AROUND CON EDISON FACILITIES SHALL BE PERFORMED IN ACCORDANCE WITH EO-1180, EO-1181, EO-8085, AND THE APPROPRIATE FACILITY INSTALLATION SPECIFICATION. ALL OTHER BACKFILLING SHALL SATISFY NYCDOT METHODS AND STANDARDS. ALL COSTS ASSOCIATED SHALL BE INCLUDED IN THE APPLICABLE JB ITEMS.

**CONSTRUCTION SEQUENCE NOTES**

THE FOLLOWING CONSTRUCTION SEQUENCING NOTES ARE ISSUED TO SUPPLEMENT THE CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS AND JOINT BID ITEM SPECIFICATIONS. THE NOTES PROVIDED BELOW SHALL BE USED IN CONJUNCTION WITH SAID CONTRACT DOCUMENTS TO ESTABLISH THE SEQUENTIAL ORDER OF INSTALLATION OF NEW COMMUNICATION AND ELECTRIC UTILITIES, NON COST SHARING GAS, STEAM, AND CABLE TV AND THE CITY PLANNED WORK AS SPECIFIED WITHIN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUBMIT A WORK SCHEDULE THAT WILL INCLUDE THE UTILITY WORK FOR APPROVAL BY THE UTILITY FACILITY OPERATORS IN CONSULTATION WITH THE RESIDENT ENGINEER.

**CONSTRUCTION SEQUENCING FOR PRIVATE UTILITY FACILITIES AND CITY WORK WITHIN THE ABOVE REFERENCED PROJECT**

1. PRIOR TO MASS EXCAVATING, THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY FACILITY OPERATORS AND APPLICABLE CITY AGENCIES INCLUDING THE NEW YORK CITY TRANSIT AUTHORITY (NYCTA).
2. THE CONTRACTOR SHALL REMOVE THE EXISTING SURFACE AND BASE PAVEMENT FOR A WIDTH OF ROADWAY SPECIFIED IN THE MPT PLANS. CITY CONTRACT BID ITEMS, FOR THIS WORK, SHALL APPLY. AS ENCOUNTERED, THE CONTRACTOR SHALL REMOVE ABANDONED TROLLEY TRACKS, INCLUDING YOKES AND OTHER APPURTENANCES.
3. THE CONTRACTOR SHALL PERFORM MASS EXCAVATION AS SPECIFIED IN JOINT BID ITEM NUMBER JB 410 - "MASS EXCAVATION", AND INDICATED IN THE MASS EXCAVATION PLAN. THE WIDTH OF EXCAVATION SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS IN ACCORDANCE WITH THE MPT PLANS AND AS DIRECTED BY ECS AND CON EDISON REPRESENTATIVES IN CONSULTATION WITH THE RESIDENT ENGINEER. THE LENGTH OF THE EXCAVATION SHALL BE AS REQUIRED TO FACILITATE THE DISPOSAL OF ALL EXCAVATED AND/OR REMOVAL OF MATERIALS. THE TOTAL LENGTH OF MASS EXCAVATION OPEN AT ANY ONE TIME SHALL BE CONSISTENT WITH THE MPT PLANS.



4. UTILITY FACILITY REPRESENTATIVES IN CONSULTATION WITH THE RESIDENT ENGINEER AND, IN COOPERATION WITH THE CONTRACTOR SHALL DETERMINE A SUITABLE LOCATION FOR INSTALLATION OF THE NEW PRIVATE UTILITY FACILITIES. ONCE THE LOCATIONS HAVE BEEN ESTABLISHED, THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR THE LANES SELECTED AND WILL THEREBY GUARANTEE THAT THE NEW FACILITIES SHALL NOT OBSTRUCT THE PLANNED CITY CONTRACT WORK. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMMUNICATE IN WRITING, FOR EACH UTILITY LANE SELECTED, WHERE IN THE CONTRACTOR'S OPINION A LOCATION FOR THE INSTALLATION OF THE NEW UTILITY FACILITIES WILL OBSTRUCT THE PLANNED CITY WORK, SO THAT AN ALTERNATE APPROACH IS EVALUATED TO MITIGATE THE IMPENDING INTERFERENCE(S).
5. THE MASS EXCAVATION AND CONSTRUCTION OF NEW UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND STAGED IN ACCORDANCE WITH THE MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) PLANS.
6. THE CONTRACTOR SHALL REMOVE EXISTING OBSTRUCTIONS, INCLUDING BUT NOT LIMITED TO RETIRED AND ABANDONED EXISTING FACILITIES AND STRUCTURES, AS REQUIRED FOR INSTALLATION OF THE NEW UTILITY FACILITIES, CATCH BASINS, CHUTE CONNECTIONS, WATER MAINS, ETC. THE REMOVAL AND RELOCATION WORK SHALL BE COVERED UNDER APPROPRIATE CITY AND/OR JOINT BID ITEMS AND SHALL BE COORDINATED WITH UTILITY FACILITY OPERATORS IN CONSULTATION WITH THE RESIDENT ENGINEER.
7. THE CONTRACTOR SHALL PERFORM MODIFICATIONS TO EXISTING UTILITY FACILITIES AND/OR STRUCTURES TO ACCOMMODATE THE NEW UTILITY FACILITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE FACILITY OPERATORS IN CONSULTATION WITH THE RESIDENT ENGINEER.
8. THE CONTRACTOR SHALL INSTALL THE NEW FACILITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
9. UPON COMPLETION OF THE INSTALLATION OF THE UTILITY WORK, THE CONTRACTOR SHALL BACKFILL, COMPACT AND INSTALL TEMPORARY PAVEMENT AS DIRECTED BY THE FACILITY OPERATOR IN CONSULTATION WITH THE RESIDENT ENGINEER.
10. WHERE APPROPRIATE, AND AS DIRECTED BY THE FACILITY OPERATORS IN CONSULTATION WITH THE RESIDENT ENGINEER, THE CONTRACTOR SHALL BE PERMITTED TO INSTALL THE CITY WATER MAINS, CATCH BASINS, CATCH BASIN CONNECTIONS, SEWERS, SEWER MANHOLES, AND OTHER CITY CONTRACT WORK ITEMS AND APPURTENANCES IN COORDINATION AND DURING THE MASS EXCAVATION OPERATION, ONLY IF THIS PHASING SERVES TO BENEFIT THE SEQUENCING OF THE PROJECT THAT WILL REDUCE THE OVERALL PROJECT TIME DURATION AND DOES NOT ADDITIONALLY BURDEN THE PRIVATE UTILITIES WITH UNANTICIPATED FINANCIAL EXPENSES, AND ONLY IF APPROVED BY THE PRIVATE FACILITY OPERATORS IN CONSULTATION WITH THE RESIDENT ENGINEER.
11. THE CONTRACTOR EXPLICITLY ASSUMES FULL RESPONSIBILITY AND ANY AND ALL ADDITIONAL COSTS INCURRED IF HE CHOOSES TO MODIFY THIS SEQUENCING PLAN WITHOUT THE CONSENT OF THE FACILITY OPERATORS IN CONSULTATION WITH THE RESIDENT ENGINEER.
12. ALTERNATE SEQUENCING IN PART OR TOTAL WILL BE CONSIDERED FOR APPROVAL, IF PROPOSED BY THE CONTRACTOR IN WRITING, TO THE FACILITY OPERATORS AND THE RESIDENT ENGINEER.
13. SEQUENCING OF LAYOUT WORK FOR PRIVATE UTILITIES, WHICH RELIEVES DIRECT INTERFERENCE, SHALL BE SCHEDULED, SEQUENCED AND PERFORMED PRIOR TO THE INSTALLATION OF CITY IMPROVEMENTS THAT ARE IMPACTED BY THE DIRECT INTERFERENCE.



SPECIAL CONDITIONS

1. FOR WHEN AND WHERE CONTRACT(S), SCHEDULE-A, IS INCOMPLETE AND IS NOT INCLUSIVE OF UTILITY RELOCATION WORK. UTILITY SPECIALTY WORK INCLUDES BUT IS NOT LIMITED TO ALL CABLE WORK INCLUDING; INSTALLATION, REMOVAL, SPLICING VERIFICATION OF LIVE/DEAD FACILITIES, INSTALLATION OF ALL TYPES OF GAS PIPING, CUTTING AND CAPPING GAS MAINS, LIVE GAS CONNECTIONS, SERVICE REPLACEMENTS, TESTING LIVE/DEAD GAS MAINS, ALL LIVE STEAM WORK, FLANGE REMOVAL, PIPE REPLACEMENT, WELDING, STEAM TRAP REPLACEMENTS, STEAM SERVICE REPLACEMENTS, ALL ASSOCIATED STEAM STRUCTURES REPLACE AND STEAM ANCHORS. THE CONTRACTOR WILL ENSURE THAT COMPLETE AND SAFE ACCESS TO THE PROJECT SITE IS MADE AVAILABLE TO THE SPECIALTY CONTRACTOR. UPON REQUEST BY THE FACILITY OPERATOR REPRESENTATIVE AND IN WITH RESIDENT ENGINEER. THE CONTRACTOR MAY BE REQUIRED TO ASSIST THE FACILITY OPERATOR'S SPECIALTY CREWS (ELECTRIC, GAS, STEAM AND TELECOMMUNICATIONS) PERFORMING SPECIALTY WORK NOT INCLUDED IN CONTRACT BID ITEMS. THIS STEAM AND TELECOMMUNICATIONS) PERFORMING SPECIALTY WORK WILL BE PAID UNDER APPLICABLE JB ITEMS.
2. THE PRICE TO COVER FOR ALL JOINT BID ITEMS SHALL NOT INCLUDE ITEMS OF WORK WHICH ARE PAID FOR BY THE UTILITIES UNDER THE APPLICABLE SHARED COST ITEMS, INCLUDING, BUT NOT LIMITED TO, MPT ITEMS, TRAFFIC ENFORCEMENT AGENTS, FIELD OFFICE, ETC.
3. SPECIALTY WORK WHICH SHALL BE PERFORMED BY THE FACILITY OPERATOR(S) OR OTHERS HIRED BY THE FACILITY OPERATOR(S) SHALL INCLUDE BUT IS NOT BE LIMITED TO:

3.1 EMPIRE CITY SUBWAY

- A. RINGING AND RIPPING IRON/STEEL CONDUITS WHEN CABLES MUST BE REMOVED FROM THE CONDUITS SHALL BE PERFORMED BY ECS FORCES.
- B. ALL CABLE WORK - EX. PLACING, SPLICING, VERIFICATION OF LIVE/DEAD FACILITIES, FAILURES, ETC. - SHALL BE PERFORMED BY ECS TENANTS.

3.2 TIME WARNER CABLE (TWC)

- A. RINGING AND RIPPING IRON/STEEL CONDUITS WHEN CABLES MUST BE REMOVED FROM THE CONDUITS SHALL BE PERFORMED BY TWC FORCES.
- B. ALL CABLE WORK - EX. PLACING, SPLICING, VERIFICATION OF LIVE/DEAD FACILITIES, FAILURES, ETC. - SHALL BE PERFORMED BY TWC FORCES.

3.3 CABLEVISION

- A. RINGING AND RIPPING ANY CONDUIT CONTAINING AN ACTIVE "LIVE" CABLE SHALL BE PERFORMED BY CABLEVISION FORCES
- B. ALL CABLE WORK - EX. PLACING, SPLICING, VERIFICATION OF LIVE/DEAD FACILITIES, FAILURES, ETC. - SHALL BE PERFORMED BY CABLEVISION FORCES.



3.4 CON EDISON

- A. FREE, CLEAR, AND UNIMPEDED ACCESS TO ALL CON EDISON FACILITIES LOCATED INSIDE THE PROJECT LIMITS AND CONTRACTOR'S WORK ZONE/MPT SHALL BE DEEMED INCLUDED IN THE CONTRACT PRICES. NO ADDITIONAL PAYMENTS WILL BE FURNISHED FOR ACCESS TO THE SITE.
- B. UPON COMMENCEMENT OF THE WORK THE CONTRACTOR SHALL PROVIDE THE UTILITY OPERATOR, IN WRITING, THE NAME OF THE DESIGNATED ELECTRICALLY COMPETENT QUALIFIED MUNICIPAL CONTRACTOR EMPLOYEE.
- C. CON EDISON SHALL PERFORM ALL CABLE WORK - INSTALLATION, REMOVAL, SPLICING, AND VERIFICATION OF LIVE/ DEAD FACILITIES AND/OR FAILURE REPLACEMENTS.
- D. GAS WORK SHALL BE PERFORMED BY APPROVED AND QUALIFIED CONTRACTOR(S). THE CONTRACTOR(S) SHALL BE "GAS QUALIFIED CONTRACTOR(S)" AND/OR "GAS QUALIFIED SUB-CONTRACTOR(S)" AS DEFINED BY THE UTILITY OPERATOR(S). THE CONTRACTOR SHALL PERFORM INSTALLATION OF ALL TYPES OF GAS PIPING INCLUDING BUT NOT LIMITED TO CUTTING AND CAPPING GAS MAINS, LIVE GAS CONNECTIONS, SERVICE REPLACEMENTS, AND TESTING LIVE GAS MAINS, AS NEEDED.
- E. TRENCHING FOR GAS WORK WILL BE COVERED BY ITEM 6.09 UNDER THE EP-7 SPECIFICATIONS.
- F. DURING THE PERIOD FROM JUNE 1ST TO SEPTEMBER 15TH, SCHEDULING OF CON EDISON CABLE WORK WILL BE CONTINGENT UPON SYSTEM AND WEATHER CONDITIONS.
- G. DURING THE PERIOD FROM OCTOBER 1ST TO APRIL 15TH, SCHEDULING OF CON EDISON GAS AND STEAM WORK WILL BE CONTINGENT UPON SYSTEM AND WEATHER CONDITIONS.
- H. PERFORM ALL APPLICATION OF FIELD COATING AND WRAPPING ON OIL-O-STATIC FEEDER PIPES AT VARIOUS LOCATIONS, AS DIRECTED BY CON EDISON REPRESENTATIVES.



[illegible]



END OF ADDENDUM NO. 4

This Addendum consists of One Hundred and Six (106) pages.



**ATTACH TO CONTRACT DOCUMENTS**

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

**PROJECT ID: BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT**

**Together With All Work Incidental Thereto**

**BOROUGH OF BROOKLYN**

**ADDENDUM NO. 5**

**DATED: February 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.**

---

- (1) **Refer** to the Bid and Contract Documents, VOLUME 3 OF 3, Addendum No. 4, pages A4-100 and A4-105, GENERAL NOTES AND CONDITIONS, APPLICABLE CODES AND STANDARDS;  
**Add** the following subsection under note 6

"H. Con Edison Guideline for Safe Entry into Sub-Surface Structures (Electrical Enclosed Space), Removal of Conduit from Cables, and Moving Energized Underground Cables Performed by Municipal Contractors.

The document titled 'Con Edison Guideline for Safe Entry into Sub-Surface Structures (Electrical Enclosed Space), Removal of Conduit from Cables, and Moving Energized Underground Cables Performed by Municipal Contractors' shall be adhered to when performing interference work for Con Edison. The most updated version of the guideline is available at DDC and/or Con Edison Public Improvement Contact person identified in the utility section."

**END OF ADDENDUM NO. 5  
This Addendum consists of one (1) page.**



**NO TEXT ON THIS PAGE**



# ADDENDA CONTROL SHEET

PROJECT NO.: BEDA001

[illegible]



ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: BEDA001

FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT

Together With All Work Incidental Thereto

BOROUGH OF BROOKLYN

ADDENDUM NO. 6

DATED: March 25, 2015

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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.

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- (1) **Refer** to the Bid and Contract Documents, VOLUME 1 OF 3, BID SCHEDULE, pages B-3 to B-48;  
**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 3 OF 3, SPECIFICATIONS AND STANDARDS OF NEW YORK CITY, SPECIFICATIONS AND STANDARDS OF PRIVATE UTILITIES;  
**Delete** the following text:  
  
"1. JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN Issued: August 1, 2005".  
  
**Substitute** with the following text:  
  
"1. CET SPECIFICATIONS AND SKETCHES dated November 2010"  
  
- (3) **Refer** to the Bid and Contract Documents, VOLUME 3 OF 3, ADDENDUM NO. 2, pages A2-1 to A2-39;  
**Delete** all pages in their entirety;  
**Substitute** the words "(NO TEXT IN ADDENDUM NO. 2)".
- (4) **Refer** to the Bid and Contract Documents, VOLUME 3 OF 3, ADDENDUM NO. 4, pages A4-1 to A4-106;  
**Delete** all pages in their entirety;  
**Substitute** the words "(NO TEXT IN ADDENDUM NO. 4)".
- (5) **Refer** to the Bid and Contract Documents, VOLUME 3 OF 3, ADDENDUM NO. 5, page A5-1;  
**Delete** page A5-1 in its entirety;  
**Substitute** the words "(NO TEXT IN ADDENDUM NO. 5)".



By signing in the space provided below, the bidder acknowledges receipt of the two (2) pages of this Addendum plus twenty-eight (28) pages of attachments.

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

*Purnima Sharma*  
for **GURDIP SAINI, P.E.**  
Associate Commissioner/Design I

\_\_\_\_\_  
Name of Bidder

By: \_\_\_\_\_





3/25/2015 12:00 AM

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

CONTRACT PIN: 8502015WMM0008C  
PROJECT ID: BEDA001

## 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.

B - 3  
[REVISION # 1]



3/25/2015 12:00 AM

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

PROJECT ID: BEDA001

CONTRACT PIN: 8502015WM0008C

**BID SCHEDULE FORM**

COL 1 SEQ. NO	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
001	1.A50.31PC08 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS)	30.00	L.F.				
002	1.AA50.21P3C048D 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	30.00	L.F.				
003	1.B50.31PC08 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	55.00	L.F.				
004	1.BB50.21P3C048D 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	55.00	L.F.				
005	1.C50.31PC10 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	20.00	L.F.				



3/25/2015 12:00 AM

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

PROJECT ID: BEDA001

CONTRACT PIN: 8502015WMM0008C

## BID SCHEDULE FORM

COL. 1 SEQ. NO.	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
006	1.CC50.21P3C048D 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	100.00	L.F.				
007	1.D50.31PC10 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.				
008	1.E50.31PC10 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10)	100.00	L.F.				
009	1.F50.31PC12 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	30.00	L.F.				
010	1.G50.31PC12 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	150.00	L.F.				

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[REVISION # 1]



3/25/2015 12:00 AM

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

PROJECT ID: BEDA001

DIVISION OF INFRASTRUCTURE - BUREAU OF DESIGN

CONTRACT PIN: 8502015WM0008C

## BID SCHEDULE FORM

COL. 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
011	1.H50.31PC12 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	200.00	L.F.				
012	1.I50.31PC15 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	20.00	L.F.				
013	1.J50.31PC15 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.				
014	1.K50.31PC15 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	200.00	L.F.				
015	1.L50.31PC18 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	15.00	L.F.				



3/25/2015 12:00 AM

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

PROJECT ID: BEDA001

CONTRACT PIN: 8502015WWM0008C

## BID SCHEDULE FORM

COL. 1 SEQ. NO.	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
016	<b>1.M50.31PC18</b> 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.				
017	<b>1.N50.31PC18</b> 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	130.00	L.F.				
018	<b>1.O50.21P3C024D</b> 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	15.00	L.F.				
019	<b>1.P50.21P3C024D</b> 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.				
020	<b>1.Q50.21P3C024D</b> 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	110.00	L.F.				

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[REVISION # 1]



3/25/2015 12:00 AM

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

PROJECT ID: BEDA001

CONTRACT PIN: 8502015WM0008C

**BID SCHEDULE FORM**

COL. 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
021	1.R50.21P3C030D 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	15.00	L.F.				
022	1.S50.21P3C030D 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	50.00	L.F.				
023	1.T50.21P3C030D 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	100.00	L.F.				
024	1.U50.21P3C036D 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08)	15.00	L.F.				
025	1.V50.21P3C036D 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08)	45.00	L.F.				



3/25/2015 12:00 AM

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

PROJECT ID: BEDA001

CONTRACT PIN: 8502015WM0008C

**BID SCHEDULE FORM**

COL. 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
026	1.W50.21P3C036D 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10)	100.00	L.F.				
027	10.32A PHOTOGRAPHS	1,280.00	SETS				
028	4.02 AB-R ASPHALTIC CONCRETE WEARING COURSE, 1-1/2" THICK	16,000.00	S.Y.				
029	4.02 CA BINDER MIXTURE	2,500.00	TONS				
030	4.02 CB ASPHALTIC CONCRETE MIXTURE	770.00	TONS				
031	4.04 H CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH)	1,376.00	C.Y.				

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CONTRACT PIN: 8502015WM0008C

## BID SCHEDULE FORM

COL. 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
032	4.13 AAS 4" CONCRETE SIDEWALK (UNPIGMENTED)	500.00	S.F.				
033	4.13 BAS 7" CONCRETE SIDEWALK (UNPIGMENTED)	1,500.00	S.F.				
034	4.16 AA TREES REMOVED (4" TO UNDER 12" CALIPER)	2.00	EACH				
035	4.16 AB TREES REMOVED (12" TO UNDER 18" CALIPER)	2.00	EACH				
036	4.16 AC TREES REMOVED (18" TO UNDER 24" CALIPER)	2.00	EACH				
037	4.16 AD TREES REMOVED (24" CALIPER AND OVER)	2.00	EACH				



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**BID SCHEDULE FORM**

COL. 1 SEQ. NO.	COL. 2 ITEM NUMBER and DESCRIPTION	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	
				DOLLARS	CTS	DOLLARS	CTS
038	4.16 CA405 TREES PLANTED, 3" TO 3-1/2" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS	2.00	EACH				
039	4.18 A MAINTENANCE TREE PRUNING (UNDER 12" CAL.)	20.00	EACH				
040	4.18 B MAINTENANCE TREE PRUNING (12" TO UNDER 18" CAL.)	15.00	EACH				
041	4.18 C MAINTENANCE TREE PRUNING (18" TO UNDER 24" CAL.)	10.00	EACH				
042	4.18 D MAINTENANCE TREE PRUNING (24" CAL. AND OVER)	3.00	EACH				
043	4.21 TREE CONSULTANT	200.00	P/HR				

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## BID SCHEDULE FORM

COL. 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
044	50.21C3C042D 42" R.C.P. CLASS III COMBINED SEWER, ON CONCRETE CRADLE	290.00	L.F.				
045	50.21C3C048D 48" R.C.P. CLASS III COMBINED SEWER, ON CONCRETE CRADLE	290.00	L.F.				
046	50.21M3C042D 42" R.C.P. CLASS III STORM SEWER, ON CONCRETE CRADLE	290.00	L.F.				
047	50.21M3C048D 48" R.C.P. CLASS III STORM SEWER, ON CONCRETE CRADLE	290.00	L.F.				
048	51.21S0A1000V STANDARD MANHOLE TYPE A-1	29.00	EACH				
049	51.21S0B1000V STANDARD MANHOLE TYPE B-1	2.00	EACH				

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**BID SCHEDULE FORM**

COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	COL. 6
SEQ. NO	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES) DOLLARS : CTS	EXTENDED AMOUNT (IN FIGURES) DOLLARS : CTS
050	51.41S001 STANDARD CATCH BASIN, TYPE 1	24.00	EACH		
051	52.11D12 12" DUCTILE IRON PIPE BASIN CONNECTION	200.00	L.F.		
052	52.21V08 8" E.S.V.P. RISER FOR HOUSE CONNECTION	2.00	V.F.		
053	52.21V10 10" E.S.V.P. RISER FOR HOUSE CONNECTION	2.00	V.F.		
054	52.31V06P00 6" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER	10.00	EACH		
055	52.31V08P00 8" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER	4.00	EACH		

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**BID SCHEDULE FORM**

COL. 1 SEQ. NO.	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
056	53.11DR TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS	3,000.00	L.F.				
057	6.02 AAN UNCLASSIFIED EXCAVATION	1,300.00	C.Y.				
058	6.25 RS TEMPORARY SIGNS	13,000.00	S.F.				
059	6.26 TIMBER CURB	4,200.00	L.F.				
060	6.28 AA LIGHTED TIMBER BARRICADES	600.00	L.F.				
061	6.44 THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (4" WIDE)	800.00	L.F.				



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				DOLLARS	CTS	DOLLARS	CTS
062	6.52 CG CROSSING GUARD	4,350.00	P/HR				
063	6.55 SAWCUTTING EXISTING PAVEMENT	70,000.00	L.F.				
064	6.87 PLASTIC BARRELS	9,300.00	EACH				
065	60.11R520 FURNISHING AND DELIVERING 20-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 55)	2,700.00	L.F.				
066	60.11R606 FURNISHING AND DELIVERING 6-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	2,600.00	L.F.				
067	60.11R608 FURNISHING AND DELIVERING 8-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	20,500.00	L.F.				

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**BID SCHEDULE FORM**

COL. 1 SEQ. NO.	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
068	60.11R612 FURNISHING AND DELIVERING 12-INCH DUCTILE IRON RESTRAINED JOINT PIPE (CLASS 56)	6,000.00	L.F.				
069	60.12D06-IB LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN IMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	2,400.00	L.F.				
070	60.12D06-UB LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN UNIMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	400.00	L.F.				
071	60.12D08-IB LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN IMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	21,720.00	L.F.				
072	60.12D08-UB LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN UNIMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	1,350.00	L.F.				
073	60.12D12-IB LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN IMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	6,200.00	L.F.				

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				DOLLARS	CTS	DOLLARS	CTS
074	60.12D12-JB LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN UNIMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	400.00	L.F.				
075	60.12D20-IB LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS IN BROOKLYN (IN UNIMPROVED ROADWAY AND/OR SIDEWALK LOCATIONS)	2,970.00	L.F.				
076	60.13M0A24 FURNISHING AND DELIVERING DUCTILE IRON MECHANICAL JOINT 24-INCH DIAMETER AND SMALLER FITTINGS, INCLUDING WEDGE TYPE RETAINER GLANDS	61.00	TONS				
077	61.11DMM06 FURNISHING AND DELIVERING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	65.00	EACH				
078	61.11DMM08 FURNISHING AND DELIVERING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	65.00	EACH				

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COL. 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
079	61.11DMM12 FURNISHING AND DELIVERING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	17.00	EACH				
080	61.11DMM20 FURNISHING AND DELIVERING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	9.00	EACH				
081	61.11TWC03 FURNISHING AND DELIVERING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	20.00	EACH				
082	61.11TWC04 FURNISHING AND DELIVERING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	13.00	EACH				
083	61.11TWC06 FURNISHING AND DELIVERING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	10.00	EACH				



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				DOLLARS	CTS	DOLLARS	CTS
084	61.11TWC08 FURNISHING AND DELIVERING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	10.00	EACH				
085	61.11TWC12 FURNISHING AND DELIVERING 12-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	7.00	EACH				
086	61.12DMM06 SETTING 6-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	60.00	EACH				
087	61.12DMM08 SETTING 8-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	65.00	EACH				
088	61.12DMM12 SETTING 12-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	17.00	EACH				
089	61.12DMM20 SETTING 20-INCH MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	9.00	EACH				

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COL. 1 SEQ. NO.	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
090	61.12TWC03 SETTING 3-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	20.00	EACH				
091	61.12TWC04 SETTING 4-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	13.00	EACH				
092	61.12TWC06 SETTING 6-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	10.00	EACH				
093	61.12TWC08 SETTING 8-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	10.00	EACH				
094	61.12TWC12 SETTING 12-INCH WET CONNECTION TAPPING VALVE COMPLETE WITH WEDGE TYPE RETAINER GLANDS	7.00	EACH				
095	62.11SD FURNISHING AND DELIVERING HYDRANTS	60.00	EACH				



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				DOLLARS	CTS	DOLLARS	CTS
096	62.12SG SETTING HYDRANTS COMPLETE WITH WEDGE TYPE RETAINER GLANDS	60.00	EACH				
097	62.13RH REMOVING HYDRANTS	40.00	EACH				
098	62.14FS FURNISHING, DELIVERING AND INSTALLING HYDRANT FENDERS	120.00	EACH				
099	63.11VC FURNISHING AND DELIVERING VARIOUS CASTINGS	200.00	TONS				
100	64.11EL WITHDRAWING AND REPLACING HOUSE SERVICES USING 1-1/2- INCH OR LARGER SCREW TAPS	60.00	EACH				
101	64.11ST WITHDRAWING AND REPLACING HOUSE SERVICES USING SMALLER THAN 1-1/2-INCH SCREW TAPS	600.00	EACH				

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COL 1 SEQ. NO	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
102	64.12ESEG EXTENDING HOUSE SERVICE WATER CONNECTIONS (EQUAL TO OR GREATER THAN 3-INCH DIAMETER)	65.00	L.F.				
103	64.12ESLT EXTENDING HOUSE SERVICE WATER CONNECTIONS (LESS THAN 3- INCH DIAMETER)	455.00	L.F.				
104	64.13WC08 FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 8-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	20.00	EACH				
105	64.13WC12 FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 12-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	20.00	EACH				
106	64.13WC20 FURNISHING, DELIVERING AND INSTALLING WET CONNECTION SLEEVE ON 20-INCH WATER MAIN PIPE WITH VARIOUS OUTLETS	10.00	EACH				
107	65.11BR FURNISHING, DELIVERING AND INSTALLING BANDS, RODS, WASHERS, ETC., COMPLETE, FOR RESTRAINING JOINTS	1,600.00	LBS.				

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COL 1 SEQ. NO	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
108	65.21PS FURNISHING AND PLACING POLYETHYLENE SLEEVE Unit price bid shall not be less than: \$ 0.50	1,200.00	L.F.				
109	65.31FF FURNISHING, DELIVERING AND PLACING FILTER FABRIC Unit price bid shall not be less than: \$ 0.15	20,130.00	S.F.				
110	65.71SG FURNISHING, DELIVERING AND PLACING SCREENED GRAVEL OR SCREENED BROKEN STONE BEDDING	250.00	C.Y.				
111	7.13 B MAINTENANCE OF SITE Unit price bid shall not be less than: \$ 4,000.00	12.00	MONTH				
112	7.36 PEDESTRIAN STEEL BARRICADES	24,014.00	L.F.				
113	70.21DK DECKING	100.00	S.Y.				

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COL 1 SEQ. NO	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES) DOLLARS : CTS	COL 6 EXTENDED AMOUNT (IN FIGURES) DOLLARS : CTS
114	70.31FN FENCING Unit price bid shall not be less than: \$ 1.75	3,555.00	L.F.		
115	70.51EO EXCAVATION OF BOULDERS IN OPEN CUT Unit price bid shall not be less than: \$ 75.00	50.00	C.Y.		
116	70.61RE ROCK EXCAVATION	50.00	C.Y.		
117	70.71SB STONE BALLAST Unit price bid shall not be less than: \$ 15.00	145.00	C.Y.		
118	70.91SW12 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 12-INCH IN DIAMETER AND LESS	600.00	S.F.		
119	70.91SW20 FURNISHING AND PLACING SHEETING AND BRACING IN TRENCH FOR WATER MAIN PIPE 20-INCH IN DIAMETER	1,300.00	S.F.		

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COL. 1 SEQ. NO.	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE ( IN FIGURES )		COL. 6 EXTENDED AMOUNT ( IN FIGURES )	
				DOLLARS	CTS	DOLLARS	CTS
120	73.11AB ADDITIONAL BRICK MASONRY Unit price bid shall not be less than: \$ 62.50	2.00	C.Y.				
121	73.21AC ADDITIONAL CONCRETE Unit price bid shall not be less than: \$ 87.50	30.00	C.Y.				
122	73.31AE0 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (ALL DEPTHS) Unit price bid shall not be less than: \$ 20.00	1,000.00	C.Y.				
123	73.31AE2 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 12' TO 16' DEPTH) Unit price bid shall not be less than: \$ 15.00	340.00	C.Y.				
124	73.31AE3 ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 16' TO 20' DEPTH) Unit price bid shall not be less than: \$ 20.00	80.00	C.Y.				
125	73.41AG ADDITIONAL SELECT GRANULAR BACKFILL Unit price bid shall not be less than: \$ 15.00	6,000.00	C.Y.				

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COL 1 SEQ. NO	COL 2 ITEM NUMBER and DESCRIPTION	COL 3 ENGINEER'S ESTIMATE OF QUANTITY	COL 4 UNIT	COL 5 UNIT PRICE (IN FIGURES)		COL 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
126	73.51AS ADDITIONAL STEEL REINFORCING BARS Unit price bid shall not be less than: \$ 1.00	218.00	LBS.				
127	9.32 REINFORCED SILT FENCE WITH STAKED HAY BALES	1,000.00	L.F.				
128	DSS014A1 CLEANING OF SEWER (LESS THAN 24" DIAMETER).	2,000.00	L.F.				
129	DSS014A2 CLEANING OF SEWER (24" TO 48" DIAMETER).	1,500.00	L.F.				
130	DSS014B CLEANING OF MANHOLE	15.00	EACH				
131	UTL-6.01.1 GAS MAIN CROSSING SEWER UP TO 24" IN DIAMETER (\$6.01) Unit price bid shall not be less than: \$ 1,040.00	10.00	EACH				



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				DOLLARS	CTS	DOLLARS	CTS
132	UTL-6.01.2 GAS MAIN CROSSING SEWER 30" IN DIAMETER (\$6.01) Unit price bid shall not be less than: \$ 1,770.00	2.00	EACH				
133	UTL-6.01.3 GAS MAIN CROSSING SEWER 36" THRU 42" IN DIAMETER (\$6.01) Unit price bid shall not be less than: \$ 2,040.00	2.00	EACH				
134	UTL-6.01.4 GAS MAIN CROSSING SEWER 48" THRU 54" IN DIAMETER (\$6.01) Unit price bid shall not be less than: \$ 2,120.00	2.00	EACH				
135	UTL-6.01.8 GAS SERVICES CROSSING TRENCHES AND/OR EXCAVATIONS (\$6.01) Unit price bid shall not be less than: \$ 465.00	100.00	EACH				
136	UTL-6.01.9 GAS MAIN CROSSING WATER MAIN UP TO 20" IN DIAMETER (\$6.01) Unit price bid shall not be less than: \$ 485.00	50.00	EACH				
137	UTL-6.02 EXTRA EXCAVATION FOR THE INSTALLATION OF CATCH BASIN SEWER DRAIN PIPES WITH GAS INTERFERENCES (\$6.02) Unit price bid shall not be less than: \$ 715.00	10.00	EACH				

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[REVISION # 1]



3/25/2015 12:00 AM

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

PROJECT ID: BEDA001

CONTRACT PIN: 8502015WWM0008C

**BID SCHEDULE FORM**

COL. 1 SEQ. NO	COL. 2 ITEM NUMBER and DESCRIPTION	COL. 3 ENGINEER'S ESTIMATE OF QUANTITY	COL. 4 UNIT	COL. 5 UNIT PRICE (IN FIGURES)		COL. 6 EXTENDED AMOUNT (IN FIGURES)	
				DOLLARS	CTS	DOLLARS	CTS
138	UTL-6.03 REMOVAL OF ABANDONED GAS FACILITIES. ALL SIZES. (\$6.03) Unit price bid shall not be less than: \$ 15.00	4,000.00	L.F.				
139	UTL-6.03.1 REMOVAL OF ABANDONED GAS FACILITIES WITH POSSIBLE COAL TAR WRAP. ALL SIZES. (\$6.03) Unit price bid shall not be less than: \$ 25.00	100.00	L.F.				
140	UTL-6.04 ADJUST HARDWARE TO GRADE USING SPACER RINGS/ADAPTORS. (STREET REPAVING.) (\$6.04) Unit price bid shall not be less than: \$ 35.00	150.00	EACH				
141	UTL-6.05 ADJUST HARDWARE TO GRADE BY RESETTING. (ROAD RECONSTRUCTION.) (\$6.05) Unit price bid shall not be less than: \$ 65.00	150.00	EACH				
142	UTL-6.06 SPECIAL CARE EXCAVATION AND BACKFILLING (\$6.06) Unit price bid shall not be less than: \$ 180.00	2,000.00	C.Y.				
143	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) (\$6.06A) Unit price bid shall not be less than: \$ 230.00	100.00	C.Y.				

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[REVISION # 1]



3/25/2015 12:00 AM

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

PROJECT ID: BEDA001

CONTRACT PIN: 8502015WM0008C

## BID SCHEDULE FORM

COL. 1	COL. 2	COL. 3	COL. 4	COL. 5	COL. 6
SEQ. NO	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES) DOLLARS : CTS	EXTENDED AMOUNT (IN FIGURES) DOLLARS : CTS
144	UTL-6.07 TEST PITS FOR GAS FACILITIES (\$6.07) Unit price bid shall not be less than: \$ 100.00	100.00	C.Y.		
145	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	500.00	C.Y.		
146	UTL-GCS-2WS GAS INTERFERENCES AND ACCOMMODATIONS PRICE BID SHALL BE FOR THE FIXED SUM OF \$ 100,000.00	1.00	F.S.	100,000 : 00	100,000 : 00

SUB-TOTAL: \$

147	6.39 A MOBILIZATION BID PRICE OF MOBILIZATION SHALL NOT EXCEED 4% OF THE ABOVE SUB-TOTAL PRICE.	1.00	L.S.		
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[REVISION # 1]



3/25/2015 12:00 AM

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

PROJECT ID: BEDA001

CONTRACT PIN: 8502015WM0008C

## BID SCHEDULE FORM

COL 1	COL 2	COL 3	COL 4	COL 5	COL 6
SEQ. NO	ITEM NUMBER and DESCRIPTION	ENGINEER'S ESTIMATE OF QUANTITY	UNIT	UNIT PRICE (IN FIGURES ) DOLLARS : CTS	EXTENDED AMOUNT (IN FIGURES ) DOLLARS : CTS

TOTAL BID PRICE: \$ \_\_\_\_\_

PLEASE BE SURE A LEGIBLE BID IS ENTERED FOR EACH ITEM.  
THE BIDDER SHALL INSERT THE TOTAL BID PRICE IN  
THE BID FORM ON PAGE C-4 OF THIS BID BOOKLET.



## ADDENDA CONTROL SHEET

PROJECT NO.: BEDA001

TITLE: CONSTRUCTION OF ACCELERATED WATER MAIN  
REPLACEMENT AND SEWER REHABILITATION AND  
REPLACEMENT

[illegible]



**ATTACH TO CONTRACT DOCUMENTS**

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

**PROJECT ID: BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT**

**Together With All Work Incidental Thereto**

**BOROUGH OF BROOKLYN**

**ADDENDUM NO. 7**

**DATED: March 25, 2015**

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**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.**

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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. SPECIFIC PROVISIONS FOR WATER MAIN WORK
- B. NOTICE TO BIDDERS
- C. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS
- D. AMENDMENTS TO THE STANDARD SEWER AND WATER MAIN SPECIFICATIONS
- E. AMENDMENTS TO THE SPECIFICATIONS FOR TRUNK MAIN WORK



**A. SPECIFIC PROVISIONS FOR WATER MAIN WORK****SPW-1 DESCRIPTION OF WORK**

This is a Borough-wide annual contract to install water mains in connection with new building construction, or to improve the City's water main distribution system pertaining to water quality and fire protection on an as needed basis. Contract drawings/plans showing new water main work are not issued with this contract, but will be furnished to the Contractor with each Task Order, for the duration of this contract.

Work by Others - In the event there is need for required services in the borough(s) designated in the contract, the Commissioner reserves the right not to issue a task order to the Contractor and to have the work performed by another contractor, or by City employees, if the Commissioner, in the Commissioner's sole opinion, determines that the Contractor may be unable to satisfactorily provide the required services in a timely fashion.

**SPW-2 WORK TO BE DONE UNDER THIS CONTRACT**

Under this contract the Contractor may be required to install water mains in connection with new building construction. The Contractor may also be required to install water mains to improve the City's water distribution system, replace existing water mains requiring tap transfers or to cut in additional fire hydrants as deemed needed to existing water mains. The Contractor may be further required to replace existing nonfunctioning and/or defective fire hydrants on existing water mains, replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains and/or replace existing nonfunctioning and/or defective valves on existing water mains.

The Contractor shall be prepared to report to any designated location in accordance with Section SPW-4 - Issuance of Task Orders.

It shall be the Contractor's responsibility to obtain any and all permits needed to do the work under this contract, which shall include, but not be limited to, permits obtained from the Department of Transportation (Bureau of Traffic Operations), Police Department, Fire Department and the Transit Authority.

The Contractor is required to give twenty-four (24) hours prior notice before the start of the work in a manner satisfactory to the Engineer, to the Transit Authority, Department of Transportation (Bureau of Traffic Operations), Police Department and Fire Department so that proper arrangements can be made for maintaining traffic during the course of the work.

The attention of the Contractor is also called to the fact that under this type of contract, the City is not able to determine accurately in advance the quantity of each size of pipe and appurtenances that will be required to be installed as the quantities are dependent upon applications for water service to new buildings over which the City has no control.

The quantities of work set forth herein are only an estimate; they are not a guarantee of work and are included solely for the purpose of bid computation.

The City, however, will endeavor with each task order to have drawings/plans available for the Contractor to install the pipe quantities herein specified, as measured along the axes of the pipes in place and no allowance will be made if the quantities of the various sizes of pipe and appurtenances differ from that as specified.

At the conclusion of the contract, any task orders furnished to the Contractor in which work has not already commenced will be deleted from the contract. No additional compensation shall be made to the Contractor for these deleted locations. However, the Contractor may request from the Engineer to work beyond the expiration date of the contract provided there are sufficient funds and quantities of all necessary items to complete the required work. No extra allowance other than an extension of time will be granted to the Contractor to complete the proposed work.



The attention of the Contractor is also called to the fact that the duration of the contract is three hundred sixty-five (365) days and that the City does not guarantee or stipulate that the pipe laying work will be continuous.

The Contractor may be required to install water mains, including hydrants and appurtenances, and perform all excavations/restorations, etc. at various locations, in the borough. The Contractor will also be required to cut in additional fire hydrants as deemed needed to existing water mains, replace existing nonfunctioning and/or defective fire hydrants on existing water mains, replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains and/or replace existing nonfunctioning and/or defective valves on existing water mains. Task orders together with drawings/plans will be issued to the Contractor by the Commissioner or the Commissioner's duly authorized representative as applications warrant.

### SPW-3 WORK COMMENCEMENT AFTER RECEIVING TASK ORDER

Following the execution of the contract, water main installation drawings/plans will be issued with each task order to the Contractor by the Commissioner or the Commissioner's duly authorized representative. The water main drawings/plans will be issued to the Contractor as applications for water service to new buildings needs, distribution/fire protection needs, water quality needs and/or service needs which may warrant water main and/or appurtenance installations.

Based upon past experience, the following are approximate proportions of the total footage of pipe installed in various streets of contract, over six (6) month periods:

<u>Installation in Streets</u>	<u>Proportion</u>
75' to 150' in length	2%
151' to 300' in length	15%
301' to 500' in length	17%
501' and longer in length	66%

The City shall not be held responsible should these percentages differ for the work to be done under this contract.

As such, this contract may include the installation or replacement of hydrants and valves, as required, and spot repairs with minimal, if any, pipe replacement. The work of installing or replacing hydrants and valves shall include but not be limited to the following:

#### For Replacing Existing Fire Hydrants:

(a) On Cast Iron Water Mains: Replace fire hydrant, 6-inch gate valve, 6-inch hydrant pipe connection and hydrant valve box to existing water main. Also, replace three-way connection on existing main and lengths of water main pipe for pipe restraint on each side of the three-way in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.

(b) On Ductile Iron Water Mains: Replace fire hydrant and 6-inch hydrant pipe connection to the outlet of the existing hydrant gate valve. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.

#### For Replacing Existing Air Cock Hydrants:

On All Trunk Mains: Replace air cock hydrant and 6-inch hydrant pipe connection to the outlet of the existing hydrant gate valve. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.

#### For Installing A New Fire Hydrant To An Existing Main:

On All Water Mains: Install fire hydrant, 6-inch gate valve, 6-inch hydrant pipe connection, hydrant valve box, install three-way connection on existing main and lengths of water main pipe for pipe restraint on each side of the three-way in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.



For Replacing Existing Gate Valves:

On All Water Mains: Replace gate valve, valve box and lengths of water main pipe for pipe restraint on each side of the valve in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also reconstruct sidewalk, curb and roadway areas as required.

For Installing A New Gate Valve On An Existing Main:

On All Water Mains: Install gate valve, valve box and lengths of water main pipe for pipe restraint on each side of the valve in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also reconstruct sidewalk, curb and roadway areas as required.

**SPW-4 ISSUANCE OF TASK ORDERS**

- (A) **GENERAL:** The Contractor shall, for the duration of this contract, provide services as directed by the Engineer to install water mains in connection with new building construction, or to improve the City's water main distribution system pertaining to water quality and fire protection on an as needed basis, in accordance with the terms and conditions set forth herein.
- (B) **TRANSMISSION OF TASK ORDERS:**
- (1) The Engineer shall advise the Contractor of the need for services by issuing Task Orders to the Contractor as set forth in **paragraph (C)** below. The Engineer shall send Task Orders to the Contractor by e-mail, fax, or by telephone promptly confirmed by e-mail and/or fax.
  - (2) The Contractor shall, for the duration of this contract, provide and maintain at its place of business a dedicated telephone line, a dedicated e-mail address and a dedicated fax line for the receipt of Task Orders hereunder. The e-mail and fax machine shall be in operation twenty-four (24) hours per day, seven (7) days per week, for the duration of this contract. The Contractor shall not be entitled to any compensation for the provision of such equipment. All expenses for the required telephone, e-mail and fax lines shall be deemed included in the unit prices bid for all items in this contract.
- (C) **TASK ORDER:** When the need for services arises, the Engineer shall issue a Task Order to the Contractor together with drawings/plans. The Task Order shall specify the items set forth below:
- (1) Description and Location of the Project
  - (2) Length of Work
  - (3) Services to be Performed (install water mains in connection with new building construction, install water mains to improve the City's water main distribution system, replace existing water mains requiring tap transfers, to cut in additional fire hydrants on existing water mains, to replace existing nonfunctioning and/or defective fire hydrants on existing water mains, to replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains, replace existing nonfunctioning and/or defective valves on existing water mains, etc.)
  - (4) Completion Time (consecutive calendar days for completing work on each task order)
- (D) Time is of the essence as the public health and safety are involved. Accordingly, the Contractor shall perform the work at each and every ordered location promptly and diligently, using such means and methods of work as will assure its expeditious and satisfactory completion without delay. In light of the difficulty of ascertaining the amount of the City's damages in the event that the Contractor does not complete a task order within the time specified by the Engineer, the Contractor shall be assessed the amount stipulated in Schedule "A" for each consecutive calendar day over the completion time specified in each issued written task order, as and for liquidated damages and not as a penalty for failure to complete a task order within the time specified.
- (E) **PERSONNEL:** The Contractor shall provide adequate personnel and equipment at each ordered location. Prior to the start of work the Engineer shall approve such personnel and equipment. The Engineer reserves the right to determine the personnel and equipment required to adequately and



properly carry out the intent of this contract. The Contractor must be prepared to provide adequate personnel and equipment to perform the services specified herein at up to three (3) concurrent sites.

- (F) **NO RIGHT TO REFUSE:** The Contractor shall have no right to reject or decline to perform any Task Order issued under this contract. However, if the Contractor is unable to begin the required work for any reason, the Contractor shall so notify the Engineer by telephone as soon as possible, such notifications to be followed by an explanation in writing as to the reasons why the Contractor is unable to begin the required work.
- (G) **SUPPLEMENTARY TASK ORDERS:** The Contractor shall perform only the work specifically ordered by the Engineer in the written Task Order. The Department of Design and Construction reserves the right to order additional work through Supplementary Task Orders issued by the Engineer, as the work on the original Task Order progresses.

#### **SPW-5 EXAMINATION AND VIEWING OF SITE, ETC.**

In Contract Book, Volume 2 of 3, INFORMATION FOR BIDDERS, Page 2, Section 8 - Examination and Viewing of Site, Consideration of Other Sources of Information and Changed Conditions, DELETE Paragraph (A), in its entirety and **SUBSTITUTE** the following:

"(A) Contractor (Investigation) Viewing of Sites - The Contractor after issuance of task order from the Commissioner or duly authorized representative must carefully view and examine the site of the proposed work, as well as its adjacent areas, and seek other usual sources of information, for the Contractor will be conclusively presumed to have full knowledge of any and all conditions on, about or above the sites relating to or affecting in any way the performance of the work to be done under this contract which were or should have been indicated to a reasonably prudent Contractor. Upon examination of the sites and/or from other usual sources of information, the Contractor finds conditions that are unusual, and may materially affect the cost of the work to be done under this contract, the Contractor shall follow the procedure specified in INFORMATION FOR BIDDERS, Page 2, Section 8, Paragraph (B)."

#### **SPW-6 GUARANTEED MINIMUM**

In the event the Contractor is not issued any Task Orders hereunder, the City agrees to pay, and the Contractor agrees to accept, a minimum fee of two thousand dollars (\$2,000.00). The Contractor further agrees that under such circumstances, the Contractor has no action for damages or for loss of profits against the City.



**B. NOTICE TO BIDDERS**

- (1) The Contractor is advised that the duration of the contract is one (1) year from the date of Order to Commence Work.
- (2) (A) The Contractor is advised that copies of the Standard Sewer And Water Main Specifications (dated July 1, 2014), Sewer Design Standards (dated (September 2007) Revised January 2009), Specifications For Trunk Main Work (dated July 2014) and Water Main Standard Drawings (latest revisions) are available to all prospective bidders at no cost upon presentation of receipt of purchase of Bid Package at the following location:

Department of Design and Construction  
Division of Infrastructure  
Design Services, Specifications, 3<sup>rd</sup> Floor  
30-30 Thomson Avenue  
Long Island City, NY 11101

(B) The Contractor is advised that copies of the Standard Highway Specifications (Volume I and II) (dated November 1, 2010), Standard Highway Details of Construction (latest revisions), Division of Street Lighting Specifications (latest revisions), Division of Street Lighting Standard Drawings (latest revisions), Standard Specifications for Traffic Signals (latest revisions), and Standard Drawings for Traffic Signals (latest revisions) are available to all prospective bidders for a fee at the following location:

Department of Transportation  
55 Water Street, Ground Floor  
New York City, NY 10041

- (3) 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.
- (4) 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.
- (5) 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.
- (6) 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.
- (7) 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 1<sup>st</sup>, April 1<sup>st</sup>, July 1<sup>st</sup> and September 1<sup>st</sup>) 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.

- (8) The Contractor is responsible for any damage to the existing street and traffic signal equipment, including underground conduits and the safety of both pedestrian and vehicular traffic for the duration of the contract.

Should any conduits, cables or foundations need repair due to the Contractor's negligent operations during construction, all work shall be performed according to NYCDOT Bureau of Traffic's Standard Drawings and Specifications at the sole expense of the Contractor.

It is the Contractor's responsibility to secure an approved electrical contractor to perform all traffic signal work (if any). For list of approved electrical contractors, contact Mr. Michael R. LeFosse of New York City Department of Transportation at (718) 786-2236.

- (9) (A) There is no provision for "ENGINEER'S FIELD OFFICE" in this contract, as per **New York City Department of Transportation (NYCDOT) Standard Highway Specifications Section 6.40 - Engineer's Field Office.**

- (10) The Contractor will be required to prepare and submit "**As Built**" sewer record drawings to the Engineer for approval, at the completion of each installation. Drawings submitted at the completion of the entire contract after all installations shall not be accepted. Approved "**As Built**" drawings shall be delivered to the Department of Environmental Protection, Chief of Emergency Construction, 59-17 Junction Boulevard, 6th Floor - High Rise, Corona, New York, 11368, Tel. No. (718) 227-1868. The following guideline is provided for the preparation of "**As Built**" sewer record drawings:

(A) Drawings shall be prepared for each individual unrelated location. The drawings shall be submitted in CADD format on CD's along with a plotted Mylar for each location drawing. The drawings on CD's and the plotted Mylar's shall be legal size (8-1/2" x 14"). The Mylar shall be 3-mil in thickness.

(B) The "**As Built**" drawings shall conform to Department of Environmental Protection (DEP) Emergency Construction Drawings (ECD). A sample copy of the ECD may be obtained at the above office together with DEP guidelines. These DEP guidelines are summarized below:

- (1) Drawings shall consist of the same legend and layout of title boxes shown on the sample ECD drawing.
- (2) Drawings shall consist of a location plan view on one sheet. The location plan view shall be drawn Not-To-Scale.
- (3) Drawings shall contain a note making reference to the datum used. (Datum used shall be that of the Borough where the sewer is located.)
- (4) Each plotted Mylar drawing shall contain the signature and stamp of the Contractor's NYS Professional Engineer/Registered Architect.
- (5) The location plan view shall include:
  - (a) street name and two (2) crossing streets or distance from;
  - (b) north arrow;
  - (c) property lines and widths;
  - (d) curb lines and widths;
  - (e) sewers, manholes, catch basins, connections (No horizontal bends allowed on sewer lines);
  - (f) sewer sizes, materials (ESVP, RCP, DIP, etc.), and types (New, Existing, Sanitary, Storm, Combined, etc.);
  - (g) sewer length (between centerlines of manholes);
  - (h) sewer flow direction;
  - (i) offsets of sewer lines or extensions from property lines (not curb lines);
  - (j) foundations (concrete cradle, stone ballast, piles, etc.);
  - (k) manholes types (Precast, Concrete, Brick, A-1, A-2, etc.);
  - (l) manhole elevations (both rim and invert);



- (m) manhole stationing along installed sewers;
  - (n) catch basins types (Type 1, Type 2, etc.);
  - (o) catch basin connections;
  - (p) show actual number of manholes and catch basins;
  - (q) house connection spurs (stations and locations);
  - (r) address of house connections (new connections and reconnections);
  - (s) house connection information at curb (station, length, depth and offset from the curb);
  - (t) details of non-standard structures or appurtenances constructed;
  - (u) location of all existing and installed offset distances from property lines;
  - (v) for shotcreted sewers (thickness and reinforcement of shotcreting); and
  - (w) all appropriate notes.
- (6) Examples of notes that can be used are as follows:
- (a) Unless otherwise noted, all house connections are 6" ESVP;
  - (b) Unless otherwise noted, all catch basins are Standard Type 1;
  - (c) Unless otherwise noted, all new curb connections are at a depth of approximately 8-feet at the curb and are 2-feet inside the curb line;
  - (d) Unless otherwise noted, all built manholes are brick;
  - (e) Unless otherwise noted, all catch basin connections are 12" DIP on crushed stone;
  - (f) unless otherwise noted, all ESVP sewers are installed on 6" concrete cradle;
  - (g) Pipe lengths are measured from inside face of manhole to inside face of manhole.

(C) The cost of preparing and submitting "As Built" approved drawings shall be deemed included in the prices bid for all scheduled bid items in the contract. No separate or additional payment will be made for this work.

- (11) The Contractor will be required to prepare and submit "As-Built" water main record drawings to the Engineer for approval, at the completion of each installation. Drawings submitted at the completion of the entire contract after all installations shall not be accepted. Approved "As-Built" drawings shall be delivered to the Department of Environmental Protection, Chief of Emergency Construction, 59-17 Junction Boulevard, 6th Floor - High Rise, Corona, New York, 11368, Tel No. (718) 227-1868. The following guideline is provided for the preparation of "As-Built" water main record drawings:

(A) Drawings shall be prepared for each individual unrelated location. The Contractor shall prepare the "As-Built" drawings on AutoCAD and shall provide to the City two (2) sets of Mylar and AutoCAD files on a CD for each location drawing. For Trunk Mains - The drawings shall be on CD's and the plotted Mylar's shall conform to the standard size of 22" x 36" (559-mm. x 914-mm.) using a 1"=30' (1:360) horizontal and 1"=10' (1:120) vertical scale. The Mylar shall be 3-mil in thickness. For Distribution Mains - The drawings shall be on CD's and the plotted Mylar's shall be field card size 6" x 4". The Mylar shall be 3-mil in thickness. Two (2) copies on regular field card stock paper shall also be provided.

(B) The "As-Built" drawings shall conform to Department of Environmental Protection (DEP) Emergency Construction Drawings (ECD). A sample of the ECD may be obtained at the above office together with DEP guidelines. These guidelines are summarized below:

- (1) Drawings shall consist of the same legend and layout of title boxes shown on the contract drawings.
- (2) Each plotted Mylar drawing shall contain the signature and stamp of the Contractor's NYS Professional Engineer/Registered Architect.
- (3) The drawings shall include:
  - (a) street name and crossing street(s) or distance from;
  - (b) north arrow;
  - (c) property lines and widths;
  - (d) legal and existing street widths, street alignment and grades;
  - (e) "new" curb lines and widths;
  - (f) water main center line measured off the "new" curb line;



- (g) horizontal stationing for all valves, hydrants, outlets, blow-offs, house service connections, etc., measured on a horizontal line as established by the Borough Office Bureau of Topographic;
- (h) alignment and appurtenance location stationing, and deflection angles;
- (i) cover and elevations (Datum used shall be that of the Borough where work is located);
- (j) location of pipe joints;
- (k) profile of all piping;
- (l) complete details of all outlet piping roundabouts;
- (m) complete details of all blow-off connections to the sewer;
- (n) complete details of all air cocks;
- (o) location of taps and access manholes;
- (p) location of all cathodic protection stations;
- (q) Venturi sensing lines plans and profiles;
- (r) all appropriate notes.

(C) The cost of preparing and submitting "As Built" approved drawings shall be deemed included in the prices bid for all scheduled bid items in the contract. No separate or additional payment will be made for this work.

(12) Any spot repair shall mean that the existing sewer at locations shall be replaced in the kind to the extent as specified by the Engineer.

(13) The cost of sewer replacement under spot repair shall be deemed included in the price bid for item Nos. 1.A50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS), Item No. 1.B50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.C50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.D50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.E50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10), Item No. 1.F50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.G50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.H50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.I50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.J50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.K50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.L50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.M50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.N50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.O50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.P50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO.



1.B50.31PC08), Item No. 1.Q50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.R50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.S50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.T50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.U50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.V50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.W50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.X50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.Y50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Z50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.AA50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.BB50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), and Item No. 1.CC50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10).

- (14)The Contractor shall be required to televise the condition of existing sewers between the adjoining existing/new manholes before and after the spot repair work is completed. The cost of the TV inspection shall be deemed included in the price bid for item No. 53.11DR – TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS.
- (15)The Contractor is notified that at some locations there presently exists sewers, manholes, water mains, etc., which are to remain undisturbed and are in close proximity to the line of the proposed work. The Contractor shall exercise extreme care, minimize the trench width of the proposed sewers and take all necessary precautions in placing sheeting and during excavation of the trenches to prevent any damage to the existing structures, pavement, curbs, and sidewalks that are to remain while working adjacent to them. Should any damage occur to any portion of the existing structures that are to remain due to the Contractor's operations, the Contractor shall make all repairs to the existing structures to the satisfaction of and as directed by the Engineer. The cost of such repair shall be borne by the Contractor, at no cost to the City.



**C. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS**

- (1) Refer to Standard Highway Specifications Volume II (November 1, 2010), Page 544:  
Add the following new **Section 9.32**:

**SECTION 9.32 - Reinforced Silt Fence**

**9.32.1. DESCRIPTION OF WORK.** The Contractor shall furnish all materials, labor, equipment and incidentals necessary to construct a reinforced silt fence, comprised of a construction (limiting) fence, filter fabric, and staked hay bales, as specified herein.

Upon furnishing and installing the approved reinforced silt fence but prior to commencing any other work on-site, the Contractor shall notify the Engineer and arrange for an on-site inspection.

The reinforced silt fence shall be maintained in good condition and repaired as necessary by the Contractor during the construction and post-construction/site stabilization phases as directed by the Engineer.

**9.32.2. MATERIALS AND METHODS.**

(1) Construction (Limiting) Fence: The construction (limiting) fence shall be a welded wire fence with a minimum height of six (6) feet. The fence shall be constructed of wire fabric fastened to the middle rails and to vertical line posts.

Wire fabric shall be of No. 6 gauge wire with a mesh of approximately 2-inches. The upper edge of the fabric shall be twisted and barbed. The fabric shall be securely fastened to vertical line posts and middle rails by means of ties and spaced not more than 12-inches apart on rails and not more than 14 inches apart on line posts.

Post shall have the following nominal outside diameters and minimum weights per linear foot:

- (a) Line posts 2-1/2-inches @ 3.7-lbs.
- (b) End and corner posts 3-inches @ 5.8-lbs.
- (c) Middle rails 1-5/8-inches @ 2.3-lbs.

The construction (limiting) fence shall be located where directed. The fence shall be adjusted to avoid interference with trees and to maintain access.

Line posts shall be spaced not more than 6-feet on centers. Posts shall be securely set in the ground. Line posts shall extend at least 4-feet below finished grade. Post locations shall be adjusted to avoid tree roots as appropriate.

(2) Filter Fabric: Filter fabric shall be securely attached to the vertical line posts and wire fabric, and shall be situated between the wire fabric and staked hay bales.

The filter fabric shall be purchased and delivered in a continuous roll and cut on-site to the length of the barrier(s) to avoid the use of joints. Dimensions of the roll shall be thirty-six (36) inches by one hundred (100) feet in length. When joints are necessary, filter cloth shall be spliced together only at a line post, with a minimum 6-inch overlap, and securely sealed. The filter fabric shall meet NYSDOT specifications on same, and shall be fabric #2130 as manufactured by Mutual Industries Inc., 707 W. Grange Street, Philadelphia, PA 19120, or approved equivalent.

A trench shall be excavated approximately 4-inches wide and 4-inches deep along the line of posts and up slope from the barrier. The filter fabric shall be extending into the trench, the trench backfilled, and the soil compacted over the filter fabric.



Siltation fences shall be removed when they have served their useful purpose, but not before the up slope area has been permanently stabilized.

(3) Hay Bales: All hay bales shall be of straw, and shall be standard sized bales. Bales shall be placed in a single row, with ends of adjacent bales tightly abutting one another. Bales shall be placed up slope of the filter fabric, and shall at all times run parallel to the construction (limiting) fence and abut the filter fabric.

All bales shall be fiber-bound. No string bound hay bales are accepted. Hay bales shall be installed so that bindings are oriented around the sides rather than along the tops and bottoms of the bales in order to prevent deterioration of the bindings.

The hay bale barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a depth of 4-inches. After the bales are staked and chinked, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built up to 4-inches against the uphill side of the hay bale barrier.

Each bale shall be securely anchored by at least two stakes or steel reinforcing bars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes or reinforcing bars shall be driven deep enough into the ground to securely anchor the bales.

The gaps between bales shall be chinked (filled by wedging) with straw to prevent water from escaping between the bales. The Contractor shall scatter loose hay over the area immediately uphill from the straw bale barrier to increase barrier efficiency.

Hay bale barriers shall be removed when they have served their usefulness, but not before the up slope areas have been permanently stabilized.

**9.32.3. MAINTENANCE.** The reinforced silt fence shall be inspected periodically (at least once per week), or as directed by the Engineer. Any required repairs shall be made immediately.

Filter fabric shall be inspected at least once per week and immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately. Should the fabric decompose or become ineffective prior to the end of the expected usable life while the barrier is still necessary, the fabric shall be replaced promptly.

Hay bales shall be inspected at least once per week and immediately after each rainfall and at least daily during prolonged rainfall. Close attention shall be paid to the repair of damaged bales, end runs and undercutting beneath bales. Necessary repairs to barriers or replacement of bales shall be accomplished promptly. Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half foot deep in front of the hay bale. Any sediment deposits remaining in place after the hay bale barrier is no longer required shall be dressed to conform to the existing grade.

**9.32.4. MEASUREMENT.** The quantity to be measured for payment under this section shall be the total number of linear feet of Reinforced Silt Fence installed and maintained in accordance with the plans, specifications and directions of the Engineer. Each linear foot of Reinforced Silt Fence shall be comprised of the following three elements: a construction (limiting) fence, filter fabric and staked hay bales.

**9.32.5. PRICE TO COVER.** The unit bid price shall constitute full compensation for all labor, materials, equipment, and incidentals necessary to complete the work, including but not limited to the furnishing of all samples and tests as required, in accordance with the plans and specifications and to the satisfaction of the Engineer.

*Payment will be made under:*



**ADDENDUM NO. 7****PROJECT ID.: BEDA001**

Item No.	Item Description	Pay Unit
9.32	REINFORCED SILT FENCE WITH STAKED HAY BALES	L.F.



**D. 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**

There are CON EDISON facilities in the areas of reconstruction. The existing systems are comprised of underground ducts, service boxes, manholes, street lighting, utility poles, underground transformer vaults, etc. The Contractor shall notify CON EDISON within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Robert Mata, Section Manager Contract Administration and Inspection (Brooklyn), 118-29 Queens Boulevard, Room B206, Forest Hills, NY 11375, at (718) 275-2935.

(2) **NATIONAL GRID**

There are NATIONAL GRID facilities in the areas of reconstruction. The Contractor shall notify NATIONAL GRID within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Neville Jacobs Jr., (Brooklyn) at (718) 963-5612.

(3) **VERIZON**

There are VERIZON facilities in the areas of reconstruction. The Contractor shall notify VERIZON within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Ed Palmer, (Brooklyn) at (718) 977-8138.

(4) **TIME WARNER CABLE OF NEW YORK AND CABLEVISION**

There are TIME WARNER CABLE and CABLEVISION facilities in the areas of reconstruction. The Contractor shall notify TIME WARNER CABLE and CABLEVISION within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Paul Fucci, V.P., Technical Operations at (718) 888-4250 or Ed Vomero at (718) 888-4232.

- (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. James Garin, P.E., Director, Engineering at the Department of Environmental Protection, 59-17 Junction Blvd., 3rd floor low rise, Corona N.Y. 11368, within the initial response time specified at time of notification of the task order at each ordered location.

(2) **NEW YORK CITY FIRE DEPARTMENT**

**Special New York City Fire Department Requirements:**

- (a) Access must be maintained for emergency vehicles at all times.
- (b) Hydrants should be retained in service and accessible to the fullest extent feasible.
- (c) The Fire Department must be notified by the Bureau of Water Supply and Wastewater Collection forthwith when water mains and/or hydrants are placed out of service and in service.
- (d) If alarm boxes or alarm facilities are affected, the Bureau of Fire Communications must be notified immediately by the Contractor.



- (e) During the course of the work at several locations, the Contractor may be required to relocate and/or protect existing Fire Department subsurface facilities. The approximate location of Fire Department Facilities can be obtained by contacting the Bureau of Fire Communications.
- (f) All work on Fire Department facilities is to be done under direct Fire Department supervision, to the satisfaction of the Fire Department.
- (g) Standards and specifications for the work of replacing Fire Communications system are available for reference at the:

New York City Fire Department  
Bureau of Fire Communications  
9 Metrotech Center, 7th Floor  
Brooklyn, N.Y. 11201-3857  
Attention: Stephen M. Gregory  
Assistant Commissioner  
Bureau of Fire Communications

### (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 Boulevard, Long Island City, N.Y. 11101 at (718) 786-3550, within the initial response time specified at time of notification of the task order at each ordered location.

### (4) N.Y.C. DEPARTMENT OF PARKS AND RECREATION

#### Special Department Of Parks And Recreation Requirements:

Department of Parks and Recreation requirements for this contract are as follows and are considered as part of this contract. The Contractor's special attention is directed to the following:

- (a) Care shall be taken to protect all existing trees. The Contractor shall ensure that all trees are protected from construction damage, and shall perform all work as directed by the Borough Forester, the Engineer and the Tree Consultant. Trees damaged as a result of the Contractor's negligent construction operation shall be replaced in accordance with Subsection 10.06. The Contractor shall be liable for such damages and shall repair and replace such trees at own expense.
- (b) The Contractor shall prune all trees shown, specified or ordered before excavation begins. All pruning of limbs and roots of existing trees shall be performed by an Arborist or firm recognized as a tree surgery or pruning specialist with three (3) years experience. The Contractor must submit the qualifications of the Arborist or firm for approval by the Borough Forestry prior to the pruning operation. The Contractor is notified that a permit for pruning is required. All work shall be performed in accordance with Subsection 10.06.
- (c) Trees shall be protected in accordance with Subsection 10.06.
- (d) The Contractor shall not be permitted to operate auxiliary equipment that generates exhaust or other heat upward (i.e. generators and compressors), under the branches of trees where the branches are less than twenty-five (25) feet above the ground. The Contractor shall not be permitted to store, stockpile, lay down or store any construction material within any existing tree pit within the canopy of any tree, or within ten (10) feet of the tree trunk, whichever is greater.
- (e) All tree work requires a permit from the Parks Departments.
- (f) Hand excavation shall be required around existing fire hydrants to be removed, if the Borough Forester or the Engineer determines that such work shall cause damage to tree roots. No



separate or additional payment will be made for this hand excavation the cost shall be deemed included in the prices bid for all scheduled items.

(g) The Director of Borough Forestry of the Department of Parks and Recreation shall be notified at time of notification of the task order when such task order impacts trees and their root and canopy system. The applicable Borough Forestry Office is as follows:

Central Forestry: - 1234 Fifth Avenue, New York, NY 10029, Tel. No. (212) 360-1400

(5) N.Y.C. TRANSIT AUTHORITY

The Contractor shall notify the Transit Authority within the initial response time specified at time of notification of the task order by contacting Mr. John Malvasio, P.E., Director of Maintenance-Of-Way, 30 Livingston Street, Room 8044D, Brooklyn, New York, 11201, at (718) 694-1358 if any T.A. facility is within fifty (50) feet of the reconstruction work.

- (3) **Refer to Subsection 10.30 - Contractor To Provide For Traffic, Page I-15:**  
**Add** the following to **Subsection 10.30:**

(A) TRAFFIC STIPULATIONS:

The Contractor shall obtain all permits and traffic requirements from the Office of Construction Mitigation and Coordination (OCMC) prior to the start of work at any ordered location. The Contractors shall contact Nicolas Dagher at 212-839-9637 or John Martin at 212-839-9639, NYC Department of Transportation, Division of Engineering Control, 55 Water Street, 7<sup>th</sup> Floor, New York, NY 10041.

- (4) **Refer to Subsection 10.32 - Photographs, Page I-16:**  
**Delete** paragraphs number (7), (8) and (9) in their entirety:  
**Substitute** the following new paragraphs:

(7) The cost of the Photographer and for the taking and providing of all required photographs, negatives, etc., shall be deemed included in the unit price bid for Item No. 10.32A - PHOTOGRAPHS.

(8) No separate payment will be made for the expense of furnishing the required binders; the cost thereof shall be deemed included in the unit price bid for Item No. 10.32A - PHOTOGRAPHS.

(9) The Engineer reserves the right to reject any and all views that are not reasonably clear and definitive. No payment will be made for any rejected photographs, payment under Item No. 10.32A - PHOTOGRAPHS, shall be made only for those photographs that are accepted by the Engineer.

- (5) **Refer to Section 40.06 - Backfilling, Page IV-18:**  
**Delete** from this section, **Subsection 40.06.2(D) - CLEAN FILL** in its entirety:  
**Substitute** the following new **Subsection 40.06.2(D):**

(D) CLEAN FILL

- (1) Clean fill material for this contract shall be select granular fill ordered in writing by the Engineer where there is a deficiency of acceptable backfill. Select granular fill material shall be required in order to fill voids in the trenches and excavations, (For Sewers Trenches - from a point not less than two (2) feet above the top of sewers to the underside of the pavement as it existed at the start of the work; and, For Water Main Trenches - from a point not less than twelve (12) inches above the top of the barrel of the water main pipe to the underside of the pavement as it existed at the start of the work), caused by the removal of boulders, unsuitable backfill materials, existing sewers and associated sewer structures, and any other underground facilities or structures, and



shall be approved clean earth or sand of low silt and clay content (less than eight (8) percent passing No. 200 sieve), free from bricks, blocks, excavated pavement materials and debris, stumps, roots and other organic matter, as well as ashes, oil and other perishable or foreign matter and shall not contain particles larger than one quarter (1/4) inch in diameter.

- (2) This backfill shall be exclusive of the normal backfill required in the trenches and excavations for proposed sewers and associated sewer structures for which payment is included therein. Payment shall be made in accordance with **Subsection 40.06.6**.

(6) **Refer to Section 40.06 - Backfilling, Page IV-18:**

**Delete** from this section, paragraphs (B) and (C) of **Subsection 40.06.6 - Deficiency Of Backfill Material** in their entirety:

**Substitute** the following new paragraphs:

(B) For providing acceptable select granular fill (whether natural or processed) to satisfy the requirements of **Subsection 40.06.2(D)** to fill voids left by the removal of ledge rock payment shall be made under Item No. 70.61RE - ROCK EXCAVATION. The Contractor's attention is directed to **Section 70.61 - Rock Excavation** of the specifications, and that all references to clean fill therein, shall mean select granular fill.

(C) For providing acceptable select granular fill (whether natural or processed) to satisfy the requirements of **Subsection 40.06.2(D)** payment shall be made under Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL. The Contractor's attention is directed to **Section 73.41 - Additional Select Granular Backfill** of the specifications, with the addition that the conditions for use as specified in **Subsection 73.41.1** shall be expanded to include those specified in **Subsection 40.06.2(D)** as amended hereinbefore.

(7) **Refer to Section 70.51 - Excavation Of Boulders In Open Cut, Page VII-37:**

**Add** the following new **Subsection 70.51.6**:

**70.51.6 EXISTING SEWER ENCASED IN CONCRETE**

The Contractor is advised that at certain locations, the existing sewer to be removed may be encased in concrete. Where this condition is encountered, the Contractor shall remove the concrete encasement from the site. The quantity, in cubic yards, to be measured for payment shall be determined by taking the total volume of the encased sewer including the cradle portion less the volume of the sewer pipe. Payment shall be made at the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT and shall cover the cost of all labor, materials, plant, equipment and insurance necessary to remove the concrete encasement, together with all work incidental thereto, as directed by the Engineer. The cost of any additional backfilling required to be done in connection with this work shall be deemed included in the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT.

(8) **Refer to Subsection 71.41.4 - Specific Pavement Restoration Provisions, Pages VII-67 and VII-68:**

**Add** the following to **Subsection 71.41.4**:

(E) Specific Pavement Restoration Provisions:

Upon completion, at each and every ordered location, of installation of water mains and the reconstructed collapsed or otherwise defective storm, sanitary or combined sewers and the backfill and compaction of all sewer and water main trenches, the Contractor shall permanently restore all roadways, sidewalks and curbs within the ordered limits of the trench width and cutbacks as follows:

- (1) In all streets requiring sewer and water main work, the permanent pavement restoration shall be as follows:



- (a) The permanent roadway restoration over the **trench widths 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 high-early strength concrete, to match the existing pavement as directed by the Engineer.

(2) Sidewalk And Curb Restoration:

- (a) The permanent sidewalk restoration over the **trench width and cutbacks only** shall consist of 4" concrete sidewalk (unpigmented) outside driveway and 7" concrete sidewalk (unpigmented) inside driveway and pedestrian ramps, as directed by the Engineer. All sidewalks shall be restored in full flag units.

- (b) Since all sidewalks shall be restored in full flag units, the cutbacks for sidewalk restoration shall be defined as the distances beyond the edges of the trenches that require removal in order to get to an adjacent undisturbed full flag unit. For the purpose of this contract sidewalk shall be saw-cut, removed and restored in full flag units up to a maximum overall width of ten (10) feet (two (2) full flag units).

- (c) The permanent restoration of curbs over the **trench width only** shall consist of concrete curb, straight steel faced concrete curb, depressed steel faced concrete curb and corner steel faced concrete curb, as directed by the Engineer.

- (d) The cost of all labor, materials, equipment, samples and tests required and necessary to permanently restore the curbs over the trench width and cutbacks only shall be deemed included in the prices bid for Item No. 1.A50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS), Item No. 1.B50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.C50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.D50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.E50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10), Item No. 1.F50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.G50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.H50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.I50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.J50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.K50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.L50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.M50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE



\$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.N50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.O50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.P50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Q50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.R50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.S50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.T50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.U50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.V50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.W50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.X50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.Y50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Z50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.AA50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.BB50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.CC50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 60.12D20 - LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS, Item No. 60.12D12 - LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS, Item No. 60.12D08 - LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS, and Item No. 60.12D06 - LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS.

(3) The following requirements apply to subsection (1) above only:

- (a) Before the top course is installed, an additional width of asphalt beyond the edge of new base course shall be saw-cut and removed from all edges of trenches to a depth to accommodate the specified top course and the entire area restored. This additional removal shall be in accordance with paragraph (b) below.
- (b) Pavement excavation along with saw cutting of pavements for sewer and water main trenches shall be in accordance with **Section 71.21 - Pavement Excavation** of the Standard Sewer And Water Main Specification. Payment for this work will be made under item no. 6.02 AAN - UNCLASSIFIED EXCAVATION.



- (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 tack coating, removal of pavement markings and replacement with thermoplastic reflectorized pavement markings (crosswalks and lane dividers), placement and eradication of temporary roadway markings, stripping or milling of pavement keys and adjustment of city-owned castings shall be deemed included in the prices bid for all pavement restoration items.
- (f) Payment for pavement restoration shall be made under the following items:

<u>Item No.</u>	<u>Item</u>	<u>Payment Description</u>
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 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 in Type A and B Keys.)
4.04 H	Concrete Base For Pavement, Variable Thickness For Trench Restoration, (High-Early Strength)	(For concrete base course over trenches and cutbacks.)

- (4) The cost for excavation of pavements, curbs and sidewalks within limits of sewer and water trenches and cutbacks, and as ordered by the Engineer, shall be deemed included in the price bid for item No. 6.02 ANN – UNCLASSIFIED EXCAVATION.
- (5) All Sidewalks; Driveways; Curbs; Corner Curbs; Pedestrian Ramps; and Roadway base courses, within the ordered limits of work and as directed by the Engineer, top courses and wearing courses shall be installed in conformance with the latest Department of Transportation Specifications and Standard Details, except as amended herein.
- (6) The Contractor shall exercise caution during the construction operation, so as to prevent damage and/or disturbance to sidewalks, curbs and roadways outside the ordered reconstruction limits of trench width and cutbacks.
- (7) All disturbed grass sidewalk areas over the trench width and cutbacks only shall be restored in conformance with the **New York City Department of Transportation (NYCDOT) Standard Highway Specifications Section 4.19 - Sodding**. The cost of all labor, materials, equipment, samples and tests required and necessary to install sod in grass sidewalk areas over the trench width and cutbacks shall be deemed included in the prices bid. No separate or additional payment will be made for this work.
- (8) Should granite block, asphalt block or brick pavement be encountered over the trench width and cutbacks only, five (5) inches of binder mixture shall be substituted for the blocks and bricks removed. The binder mixture shall be installed on a base course of a minimum of six (6) inch of high-early strength concrete and topped with 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 to match the existing pavement as directed by the Engineer. All granite or brick removed



shall be delivered to the designated City Yard. The cost of all labor, materials, equipment, samples and tests required and necessary to install new pavement as described herein to replace granite block, asphalt block or brick pavement over the trench width and cutbacks shall be paid for as per subsection (3)(f) above.

- (9) If additional roadway restoration is required and ordered in writing by the Engineer outside the ordered limits of trench widths and cutbacks the cost of all labor, materials, equipment, samples and tests required and necessary to perform this additional roadway restoration work shall be deemed included in the prices bid for Item No. 4.02 CA - BINDER MIXTURE, Item No. 4.02 CB - ASPHALTIC CONCRETE MIXTURE, and Item No. 4.04 H - CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH). Included in the prices bid for these items shall be the cost for all excavation of pavements, tack coating, removal of pavement markings and replacement with thermoplastic reflectorized pavement markings (crosswalks and lane dividers), placement and eradication of temporary roadway markings, stripping or milling of pavement keys and adjustment of city owned castings. No separate or additional payment will be made for this work.

- (10) All sidewalk restoration work within the limits of the trench and cutbacks and as directed by the Engineer shall be deemed included in the prices bid for Item No. 4.13 AAS - 4" CONCRETE SIDEWALK (UNPIGMENTED), and Item No. 4.13 BAS - 7" CONCRETE SIDEWALK (UNPIGMENTED).

- (9) Refer to Page VII-104:

Add the following new **DIVISION VIII**:

#### **DIVISION VIII**

#### **DETAILED SPECIFICATION FOR RECONSTRUCTION OF COLLAPSED OR OTHERWISE DEFECTIVE STORM, SANITARY OR COMBINED SEWERS**

##### **DSS-1 INTENT**

It is intent of this contract, at all locations and areas ordered under this contract as determined by the New York City Department of Environmental Protection and as directed by the Engineer to reconstruct sections of existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers in roadways, sidewalks, malls, medians, pedestrianways, easements or other non-roadway areas including the reconnection of all existing house sewers, basin connections, and the construction of new manholes as required.

The sections of existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers shall be removed and reconstructed with Extra Strength Vitrified Clay Pipe on Concrete Cradle and/or Precast Reinforced Concrete Pipe on Concrete Cradle, complete, as shown, specified or required.

The Contractor, when so ordered by the Engineer, will be required to substitute the use of Ductile Iron Pipe on Stone Bedding in lieu of Extra-Strength Vitrified Clay Pipe on Concrete Cradle for the various sized pipes indicated in the Bid Schedule. The Ductile Iron Pipe shall meet all of the requirements, standards and specifications of the Department of Environmental Protection. The payment for Ductile Iron Pipe on Stone Bedding will be made under the applicable unit prices bid for the various sizes of Extra-Strength Vitrified Clay Pipe on Concrete Cradle. The substitution of 15-inch Extra-Strength Vitrified Clay Pipe will be made with 16-inch Ductile Iron Pipe.

At each ordered location the length of existing collapsed or otherwise defective Storm, Sanitary or Combined Pipe Sewer to be reconstructed will vary; however, the length will generally not be less than fifteen (15) feet per trench opening. The actual length at each ordered location and the area of reconstruction will be determined by the New York City Department of Environmental Protection and as directed by the Engineer. For each reconstruction less than a manhole length, the trench opening shall be at least one and one-half (1-1/2) feet longer at the ends of the reconstruction to permit proper jointing.



**DSS-2 STANDARD SEWER AND WATER MAIN SPECIFICATION**

Unless otherwise specified, all work and materials shall conform to the applicable sections of 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), and the Standard Highway Specifications (Volumes I and II) of the Department of Transportation (dated November 1, 2010) of The City of New York.

**DSS-3 DEFINITIONS**

Whenever the following pronoun appears in this contract, the meaning and intent shall be interpreted as follows unless a different meaning is clear from the context: "Engineer" shall mean the Director, Bureau of Water and Sewer Operations, Department of Environmental Protection, or a designated representative to act as such in relation to this contract.

**DSS-4 ISSUANCE OF TASK ORDERS**

- (A) General: The Contractor shall, for the duration of this contract, provide services as directed by the Engineer for the reconstruction of existing sewers or portions thereof, in accordance with the terms and conditions set forth herein. The services to be provided by the Contractor shall include both Initial Services and Reconstruction Services, as described below.
- (B) Transmission of Task Orders:
- (1) The Engineer shall advise the Contractor of the need for services hereunder through Task Orders, as set forth in **Paragraph (C)** below. The Engineer shall send Task Orders to the Contractor by e-mail, fax, or by telephone promptly confirmed by e-mail and/or fax.
  - (2) The Contractor shall, for the duration of this contract, provide and maintain at its place of business a dedicated telephone line, a dedicated e-mail address and a dedicated fax line for the receipt of Task Orders hereunder. The e-mail and fax machine shall be in operation twenty-four (24) hours per day, seven (7) days per week, for the duration of this contract. The Contractor shall not be entitled to any compensation for the provision of such equipment. All expenses for the required telephone, e-mail and fax lines shall be deemed included in the Contractor's overhead.
- (C) Task Order: When the need for services arises, the Engineer shall issue a Task Order to the Contractor. The Task Order shall specify the items set forth below:
- (1) Description and Location of the Project
  - (2) Length of Reconstruction Work
  - (3) Reconstruction Services to be performed
  - (4) Reconstruction Time - Time for commencement and completion of work
- (D) Reconstruction Services: The Engineer shall specify the services necessary and required for reconstruction. The Contractor shall perform such reconstruction services within the reconstruction time, as set forth below.
- (E) Reconstruction Time: The Reconstruction Time shall mean the period of time within which the Contractor must complete the required Reconstruction Services. The Reconstruction Time shall be specified in the Task Order. The Contractor is advised that the Reconstruction Time shall be determined by the Department of Environmental Protection, in its sole discretion.

Time is of the essence as the public health and safety are involved. Accordingly, the Contractor shall perform the work at each and every ordered location promptly and diligently, using such



means and methods of construction as will assure its expeditious and satisfactory completion without delay.

- (F) Personnel: The Contractor shall provide adequate personnel and equipment at each ordered location. Prior to the start of work the Engineer shall approve such personnel and equipment. The Engineer reserves the right to determine the personnel and equipment required to adequately and properly carry out the intent of this contract and to order personnel and equipment in excess of that normally required for the work to be done, off the job site. No payment will be made for such excess personnel and equipment. The Contractor must be prepared to provide adequate personnel and equipment to perform the services specified in **Paragraphs (C) and (D)** above at up to three (3) concurrent reconstruction sites.
- (G) No Right To Refuse: The Contractor shall have no right to reject or decline to perform any Task Order issued under this contract. However, if the Contractor is unable to begin the work of reconstruction for any reason, the Contractor shall so notify the Engineer by telephone as soon as possible, such notifications to be followed by an explanation in writing as to the reasons why the Contractor is unable to begin the required work.
- (H) Supplementary Task Orders: The Contractor shall perform only the work specifically ordered by the Engineer in the written Task Order. The Department of Environmental Protection reserves the right to order additional work through Supplementary Task Orders issued by the Engineer, as the work on the original Task Order progresses.

#### **DSS-5 WORK INCLUDED**

The Contractor shall at each and every ordered location, furnish all labor, equipment, materials and supervision, and shall perform all the work called for within each item ordered including any incidental work required for a complete and satisfactory job.

All labor, equipment and materials necessary for the proper execution and completion of each item of work called for are to be furnished and delivered by and at the cost and expense of the Contractor, and the work executed and completed in every detail whether specifically mentioned or not.

The Contractor must be prepared to do this work without prepared plans.

At each ordered location the Contractor shall remove and clean the sewer of any debris up to and including manholes on both sides of the section of sewer being reconstructed during and after the completion of the work.

#### **DSS-6 EXISTING CONDITIONS**

The Contractor is advised that the Engineer will furnish to the Contractor, where available, plans of the existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers.

The Contractor is further advised that since the reconstructed sewer is to be within the same trench where the existing collapsed or otherwise defective pipe sewer was constructed, it is assumed that the original trench was backfilled with acceptable materials and that no exceptionally large boulders, or other obstructions would hinder or delay the excavation work. If boulders, rip-rap and other large objects as herein before specified in excess of one-half (1/2) cubic yard in volume are encountered during the excavation down to the top of the existing collapsed or otherwise defective pipe sewer, payment for the removal of same will be paid for at the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT. The entire boulder shall be measured where practicable. The resultant void shall be backfilled and paid for under Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL.

The average depth to be excavated to subgrade for the reconstructed sewer is eight (8) to nine (9) feet, varying from a minimum depth of four (4) feet to a maximum depth of twelve (12) feet. Deeper sewer excavations to a maximum depth of twenty (20) feet, shall be paid for under Item No. 73.31AE2



- ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 12' TO 16' DEPTH) and Item No. 73.31AE3 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 16' TO 20' DEPTH).

**DSS-7 PAYMENT FOR WORK PERFORMED**

The Contractor shall include in the unit price bid for each item of work, the cost of all labor, equipment, materials, supervision, overhead, profit, insurance, and all other services required to execute and complete each item of work.

Payment will be made at the unit price bid for the various items of work ordered in writing by the Engineer and actually performed and incorporated into the work. The Contractor is advised that the payment for each increment of length of sewer to be replaced will be made at the unit prices bid for each increment of length of sewer to be replaced according to the following schedule:

- (a) Minimum fifteen (15) linear feet.
- (b) Additional length beyond the minimum fifteen (15) linear feet to a maximum of one hundred (100) linear feet. Fixed unit price as listed in the contract document - bid schedule of prices.
- (c) Additional length beyond one hundred (100) linear feet. Fixed unit price as listed in the contract document - bid schedule of prices.

**DSS-8 PROCEDURAL ORDERS TO CONTRACTOR**

The Contractor shall either give personal attention to the work or employ and retain a competent superintendent or foreman at each and every ordered location while the work is in progress. Instructions given to the superintendent or foreman shall be considered as having been given to the Contractor.

**DSS-9 CITY TO NOTIFY CITY DEPARTMENT**

At the time the Engineer orders the Contractor to proceed with the work, the Department of Environmental Protection shall notify and transmit a copy of the order to start work to all public and private agencies concerned. These notifications shall be in addition to the Contractors required notifications of public and private agencies as specified herein.

At the start of the work, the Contractor will be furnished with a temporary street opening permit by the Department of Environmental Protection. However, the Contractor shall obtain the prescribed permits from the Department of Transportation prior to the start of the work.

**DSS-10 MEASUREMENTS**

All measurements shall be made under the supervision of the Engineer. The Contractor's representative shall notify the Engineer when measurements are to be made so the Engineer may be present at that time, the Contractor shall record all measurements and give the Engineer duplicate copies of these measurements.

**DSS-11 WORK ORDERED BY THE ENGINEER AND NOT OTHERWISE COVERED IN THE DETAILED SPECIFICATION.**

During the course of the work being performed at any ordered location, it may be necessary for the Engineer to order, in writing, extra work not otherwise covered in the task order and in the Detailed Specifications. Payment for extra work for which there are classified bid item(s) shall be made under the unit price bid for the respective bid item(s). Payment for extra work for which there are no specific classified bid item(s) shall be made in accordance with **Articles 25 and 26** of the Contract.

**DSS-12 INSPECTION OF MATERIALS FURNISHED**



In lieu of the procedure for the inspection of materials to be furnished, as called for in **DIVISION III** of the Standard Sewer And Water Main Specifications, the City will accept certificates from the Contractor's materials suppliers stating that the materials furnished and incorporated in the work at each ordered location, meets the requirement of the appropriate sections of the specifications. Such material certificates shall be provided to the Engineer by the completion date specified in the task order for each ordered location.

#### **DSS-13 TREES TO BE REMOVED AND REPLACED**

During the work of reconstructing sewers in sidewalk or mall areas, the Contractor, when ordered in writing by the Engineer and approved by the Parks Department, shall remove trees along the line of the work. The cost of all the labor and materials required to remove trees, as directed, shall be deemed included in the unit prices bid for the respective tree removal items.

Where trees along the line of the work are removed, as directed, the Contractor shall replace such trees with new trees in accordance with the requirements of the Department of Parks and Recreation. The cost of all the labor and materials required to furnish and place new trees, as directed, together with the cutting of tree pits and all work incidental thereto, shall be deemed included in the unit price bid for Item No. 4.16 CA405 - TREES PLANTED, 3" TO 3-1/2" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS.

#### **DSS-14 ADDITIONAL SIDEWALK RESTORATION**

The Contractor is notified that during the work of reconstructing sewers at any ordered location, the Engineer may order additional sidewalk reconstruction outside the ordered trench and cutback restoration limits.

The cost of all the labor and materials required to perform this ordered additional existing concrete sidewalk removal and reconstruction outside the ordered sewer and water main trench and cutback restoration limits, together with all work incidental thereto, shall be deemed included in the unit prices bid for Item No. 4.13 AAS - 4" CONCRETE SIDEWALK (UNPIGMENTED), and Item No. 4.13 BAS - 7" CONCRETE SIDEWALK (UNPIGMENTED).

The Contractor is notified that should any damage occur to areas outside of the Engineer's ordered locations, due to the Contractor's negligence, the Contractor shall make all repairs to the satisfaction of and as directed by the Engineer. The cost of such repairs shall be borne by the Contractor, at no cost to the City.

#### **DSS-15 ADDITIONAL ROADWAY RESTORATION**

The Contractor is notified that during the work of reconstructing sewers at any ordered location, the Engineer may order additional roadway reconstruction outside the ordered trench and cutback restoration limits.

The cost of all the labor and materials required to perform this ordered additional existing roadway removal and reconstruction outside the ordered sewer and water main trench and cutback restoration limits, together with all work incidental thereto, shall be deemed included in the unit prices bid for Item No. 4.02 CA - BINDER MIXTURE, Item No. 4.02 CB - ASPHALTIC CONCRETE MIXTURE, and Item No. 4.04 H - CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH).

The Contractor is notified that should any damage occur to areas outside of the Engineer's ordered locations, due to the Contractor's negligence, the Contractor shall make all repairs to the satisfaction of and as directed by the Engineer. The cost of such repairs shall be borne by the Contractor, at no cost to the City.

#### **DSS-16 METHOD OF PAYMENT**



The following items of work herein specified are provided in order to afford the City of New York opportunity to have such work done if found necessary. It shall be understood by the Contractor that the work as specified under any one of these items may be ordered by the City of New York and in the unit quantities found necessary by the Department of Environmental Protection. The City of New York, however, is not bound to order any of the work specified under these items. Payment will be made only for the actual number of unit quantities ordered under each item.

In the execution of any work under any of these items, the Contractor shall see that the work is progressed as quickly as possible and without delay. All labor, equipment and materials necessary for the proper execution and completion of each item of work called for are to be furnished and delivered by and at the cost and expense of the Contractor and the work executed and completed in every detail whether specifically mentioned or not.

The contract prices for Extra Strength Vitrified Pipe Sewers and/or Precast Reinforced Concrete Pipe Sewers shall be the unit price bid per linear foot for each size, kind, class and type of sewer and shall cover the cost of all labor, materials, equipment, samples and tests required and necessary to construct the extra strength vitrified pipe sewers and/or the precast reinforced concrete pipe sewers of the sizes and to the lines and grades as shown, specified, or ordered, including the earth excavation of all materials of whatever nature encountered (See Section 40.03 - Earth Excavation and except excavation of concrete encased sewers and other large objects as specified herein); all pumping and work required to eliminate blockages and restore and maintain sewage flow, all sheeting and bracing; pumping; fluming; bridging; decking; breaking down and filling in of abandoned sewer appurtenances; connections; concrete cradle and encasements; maintaining flow in sewers; backfilling; cleaning up; mobilization (except mobilization for dewatering purpose); temporary restoration of street surfaces; support and maintenance of existing City structures that are encountered during excavation (including curbs, stoops, fences, copings, vaults, light poles, etc.); removal of existing collapsed or otherwise defective sewers and their foundation supports of broken stone or concrete cradle; removal, reconstruction and reconnection of existing house sewer connections together with spurs and risers for existing house connections; removal, reconstruction and reconnection of existing basin connections; removing and cleaning the sewer of any debris up to and including manholes on both sides of the section of sewer being reconstructed during and after the completion of the work at any ordered location; permanent restoration of all curbs, malls, medians, pedestrianways and other non-roadway areas within the limits of trenches and cutbacks together with foundation materials; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the plans, specifications and standards and as directed by the Engineer. In addition, included in the price hereunder shall be the cost of all labor and materials necessary to construct the concrete cradle so that it shall extend under the existing sewer one and one-half (1-1/2) feet beyond the pipe joints at each end of the reconstructed sewer; and to construct at both ends where the reconstructed sewer joins the existing sewer, joints that shall be encased with a four (4) inch thick concrete encasement, twelve (12) inches long on either side of the joint.

The cost for permanent restoration of all roadway top courses and base courses within the limits of trenches and cutbacks and as directed by the Engineer shall be deemed included for the prices bid for item nos. 4.02 AB-R - ASPHALTIC CONCRETE WEARING COURSE, 1-1/2" THICK, 4.02 CA - BINDER MIXTURE and 4.04 H - CONCRETE BASE FOR PAVEMENT FOR PAVEMENT VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH EARLY STRENGTH).

The cost for permanent restoration of all sidewalks within the limits of trenches and cutbacks and as directed by the Engineer together with foundation material shall be deemed included for the prices bid for item nos. 4.13 AAS - 4" CONCRETE SIDEWALK (UNPIGMENTED), and 4.13 BAS - 7" CONCRETE SIDEWALK (UNPIGMENTED).

When additional spurs are required and ordered in writing by the Engineer for future house connections, payment shall be made for these in place additional spurs under the prices bid for Item No. 52.31V06P00 - 6" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER, and Item No. 52.31V08P00 - 8" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER.



When additional risers are required and ordered in writing by the Engineer for future house connections, payment shall be made for these in place additional risers under the prices bid for Item No. 52.21V08 - 8" E.S.V.P. RISER FOR HOUSE CONNECTION, and Item No. 52.21V10 - 10" E.S.V.P. RISER FOR HOUSE CONNECTION.

When basin connections are required and ordered in writing by the Engineer to be relayed in a new location, payment shall be made for these in place basin connections under the price bid for Item No. 52.11D12 - 12" DUCTILE IRON PIPE BASIN CONNECTION.

Payment for in place additional steel reinforcing bars required and ordered in writing by the Engineer shall be made under the price bid for Item No. 73.51AS - ADDITIONAL STEEL REINFORCING BARS.

Payment for in place additional select granular backfill required and ordered in writing by the Engineer shall be made under the price bid for Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL.

Payment for in place additional brick masonry required and ordered in writing by the Engineer shall be made under the price bid for Item No. 73.11AB - ADDITIONAL BRICK MASONRY.

Payment for in place standard manholes required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 51.21S0A1000V - STANDARD MANHOLE TYPE A-1, and Item No. 51.21S0B1000V - STANDARD MANHOLE TYPE B-1. Included in the respective prices bid shall be the cost for the removal of existing manholes. If no manhole exists where a new manhole is required and ordered, a credit will be taken for the omitted work.

Payment for in place standard catch basins required and ordered in writing by the Engineer shall be made under the price bid for Item No. 51.41S001 - STANDARD CATCH BASIN, TYPE 1. Included in the respective prices bid shall be the cost for the removal of existing catch basins. If no catch basin exists where a new catch basin is required and ordered, a credit will be taken for the omitted work.

Payment for excavation of boulders in open cut required and ordered in writing by the Engineer shall be made under the price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT.

Payment for in place planted trees required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 4.16 CA405 - TREES PLANTED, 3" TO 3-1/2" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS. Included in the price bid shall be the cost for tree pits, fertilizer, stakes and wire, topsoil, etc.

Payment for additional earth excavation required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 73.31AE2 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 12' TO 16' DEPTH), and Item No. 73.31AE3 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 16' TO 20' DEPTH). Included in the prices bid shall be the cost for additional sheeting, bracing and pumping required beyond the limits hereinbefore mentioned.

Payment for in place stone ballast required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 70.71SB - STONE BALLAST. Included in the price bid shall be the cost for additional excavation for placement of stone ballast.

Payment for in place additional concrete required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 73.21AC - ADDITIONAL CONCRETE.

Payment for maintenance and protection of traffic required and ordered in writing by the Engineer shall be made under the price bid for Item No. 6.70 - MAINTENANCE AND PROTECTION OF TRAFFIC. Included in this item will be payment for making the area safe for residents and for pedestrian and vehicular traffic within the initial response time.



Payment for maintenance of site required and ordered in writing by the Engineer shall be made under the price bid for Item No. 7.13 A - MAINTENANCE OF SITE.

Payment for in place fencing required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 70.31FN - FENCING.

Payment for television inspection and digital audio-visual recording of sewers required and ordered in writing by the Engineer shall be made under the price bid for Item No. 53.11DR - TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS.

Payment for removal of trees required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 4.16 AA - TREES REMOVED (4" TO UNDER 12" CALIPER), Item No. 4.16 AB - TREES REMOVED (12" TO UNDER 18" CALIPER), Item No. 4.16 AC - TREES REMOVED (18" TO UNDER 24" CALIPER), and Item No. 4.16 AD - TREES REMOVED (24" CALIPER AND OVER).

Payment for maintenance tree pruning required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 4.18 A - MAINTENANCE TREE PRUNING (UNDER 12" CALIPER), Item No. 4.18 B - MAINTENANCE TREE PRUNING (12" TO UNDER 18" CALIPER), Item No. 4.18 C - MAINTENANCE TREE PRUNING (18" TO UNDER 24" CALIPER), and Item No. 4.18 D - MAINTENANCE TREE PRUNING (24" CALIPER AND OVER).

Payment for 8-inch, 12-inch and 20-inch water main offsets and replacements required and ordered in writing by the Engineer due to water mains crossing sewer trenches and water mains interfering with sewer trenches shall be made under the prices bid for the various water main items provided in the contract for water main work actually performed.

Payment for photographs required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 10.32A - PHOTOGRAPHS.

Payment for Bid Schedule Item Nos. DSS014A1 - CLEANING OF SEWER (LESS THAN 24" DIAMETER) and DSS014A2 - CLEANING OF SEWER (24" TO 48" DIAMETER), will be made on a per linear foot basis for sewers successfully cleaned at the unit price bid.

Payment for Bid Schedule Item No. DSS014B - CLEANING OF MANHOLE, will be made for each manhole cleaned as directed by the Engineer at the unit price bid

**DSS-17 GUARANTEED MINIMUM**

In the event the Contractor is not issued any Task Orders hereunder, the City agrees to pay, and the Contractor agrees to accept, a minimum fee of two thousand dollars (\$2,000.00). The Contractor further agrees that under such circumstances, the Contractor has no action for damages or for loss of profits against the City.



**E. 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. 7**

By signing in the space provided below, the bidder acknowledges receipt of the twenty-nine (29) pages of this Addendum.

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

*Purnima Sharma*  
for **GURDIP SAINI, P.E.**  
Associate Commissioner/Design I

\_\_\_\_\_  
Name of Bidder

By: \_\_\_\_\_



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# ADDENDA CONTROL SHEET

PROJECT NO.: BEDA001

[illegible]



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

PROJECT ID: BEDA001

FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN  
REPLACEMENT AND SEWER REHABILITATION AND REPLACEMENT

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

ADDENDUM NO. 8

(SECTION U VERSION 2.0)

DATED: MARCH 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 A8-3 through A8-13)
  - B. Schedule U-1 (Page A8-14)
  - 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 A8-15 (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.

By signing in the space provided below, the bidder acknowledges receipt of the two (2) page of this Addendum and fourteen (14) pages of attachments.

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

for Purnima Datta  
**GURDIP SAINI, P.E.**  
Associate Commissioner/Design I

\_\_\_\_\_  
Name of Bidder

By: \_\_\_\_\_



**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. The duration of the contract as shown in Schedule A thus includes the time which may be necessary for the Contractor to remove, repair, protect, support, shift, relocate, temporarily remove and replace, work around and/or work in the presence of the Companies' facilities ("Interference Work") by this contract during the progress of the City work.



## **2. *Field inspection prior to construction:***

Prior to the start of any contract work in areas serviced by overhead electric lines, and after the award to the apparent low bidder for this contract, the contractor must request a field walk of the project area along with the operator of the overhead electrical facilities and the DDC Engineer-In-Charge. At that time the facility operator will confirm the type and condition of the overhead electrical lines and the sufficiency of their insulating properties with respect to the means and methods proposed by the contractor. The contractor must be prepared to describe in enough details his/her proposed means and methods of construction operations in order to anticipate the likelihood that electric lines insulation would be cut or otherwise compromised. Also such details will allow the facility operator to anticipate the need for added insulation and/or shielding of non-insulated lines.

## **3. *Compensation for interference work:***

Compensation for Interference Work is a matter of adjustment between the Contractor and each private utility company located within the limits of the project area and whose utility facilities are affected by City contract work. In particular, the City will not compensate the Contractor for any direct and/or indirect costs related to Interference Work, including, but not limited to, lost profit, increased overhead, or any other impact costs. Upon receipt of a Notice of Award from the City, the Contractor shall immediately commence negotiations with each of the Companies concerning the manner in which and the price for which the Contractor, through its own forces or by others hired by it, will perform and be paid by the Company for all necessary Interference Work as defined above, and at known locations of City contract work, that the Company(ies) choose(s) not to perform with its(their) own forces or by specialty Contractors hired by it (them) (as per "Interference Agreement"). (Specialty contractors' work is limited to (i) insulation installation and removal, (ii) live gas and steam work, (iii) cleanup and disposal of hazardous materials, (iv) splicing live electrical and telecommunications facilities, and (v) work not traditionally performed by general construction contractors.

## **4. *Interference Agreement:***

1. Although the parties may negotiate an Interference Agreement in any format or manner they deem fit, the Contractor is hereby advised that the Companies have indicated to the City that they will agree to compensate the Contractor on a unit price



basis for Types of Interferences encountered on this Contract in accordance to the Private Utilities reference document for SECTION U called "CET SPECIFICATIONS AND SKETCHES", dated November 2010, copy of which is available on demand.

2. The Contractor shall notify the City upon concluding an Interference Agreement with each of the Companies.

**5. *City contract work to continue without Interference Agreement :***

If, prior to the start of construction, as directed by the City's Order to work / Notice To Proceed (OTW/ NTP) date any of the Companies and the Contractor have not concluded an Interference Agreement as described above, then the City shall issue a written "48 Hours notice to Public Corporation" as prescribed by the City of New York Administrative Code", commonly referred to as "Order-Outs" and City construction will proceed as ordered and the Contractor will be directed by the Resident Engineer to perform the City work on Time, Material and Equipment basis (T&M) as specified in standard City contract agreement Article 26.2. T&M records will include identification of types of utility facilities interfering with City work, utility facility owners, specifying the nature and quantity of any materials, plant and equipment furnished or used in connection with the performance of such work and crew size, such as: name and number of each worker employed on such work. T&M records will also indicate the hours of active time, standby time and idle time. The Company (ies) and the Contractor will maintain separate records of the actual quantity and cost of labor, materials, and equipment expended, and will provide copies of this information to the other party on a daily basis for reconciliation. These T&M records along with cost evaluations will be submitted daily to the Resident Engineer for review and approval. The total cost of City work will be based on quantity of work performed multiplied by unit price contract bid items. The total interference cost will be calculated as the difference between the total T&M cost and total cost for City work. The Resident Engineer will conduct a monthly reconciliation session of the daily T&M records with the affected Company (ies) and contractor. If the contractor and affected utility companies cannot reconcile their T&M records, by the last day of each month, then the Resident Engineer will submit the approved City's T&M records along with total cost evaluations to the DDC Director of Construction who will review these records and recommend approval and validity certification by the DDC Deputy Commissioner.



1. Copies of the DDC approved and certified T&M records will then be transmitted by the DDC to the contractor and the utility companies. These certified records may be used by the contractor for compensation claims against the responsible private facility owners, or may be used by any party as supporting documentation in dispute regarding compensation for performing Interference Work. The contractor will be required to perform City work while invoices are submitted by the contractor to the Utility companies for payment within 30 days, or while compensation disputes between contractor and affected company (ies) are submitted to Binding Arbitration process described in Paragraph 9.
2. All issues related to utility work and/ or delays due to compensation disputes or claims against utility companies are not allowable as justification for granting contract time extensions or delay claims against the City. The City may assess liquidated damages specified in the contract for net overall delays suffered by City contract work as a result of utility issues, disputes and claims.
3. The standard City contract dispute resolution process specified in Article 27 "Presentation of disputes to Commissioner", of the standard City contract agreement is not applicable to any disputes related to utility work and/ or compensation for such work or claim against utility companies. Utility work issues, disputes and claims may only be submitted to Binding Arbitration process described in Paragraph 9.
4. The contractor will notify the Resident Engineer when utility work that require the intervention of company utility specialty crews causes excessive contractor's labor and equipment standby or idleness and, thereby jeopardizing the City project schedule. The Resident Engineer will submit the facts to the DDC Director of construction who will recommend to the Deputy Commissioner regarding the issuance of a "48 hours notice" to the concerned utility company as authorized by the New York City administrative Code Section 19-143 and/ or Section 24-521 as applicable.
5. Utility delays caused by utility and/ or by unavailability of utility specialty crews cannot be discounted for earning any contractual bonus when such bonus clause is included in a contract. However, if such specified bonus is not earned or disallowed by the City or if the City assesses specified liquidated damages as a result of such excessive delays, the contractor may seek damages from the responsible utility company (ies).



**6. *Extra utility work with Utility Agreement:***

If during construction the Contractor encounters utility facilities interferences or utility scope of work that it believes is not covered by the Interference Agreement as described above, then the Contractor shall immediately notify the Company in writing, with a copy to the City, describing the nature and location of the extra work in question. The Company then has five (5) business days to investigate the conditions and then:

1. Advise the Contractor and the City in writing that no interference with its facilities exists at the location in question, and hence that the Contractor may proceed with City work without providing for any impact from Company facilities;
2. Advise the Contractor and the City in writing that the Interference Agreement negotiated pursuant to Paragraph 4, provides for the scope of work encountered.
3. Advise the Contractor and the City in writing that it intends to perform the necessary utility Work with company forces or with its own contractor including, but not limited to, relocating its facility out of the way of the proposed City work. In this case, the Company shall provide a written schedule for the performance of the utility work it proposes to perform, which shall be subject to approval by the City based on its impact to the Contractor's currently approved progress schedule. Upon approval of the Company's schedule by the City, the Contractor shall provide access to the worksite to the Company and/or any contractors hired by it to perform this utility work. If necessary, the City may grant a contract time extension for delays caused by the performance of such utility work by the company.
4. Reasonably specify in writing the scope of work to be performed by the Contractor on behalf of the Company that is not covered under the Interference Agreement negotiated pursuant to Paragraph 5, including, but not limited to, relocating, supporting, and/or protecting the Company's facilities, and/or shifting the City facility if approved by the Resident Engineer, and/or otherwise changing its operations to work in the presence of the Company's facilities. Should the Company elect this option, it must adequately define and provide an initial price offer for the work required to be performed.



**7. *Means and Methods for utility work:***

Upon receipt of the Company's determination pursuant to paragraphs 6.2, or 6.4, above, the Contractor shall determine reasonable means and methods of performing the work defined by the Company. These means and methods are subject to approval of the Company, which shall not be unreasonably withheld. If, however, the Company objects to the Contractor's proposed means and methods then it shall define an alternate method of construction. Upon receipt of the Company's approval or its proposed alternate method of construction, the Contractor shall commence performance of the work defined by the Company as soon as possible, and shall perform the work in a good, workmanlike, and efficient manner, using the means and methods approved by the Company, in order to permit the City work to proceed in the most expeditious manner possible, but without imposing unreasonable and/or unnecessary costs on the Company. It is expressly understood by all parties that the City's rights pursuant to Article 4 of the Contract apply to Utility Work performed pursuant to this section.

**8. *Disputed utility work covered by a utility agreement:***

The City Work will continue as described in paragraph 5 above. In the event of any dispute between the Company (ies) and the Contractor regarding any issue related to the performance of, or payment for, utility work, including, but not limited to, any indirect or impact costs incurred by the Contractor due to the Utility Work and/or to the existence of facilities owned or operated by the Company (ies) on the line of the work. The Company (ies) and the Contractor hereby agree to submit to each other a "Final Offer," in writing, by certified mail. Each party shall then have three business days to consider each other's Final Offer. In the event that neither party accepts the other's Final Offer within those three days, the Company (ies) and the Contractor agree to immediately submit the dispute to binding arbitration as described in Paragraph 9. During the pendency of any arbitration, the Company (ies) and the Contractor shall maintain separate records of the actual quantity and cost of labor, materials, and equipment expended, and to provide copies of this information to the other party on a daily basis for reconciliation. Any and all disagreement with the records maintained and provided by the other, must be documented in writing to all parties. However, these records are solely for the benefit of presentation to the arbitrator, whose decision may not necessarily be based on these records and in any event is final. Both parties should be aware that the City will not confirm or deny the accuracy of any records maintained by either party for Utility work



performed pursuant to a Utility Agreement. While the arbitration is pending, the Company shall pay the Contractor on a monthly basis, based on the price offered by the Company to the Contractor for the performance of the work.

**9. *Arbitration of utility work:***

The arbitration of the issues described above shall be conducted pursuant to the Construction Industry Arbitration Rules of the American Arbitration Association (hereinafter "the Rules" and "AAA") in effect on the date the arbitration is initiated except as set forth herein. The arbitration award shall be final and binding upon the parties to the arbitration and judgment upon the award may be entered in a court having jurisdiction.

- (a) Once an arbitrator(s) has been appointed by the AAA, the arbitration shall be scheduled as promptly as possible given the arbitrator(s) and the parties' schedules.
- (b) No later than seven days prior to the first arbitration hearing, Company and Contractor shall submit to the arbitrator(s), and to each other, a summary of each party's respective position and such other information as is deemed appropriate, along with a copy of each party's Final Offer as specified in paragraph 8.
- (c) The arbitration shall be conducted and concluded in two days.
- (d) On the morning of the first day of the arbitration, Contractor and/or representatives shall have 3 ½ hrs to make a presentation of its claim to the arbitrator. During its presentation, Contractor shall not be permitted to produce any documents or cost records which have not already been provided to the Company. Contractor shall be permitted to produce any analysis or description of its claim which has been prepared for the purpose of its presentation.
- (e) After lunch, Company and/or its representatives shall have two hours to ask Contractor questions about its claim and its presentation. Thereafter the arbitrator(s) shall have two hours to ask Contractor questions about its claim and its presentation.
- (f) On the morning of the second day of the arbitration, Company and/or its representatives shall have 3 ½ hours to make a presentation of its claim to the arbitrator. During its presentation, the Company shall not be permitted to produce any documents or cost records which have not already been provided to the Contractor. The Company shall be permitted to produce any analysis or description of its claim which has been prepared for the purpose of its presentation.



- (g) After lunch, Contractor and/or its representatives shall have two hours to ask Company questions about its claim and its presentation. Thereafter the arbitrator(s) shall have two hours to ask Company questions about its claim and its presentation.
- (h) Subject to the above time limitations, the arbitrator(s) may conduct the arbitration in such manner as the arbitrator(s) deems reasonable.
- (i) The arbitrator(s) shall then have one week to select in writing, as the arbitrator ('s) award, that party's Final Offer which appears to be more reasonable, based on the presentations at the arbitration hearings.
- (j) The arbitrator shall have no discretion to grant an award other than one of the two Final Offers submitted by the parties.
- (k) Any award for work that has already been performed shall be paid on the 7<sup>th</sup> day after receipt of the arbitrator's decision, or on the 30<sup>th</sup> day after completion of the work, whichever is later. Payment for work not yet completed at the time of the arbitrator's decision shall be paid within 30 days of completion of work. Interest shall accrue from the date payment is due at the rate of 9% per annum. Either party may cause judgment to be entered in accordance with the arbitrator(s) decision in a court in the State of New York, County of New York.
- (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

RE: City Work Performed in the Presence of Private Utility Facilities  
Project No: \_\_\_\_\_

Dear (Name):

This letter is to certify that \_\_\_\_\_, has requested the inclusion of the attached "Section U: Additional contract requirements applying to work performed in the presence of privately owned utility." The company agrees to abide by the terms of this Section U at the company's own expenses due to their facilities interferences with the Public work.

Sincerely,

\_\_\_\_\_  
By: Authorized Company Representative

\_\_\_\_\_  
Title

NOTARY PUBLIC

CERTIFIED AS TO FORM  
AND LEGAL AUTHORITY:

By: \_\_\_\_\_



**SCHEDULE U-1**

**BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN  
REPLACEMENT AND SEWER REHABILITATION AND REPLACEMENT**

<b>COMPANY NAME</b>	<b>CONTACT NAME</b>	<b>CONTACT TELEPHONE</b>
CON EDISON	THERESA KONG	212-460-4834
VERIZON	AUBREY MAKHANLALL	718-977-8165
TIME WARNER	JOHN PIAZZA	718-963-5612
CABLE VISION	SCOTT TALBOT	718-861-6890



## **SECTION U-3**

(NO TEXT IN THIS SECTION)



**END OF ADDENDUM No. 8**  
**This Addendum consists of Sixteen (16) pages**



# ADDENDA CONTROL SHEET

TITLE: CONSTRUCTION OF ACCELERATED WATER MAIN  
REPLACEMENT AND SEWER REHABILITATION AND  
REPLACEMENT

[illegible]







ATTACH TO CONTRACT DOCUMENTS

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

PROJECT ID: BEDA001

FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT

Together With All Work Incidental Thereto

BOROUGH OF BROOKLYN

ADDENDUM NO. 6

DATED: March 25, 2015

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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, BID SCHEDULE, pages B-3 to B-48;  
**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 3 OF 3, SPECIFICATIONS AND STANDARDS OF NEW YORK CITY, SPECIFICATIONS AND STANDARDS OF PRIVATE UTILITIES;  
**Delete** the following text:  
  
"1. JOINT-BIDDING SPECIFICATIONS AND SKETCHES FOR LOWER MANHATTAN Issued: August 1, 2005".  
  
**Substitute** with the following text:  
  
"1. CET SPECIFICATIONS AND SKETCHES dated November 2010"
- (3) **Refer** to the Bid and Contract Documents, VOLUME 3 OF 3, ADDENDUM NO. 2, pages A2-1 to A2-39;  
**Delete** all pages in their entirety;  
**Substitute** the words "(NO TEXT IN ADDENDUM NO. 2)".
- (4) **Refer** to the Bid and Contract Documents, VOLUME 3 OF 3, ADDENDUM NO. 4, pages A4-1 to A4-106;  
**Delete** all pages in their entirety;  
**Substitute** the words "(NO TEXT IN ADDENDUM NO. 4)".
- (5) **Refer** to the Bid and Contract Documents, VOLUME 3 OF 3, ADDENDUM NO. 5, page A5-1;  
**Delete** page A5-1 in its entirety;  
**Substitute** the words "(NO TEXT IN ADDENDUM NO. 5)".



By signing in the space provided below, the bidder acknowledges receipt of the two (2) pages of this Addendum plus twenty-eight (28) pages of attachments.

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

ADC CONSTRUCTION, LLC  
Name of Bidder

By: Domènec Clua

Purnima Sharma  
for GURDIP SAINI, P.E.  
Associate Commissioner/Design I



# ADDENDA CONTROL SHEET

PROJECT NO.: BEDA001

[illegible]



**ATTACH TO CONTRACT DOCUMENTS**

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

**PROJECT ID: BEDA001**

**FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT**

**Together With All Work Incidental Thereto**

**BOROUGH OF BROOKLYN**

**ADDENDUM NO. 7**

**DATED: March 25, 2015**

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**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. SPECIFIC PROVISIONS FOR WATER MAIN WORK
- B. NOTICE TO BIDDERS
- C. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS
- D. AMENDMENTS TO THE STANDARD SEWER AND WATER MAIN SPECIFICATIONS
- E. AMENDMENTS TO THE SPECIFICATIONS FOR TRUNK MAIN WORK



**A. SPECIFIC PROVISIONS FOR WATER MAIN WORK****SPW-1 DESCRIPTION OF WORK**

This is a Borough-wide annual contract to install water mains in connection with new building construction, or to improve the City's water main distribution system pertaining to water quality and fire protection on an as needed basis. Contract drawings/plans showing new water main work are not issued with this contract, but will be furnished to the Contractor with each Task Order, for the duration of this contract.

Work by Others - In the event there is need for required services in the borough(s) designated in the contract, the Commissioner reserves the right not to issue a task order to the Contractor and to have the work performed by another contractor, or by City employees, if the Commissioner, in the Commissioner's sole opinion, determines that the Contractor may be unable to satisfactorily provide the required services in a timely fashion.

**SPW-2 WORK TO BE DONE UNDER THIS CONTRACT**

Under this contract the Contractor may be required to install water mains in connection with new building construction. The Contractor may also be required to install water mains to improve the City's water distribution system, replace existing water mains requiring tap transfers or to cut in additional fire hydrants as deemed needed to existing water mains. The Contractor may be further required to replace existing nonfunctioning and/or defective fire hydrants on existing water mains, replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains and/or replace existing nonfunctioning and/or defective valves on existing water mains.

The Contractor shall be prepared to report to any designated location in accordance with Section SPW-4 - Issuance of Task Orders.

It shall be the Contractor's responsibility to obtain any and all permits needed to do the work under this contract, which shall include, but not be limited to, permits obtained from the Department of Transportation (Bureau of Traffic Operations), Police Department, Fire Department and the Transit Authority.

The Contractor is required to give twenty-four (24) hours prior notice before the start of the work in a manner satisfactory to the Engineer, to the Transit Authority, Department of Transportation (Bureau of Traffic Operations), Police Department and Fire Department so that proper arrangements can be made for maintaining traffic during the course of the work.

The attention of the Contractor is also called to the fact that under this type of contract, the City is not able to determine accurately in advance the quantity of each size of pipe and appurtenances that will be required to be installed as the quantities are dependent upon applications for water service to new buildings over which the City has no control.

The quantities of work set forth herein are only an estimate; they are not a guarantee of work and are included solely for the purpose of bid computation.

The City, however, will endeavor with each task order to have drawings/plans available for the Contractor to install the pipe quantities herein specified, as measured along the axes of the pipes in place and no allowance will be made if the quantities of the various sizes of pipe and appurtenances differ from that as specified.

At the conclusion of the contract, any task orders furnished to the Contractor in which work has not already commenced will be deleted from the contract. No additional compensation shall be made to the Contractor for these deleted locations. However, the Contractor may request from the Engineer to work beyond the expiration date of the contract provided there are sufficient funds and quantities of all necessary items to complete the required work. No extra allowance other than an extension of time will be granted to the Contractor to complete the proposed work.



The attention of the Contractor is also called to the fact that the duration of the contract is three hundred sixty-five (365) days and that the City does not guarantee or stipulate that the pipe laying work will be continuous.

The Contractor may be required to install water mains, including hydrants and appurtenances, and perform all excavations/restorations, etc. at various locations, in the borough. The Contractor will also be required to cut in additional fire hydrants as deemed needed to existing water mains, replace existing nonfunctioning and/or defective fire hydrants on existing water mains, replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains and/or replace existing nonfunctioning and/or defective valves on existing water mains. Task orders together with drawings/plans will be issued to the Contractor by the Commissioner or the Commissioner's duly authorized representative as applications warrant.

### SPW-3 WORK COMMENCEMENT AFTER RECEIVING TASK ORDER

Following the execution of the contract, water main installation drawings/plans will be issued with each task order to the Contractor by the Commissioner or the Commissioner's duly authorized representative. The water main drawings/plans will be issued to the Contractor as applications for water service to new buildings needs, distribution/fire protection needs, water quality needs and/or service needs which may warrant water main and/or appurtenance installations.

Based upon past experience, the following are approximate proportions of the total footage of pipe installed in various streets of contract, over six (6) month periods:

<u>Installation in Streets</u>	<u>Proportion</u>
75' to 150' in length	2%
151' to 300' in length	15%
301' to 500' in length	17%
501' and longer in length	66%

The City shall not be held responsible should these percentages differ for the work to be done under this contract.

As such, this contract may include the installation or replacement of hydrants and valves, as required, and spot repairs with minimal, if any, pipe replacement. The work of installing or replacing hydrants and valves shall include but not be limited to the following:

#### For Replacing Existing Fire Hydrants:

- (a) On Cast Iron Water Mains: Replace fire hydrant, 6-inch gate valve, 6-inch hydrant pipe connection and hydrant valve box to existing water main. Also, replace three-way connection on existing main and lengths of water main pipe for pipe restraint on each side of the three-way in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.
- (b) On Ductile Iron Water Mains: Replace fire hydrant and 6-inch hydrant pipe connection to the outlet of the existing hydrant gate valve. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.

#### For Replacing Existing Air Cock Hydrants:

- On All Trunk Mains: Replace air cock hydrant and 6-inch hydrant pipe connection to the outlet of the existing hydrant gate valve. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.

#### For Installing A New Fire Hydrant To An Existing Main:

- On All Water Mains: Install fire hydrant, 6-inch gate valve, 6-inch hydrant pipe connection, hydrant valve box, install three-way connection on existing main and lengths of water main pipe for pipe restraint on each side of the three-way in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also install hydrant fenders and reconstruct sidewalk, curb and roadway areas as required.



For Replacing Existing Gate Valves:

On All Water Mains: Replace gate valve, valve box and lengths of water main pipe for pipe restraint on each side of the valve in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also reconstruct sidewalk, curb and roadway areas as required.

For Installing A New Gate Valve On An Existing Main:

On All Water Mains: Install gate valve, valve box and lengths of water main pipe for pipe restraint on each side of the valve in accordance with **Subsection 60.12.3 (I) - Restrained Pipe Joints**. Also reconstruct sidewalk, curb and roadway areas as required.

**SPW-4 ISSUANCE OF TASK ORDERS**

- (A) **GENERAL:** The Contractor shall, for the duration of this contract, provide services as directed by the Engineer to install water mains in connection with new building construction, or to improve the City's water main distribution system pertaining to water quality and fire protection on an as needed basis, in accordance with the terms and conditions set forth herein.
- (B) **TRANSMISSION OF TASK ORDERS:**
- (1) The Engineer shall advise the Contractor of the need for services by issuing Task Orders to the Contractor as set forth in **paragraph (C)** below. The Engineer shall send Task Orders to the Contractor by e-mail, fax, or by telephone promptly confirmed by e-mail and/or fax.
  - (2) The Contractor shall, for the duration of this contract, provide and maintain at its place of business a dedicated telephone line, a dedicated e-mail address and a dedicated fax line for the receipt of Task Orders hereunder. The e-mail and fax machine shall be in operation twenty-four (24) hours per day, seven (7) days per week, for the duration of this contract. The Contractor shall not be entitled to any compensation for the provision of such equipment. All expenses for the required telephone, e-mail and fax lines shall be deemed included in the unit prices bid for all items in this contract.
- (C) **TASK ORDER:** When the need for services arises, the Engineer shall issue a Task Order to the Contractor together with drawings/plans. The Task Order shall specify the items set forth below:
- (1) Description and Location of the Project
  - (2) Length of Work
  - (3) Services to be Performed (install water mains in connection with new building construction, install water mains to improve the City's water main distribution system, replace existing water mains requiring tap transfers, to cut in additional fire hydrants on existing water mains, to replace existing nonfunctioning and/or defective fire hydrants on existing water mains, to replace existing nonfunctioning and/or defective air cock hydrants on existing trunk mains, cut in additional valves on existing water mains, replace existing nonfunctioning and/or defective valves on existing water mains, etc.)
  - (4) Completion Time (consecutive calendar days for completing work on each task order)
- (D) Time is of the essence as the public health and safety are involved. Accordingly, the Contractor shall perform the work at each and every ordered location promptly and diligently, using such means and methods of work as will assure its expeditious and satisfactory completion without delay. In light of the difficulty of ascertaining the amount of the City's damages in the event that the Contractor does not complete a task order within the time specified by the Engineer, the Contractor shall be assessed the amount stipulated in Schedule "A" for each consecutive calendar day over the completion time specified in each issued written task order, as and for liquidated damages and not as a penalty for failure to complete a task order within the time specified.
- (E) **PERSONNEL:** The Contractor shall provide adequate personnel and equipment at each ordered location. Prior to the start of work the Engineer shall approve such personnel and equipment. The Engineer reserves the right to determine the personnel and equipment required to adequately and



properly carry out the intent of this contract. The Contractor must be prepared to provide adequate personnel and equipment to perform the services specified herein at up to three (3) concurrent sites.

- (F) **NO RIGHT TO REFUSE:** The Contractor shall have no right to reject or decline to perform any Task Order issued under this contract. However, if the Contractor is unable to begin the required work for any reason, the Contractor shall so notify the Engineer by telephone as soon as possible, such notifications to be followed by an explanation in writing as to the reasons why the Contractor is unable to begin the required work.
- (G) **SUPPLEMENTARY TASK ORDERS:** The Contractor shall perform only the work specifically ordered by the Engineer in the ~~written~~ Task Order. The Department of Design and Construction reserves the right to order additional work through Supplementary Task Orders issued by the Engineer, as the work on the original Task Order progresses.

#### **SPW-5 EXAMINATION AND VIEWING OF SITE, ETC.**

In Contract Book, Volume 2 of 3, INFORMATION FOR BIDDERS, Page 2, Section 8 - Examination and Viewing of Site, Consideration of Other Sources of Information and Changed Conditions, DELETE Paragraph (A), in its entirety and **SUBSTITUTE** the following:

"(A) Contractor (Investigation) Viewing of Sites - The Contractor after issuance of task order from the Commissioner or duly authorized representative must carefully view and examine the site of the proposed work, as well as its adjacent areas, and seek other usual sources of information, for the Contractor will be conclusively presumed to have full knowledge of any and all conditions on, about or above the sites relating to or affecting in any way the performance of the work to be done under this contract which were or should have been indicated to a reasonably prudent Contractor. Upon examination of the sites and/or from other usual sources of information, the Contractor finds conditions that are unusual, and may materially affect the cost of the work to be done under this contract, the Contractor shall follow the procedure specified in INFORMATION FOR BIDDERS, Page 2, Section 8, Paragraph (B)."

#### **SPW-6 GUARANTEED MINIMUM**

In the event the Contractor is not issued any Task Orders hereunder, the City agrees to pay, and the Contractor agrees to accept, a minimum fee of two thousand dollars (\$2,000.00). The Contractor further agrees that under such circumstances, the Contractor has no action for damages or for loss of profits against the City.



**B. NOTICE TO BIDDERS**

- (1) The Contractor is advised that the duration of the contract is one (1) year from the date of Order to Commence Work.

- (2) (A) The Contractor is advised that copies of the Standard Sewer And Water Main Specifications (dated July 1, 2014), Sewer Design Standards (dated (September 2007) Revised January 2009), Specifications For Trunk Main Work (dated July 2014) and Water Main Standard Drawings (latest revisions) are available to all prospective bidders at no cost upon presentation of receipt of purchase of Bid Package at the following location:

Department of Design and Construction  
Division of Infrastructure  
Design Services, Specifications, 3<sup>rd</sup> Floor  
30-30 Thomson Avenue  
Long Island City, NY 11101

(B) The Contractor is advised that copies of the Standard Highway Specifications (Volume I and II) (dated November 1, 2010), Standard Highway Details of Construction (latest revisions), Division of Street Lighting Specifications (latest revisions), Division of Street Lighting Standard Drawings (latest revisions), Standard Specifications for Traffic Signals (latest revisions), and Standard Drawings for Traffic Signals (latest revisions) are available to all prospective bidders for a fee at the following location:

Department of Transportation  
55 Water Street, Ground Floor  
New York City, NY 10041

- (3) 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.
- (4) 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.
- (5) 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.
- (6) 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.
- (7) 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 1<sup>st</sup>, April 1<sup>st</sup>, July 1<sup>st</sup> and September 1<sup>st</sup>) 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.

- (8) The Contractor is responsible for any damage to the existing street and traffic signal equipment, including underground conduits and the safety of both pedestrian and vehicular traffic for the duration of the contract.

Should any conduits, cables or foundations need repair due to the Contractor's negligent operations during construction, all work shall be performed according to NYCDOT Bureau of Traffic's Standard Drawings and Specifications at the sole expense of the Contractor.

It is the Contractor's responsibility to secure an approved electrical contractor to perform all traffic signal work (if any). For list of approved electrical contractors, contact Mr. Michael R. LeFosse of New York City Department of Transportation at (718) 786-2236.

- (9) (A) There is no provision for "ENGINEER'S FIELD OFFICE" in this contract, as per **New York City Department of Transportation (NYCDOT) Standard Highway Specifications Section 6.40 - Engineer's Field Office.**

- (10) The Contractor will be required to prepare and submit "**As Built**" sewer record drawings to the Engineer for approval, at the completion of each installation. Drawings submitted at the completion of the entire contract after all installations shall not be accepted. Approved "**As Built**" drawings shall be delivered to the Department of Environmental Protection, Chief of Emergency Construction, 59-17 Junction Boulevard, 6th Floor - High Rise, Corona, New York, 11368, Tel. No. (718) 227-1868. The following guideline is provided for the preparation of "**As Built**" sewer record drawings:

(A) Drawings shall be prepared for each individual unrelated location. The drawings shall be submitted in CADD format on CD's along with a plotted Mylar for each location drawing. The drawings on CD's and the plotted Mylar's shall be legal size (8-1/2" x 14"). The Mylar shall be 3-mil in thickness.

(B) The "**As Built**" drawings shall conform to Department of Environmental Protection (DEP) Emergency Construction Drawings (ECD). A sample copy of the ECD may be obtained at the above office together with DEP guidelines. These DEP guidelines are summarized below:

- (1) Drawings shall consist of the same legend and layout of title boxes shown on the sample ECD drawing.
- (2) Drawings shall consist of a location plan view on one sheet. The location plan view shall be drawn Not-To-Scale.
- (3) Drawings shall contain a note making reference to the datum used. (Datum used shall be that of the Borough where the sewer is located.)
- (4) Each plotted Mylar drawing shall contain the signature and stamp of the Contractor's NYS Professional Engineer/Registered Architect.
- (5) The location plan view shall include:
  - (a) street name and two (2) crossing streets or distance from;
  - (b) north arrow;
  - (c) property lines and widths;
  - (d) curb lines and widths;
  - (e) sewers, manholes, catch basins, connections (No horizontal bends allowed on sewer lines);
  - (f) sewer sizes, materials (ESVP, RCP, DIP, etc.), and types (New, Existing, Sanitary, Storm, Combined, etc.);
  - (g) sewer length (between centerlines of manholes);
  - (h) sewer flow direction;
  - (i) offsets of sewer lines or extensions from property lines (not curb lines);
  - (j) foundations (concrete cradle, stone ballast, piles, etc.);
  - (k) manholes types (Precast, Concrete, Brick, A-1, A-2, etc.);
  - (l) manhole elevations (both rim and invert);



- (m) manhole stationing along installed sewers;
  - (n) catch basins types (Type 1, Type 2, etc.);
  - (o) catch basin connections;
  - (p) show actual number of manholes and catch basins;
  - (q) house connection spurs (stations and locations);
  - (r) address of house connections (new connections and reconnections);
  - (s) house connection information at curb (station, length, depth and offset from the curb);
  - (t) details of non-standard structures or appurtenances constructed;
  - (u) location of all existing and installed offset distances from property lines;
  - (v) for shotcreted sewers (thickness and reinforcement of shotcreting); and
  - (w) all appropriate notes.
- (6) Examples of notes that can be used are as follows:
- (a) Unless otherwise noted, all house connections are 6" ESVP;
  - (b) Unless otherwise noted, all catch basins are Standard Type 1;
  - (c) Unless otherwise noted, all new curb connections are at a depth of approximately 8-feet at the curb and are 2-feet inside the curb line;
  - (d) Unless otherwise noted, all built manholes are brick;
  - (e) Unless otherwise noted, all catch basin connections are 12" DIP on crushed stone;
  - (f) unless otherwise noted, all ESVP sewers are installed on 6" concrete cradle;
  - (g) Pipe lengths are measured from inside face of manhole to inside face of manhole.

(C) The cost of preparing and submitting "As Built" approved drawings shall be deemed included in the prices bid for all scheduled bid items in the contract. No separate or additional payment will be made for this work.

- (11) The Contractor will be required to prepare and submit "As-Built" water main record drawings to the Engineer for approval, at the completion of each installation. Drawings submitted at the completion of the entire contract after all installations shall not be accepted. Approved "As-Built" drawings shall be delivered to the Department of Environmental Protection, Chief of Emergency Construction, 59-17 Junction Boulevard, 6th Floor - High Rise, Corona, New York, 11368, Tel No. (718) 227-1868. The following guideline is provided for the preparation of "As-Built" water main record drawings:

(A) Drawings shall be prepared for each individual unrelated location. The Contractor shall prepare the "As-Built" drawings on AutoCAD and shall provide to the City two (2) sets of Mylar and AutoCAD files on a CD for each location drawing. For Trunk Mains - The drawings shall be on CD's and the plotted Mylar's shall conform to the standard size of 22" x 36" (559-mm. x 914-mm.) using a 1"=30' (1:360) horizontal and 1"=10' (1:120) vertical scale. The Mylar shall be 3-mil in thickness. For Distribution Mains - The drawings shall be on CD's and the plotted Mylar's shall be field card size 6" x 4". The Mylar shall be 3-mil in thickness. Two (2) copies on regular field card stock paper shall also be provided.

(B) The "As-Built" drawings shall conform to Department of Environmental Protection (DEP) Emergency Construction Drawings (ECD). A sample of the ECD may be obtained at the above office together with DEP guidelines. These guidelines are summarized below:

- (1) Drawings shall consist of the same legend and layout of title boxes shown on the contract drawings.
- (2) Each plotted Mylar drawing shall contain the signature and stamp of the Contractor's NYS Professional Engineer/Registered Architect.
- (3) The drawings shall include:
  - (a) street name and crossing street(s) or distance from;
  - (b) north arrow;
  - (c) property lines and widths;
  - (d) legal and existing street widths, street alignment and grades;
  - (e) "new" curb lines and widths;
  - (f) water main center line measured off the "new" curb line;



- (g) horizontal stationing for all valves, hydrants, outlets, blow-offs, house service connections, etc., measured on a horizontal line as established by the Borough Office Bureau of Topographic;
- (h) alignment and appurtenance location stationing, and deflection angles;
- (i) cover and elevations (Datum used shall be that of the Borough where work is located);
- (j) location of pipe joints;
- (k) profile of all piping;
- (l) complete details of all outlet piping roundabouts;
- (m) complete details of all blow-off connections to the sewer;
- (n) complete details of all air cocks;
- (o) location of taps and access manholes;
- (p) location of all cathodic protection stations;
- (q) Venturi sensing lines plans and profiles;
- (r) all appropriate notes.

(C) The cost of preparing and submitting "As Built" approved drawings shall be deemed included in the prices bid for all scheduled bid items in the contract. No separate or additional payment will be made for this work.

(12) Any spot repair shall mean that the existing sewer at locations shall be replaced in the kind to the extent as specified by the Engineer.

(13) The cost of sewer replacement under spot repair shall be deemed included in the price bid for item Nos. 1.A50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS), Item No. 1.B50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.C50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.D50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.E50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10), Item No. 1.F50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.G50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.H50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.I50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.J50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.K50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.L50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.M50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.N50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.O50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.P50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO.



1.B50.31PC08), Item No. 1.Q50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.R50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.S50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.T50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.U50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.V50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.W50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.X50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.Y50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Z50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.AA50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.BB50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), and Item No. 1.CC50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10).

- (14) The Contractor shall be required to televise the condition of existing sewers between the adjoining existing/new manholes before and after the spot repair work is completed. The cost of the TV inspection shall be deemed included in the price bid for item No. 53.11DR - TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS.
- (15) The Contractor is notified that at some locations there presently exists sewers, manholes, water mains, etc., which are to remain undisturbed and are in close proximity to the line of the proposed work. The Contractor shall exercise extreme care, minimize the trench width of the proposed sewers and take all necessary precautions in placing sheeting and during excavation of the trenches to prevent any damage to the existing structures, pavement, curbs, and sidewalks that are to remain while working adjacent to them. Should any damage occur to any portion of the existing structures that are to remain due to the Contractor's operations, the Contractor shall make all repairs to the existing structures to the satisfaction of and as directed by the Engineer. The cost of such repair shall be borne by the Contractor, at no cost to the City.



### C. AMENDMENTS TO THE STANDARD HIGHWAY SPECIFICATIONS

- (1) Refer to Standard Highway Specifications Volume II (November 1, 2010), Page 544:  
Add the following new **Section 9.32**:

#### SECTION 9.32 - Reinforced Silt Fence

**9.32.1. DESCRIPTION OF WORK.** The Contractor shall furnish all materials, labor, equipment and incidentals necessary to construct a reinforced silt fence, comprised of a construction (limiting) fence, filter fabric, and staked hay bales, as specified herein.

Upon furnishing and installing the approved reinforced silt fence but prior to commencing any other work on-site, the Contractor shall notify the Engineer and arrange for an on-site inspection.

The reinforced silt fence shall be maintained in good condition and repaired as necessary by the Contractor during the construction and post-construction/site stabilization phases as directed by the Engineer.

#### 9.32.2. MATERIALS AND METHODS.

(1) Construction (Limiting) Fence: The construction (limiting) fence shall be a welded wire fence with a minimum height of six (6) feet. The fence shall be constructed of wire fabric fastened to the middle rails and to vertical line posts.

Wire fabric shall be of No. 6 gauge wire with a mesh of approximately 2-inches. The upper edge of the fabric shall be twisted and barbed. The fabric shall be securely fastened to vertical line posts and middle rails by means of ties and spaced not more than 12-inches apart on rails and not more than 14 inches apart on line posts.

Post shall have the following nominal outside diameters and minimum weights per linear foot:

- (a) Line posts 2-1/2-inches @ 3.7-lbs.
- (b) End and corner posts 3-inches @ 5.8-lbs.
- (c) Middle rails 1-5/8-inches @ 2.3-lbs.

The construction (limiting) fence shall be located where directed. The fence shall be adjusted to avoid interference with trees and to maintain access.

Line posts shall be spaced not more than 6-feet on centers. Posts shall be securely set in the ground. Line posts shall extend at least 4-feet below finished grade. Post locations shall be adjusted to avoid tree roots as appropriate.

(2) Filter Fabric: Filter fabric shall be securely attached to the vertical line posts and wire fabric, and shall be situated between the wire fabric and staked hay bales.

The filter fabric shall be purchased and delivered in a continuous roll and cut on-site to the length of the barrier(s) to avoid the use of joints. Dimensions of the roll shall be thirty-six (36) inches by one hundred (100) feet in length. When joints are necessary, filter cloth shall be spliced together only at a line post, with a minimum 6-inch overlap, and securely sealed. The filter fabric shall meet NYSDOT specifications on same, and shall be fabric #2130 as manufactured by Mutual Industries Inc., 707 W. Grange Street, Philadelphia, PA 19120, or approved equivalent.

A trench shall be excavated approximately 4-inches wide and 4-inches deep along the line of posts and up slope from the barrier. The filter fabric shall be extending into the trench, the trench backfilled, and the soil compacted over the filter fabric.



Siltation fences shall be removed when they have served their useful purpose, but not before the up slope area has been permanently stabilized.

(3) Hay Bales: All hay bales shall be of straw, and shall be standard sized bales. Bales shall be placed in a single row, with ends of adjacent bales tightly abutting one another. Bales shall be placed up slope of the filter fabric, and shall at all times run parallel to the construction (limiting) fence and abut the filter fabric.

All bales shall be fiber-bound. No string bound hay bales are accepted. Hay bales shall be installed so that bindings are oriented around the sides rather than along the tops and bottoms of the bales in order to prevent deterioration of the bindings.

The hay bale barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a depth of 4-inches. After the bales are staked and chinked, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built up to 4-inches against the uphill side of the hay bale barrier.

Each bale shall be securely anchored by at least two stakes or steel reinforcing bars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes or reinforcing bars shall be driven deep enough into the ground to securely anchor the bales.

The gaps between bales shall be chinked (filled by wedging) with straw to prevent water from escaping between the bales. The Contractor shall scatter loose hay over the area immediately uphill from the straw bale barrier to increase barrier efficiency.

Hay bale barriers shall be removed when they have served their usefulness, but not before the up slope areas have been permanently stabilized.

**9.32.3. MAINTENANCE.** The reinforced silt fence shall be inspected periodically (at least once per week), or as directed by the Engineer. Any required repairs shall be made immediately.

Filter fabric shall be inspected at least once per week and immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately. Should the fabric decompose or become ineffective prior to the end of the expected usable life while the barrier is still necessary, the fabric shall be replaced promptly.

Hay bales shall be inspected at least once per week and immediately after each rainfall and at least daily during prolonged rainfall. Close attention shall be paid to the repair of damaged bales, end runs and undercutting beneath bales. Necessary repairs to barriers or replacement of bales shall be accomplished promptly. Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half foot deep in front of the hay bale. Any sediment deposits remaining in place after the hay bale barrier is no longer required shall be dressed to conform to the existing grade.

**9.32.4. MEASUREMENT.** The quantity to be measured for payment under this section shall be the total number of linear feet of Reinforced Silt Fence installed and maintained in accordance with the plans, specifications and directions of the Engineer. Each linear foot of Reinforced Silt Fence shall be comprised of the following three elements: a construction (limiting) fence, filter fabric and staked hay bales.

**9.32.5. PRICE TO COVER.** The unit bid price shall constitute full compensation for all labor, materials, equipment, and incidentals necessary to complete the work, including but not limited to the furnishing of all samples and tests as required, in accordance with the plans and specifications and to the satisfaction of the Engineer.

*Payment will be made under:*



Item No.	Item Description	Pay Unit
9.32	REINFORCED SILT FENCE WITH STAKED HAY BALES	L.F.



**D. 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

There are CON EDISON facilities in the areas of reconstruction. The existing systems are comprised of underground ducts, service boxes, manholes, street lighting, utility poles, underground transformer vaults, etc. The Contractor shall notify CON EDISON within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Robert Mata, Section Manager Contract Administration and Inspection (Brooklyn), 118-29 Queens Boulevard, Room B206, Forest Hills, NY 11375, at (718) 275-2935.

(2) NATIONAL GRID

There are NATIONAL GRID facilities in the areas of reconstruction. The Contractor shall notify NATIONAL GRID within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Neville Jacobs Jr., (Brooklyn) at (718) 963-5612.

(3) VERIZON

There are VERIZON facilities in the areas of reconstruction. The Contractor shall notify VERIZON within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Ed Palmer, (Brooklyn) at (718) 977-8138.

(4) TIME WARNER CABLE OF NEW YORK AND CABLEVISION

There are TIME WARNER CABLE and CABLEVISION facilities in the areas of reconstruction. The Contractor shall notify TIME WARNER CABLE and CABLEVISION within the initial response time specified at time of notification of the task order at each ordered location by contacting Mr. Paul Fucci, V.P., Technical Operations at (718) 888-4250 or Ed Vomero at (718) 888-4232.

- (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. James Garin, P.E., Director, Engineering at the Department of Environmental Protection, 59-17 Junction Blvd., 3rd floor low rise, Corona N.Y. 11368, within the initial response time specified at time of notification of the task order at each ordered location.

(2) NEW YORK CITY FIRE DEPARTMENT

**Special New York City Fire Department Requirements:**

- (a) Access must be maintained for emergency vehicles at all times.
- (b) Hydrants should be retained in service and accessible to the fullest extent feasible.
- (c) The Fire Department must be notified by the Bureau of Water Supply and Wastewater Collection forthwith when water mains and/or hydrants are placed out of service and in service.
- (d) If alarm boxes or alarm facilities are affected, the Bureau of Fire Communications must be notified immediately by the Contractor.



(e) During the course of the work at several locations, the Contractor may be required to relocate and/or protect existing Fire Department subsurface facilities. The approximate location of Fire Department Facilities can be obtained by contacting the Bureau of Fire Communications.

(f) All work on Fire Department facilities is to be done under direct Fire Department supervision, to the satisfaction of the Fire Department.

(g) Standards and specifications for the work of replacing Fire Communications system are available for reference at the:

New York City Fire Department  
Bureau of Fire Communications  
9 Metrotech Center, 7th Floor  
Brooklyn, N.Y. 11201-3857  
Attention: Stephen M. Gregory  
Assistant Commissioner  
Bureau of Fire Communications

### (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 Boulevard, Long Island City, N.Y. 11101 at (718) 786-3550, within the initial response time specified at time of notification of the task order at each ordered location.

### (4) N.Y.C. DEPARTMENT OF PARKS AND RECREATION

#### Special Department Of Parks And Recreation Requirements:

Department of Parks and Recreation requirements for this contract are as follows and are considered as part of this contract. The Contractor's special attention is directed to the following:

(a) Care shall be taken to protect all existing trees. The Contractor shall ensure that all trees are protected from construction damage, and shall perform all work as directed by the Borough Forester, the Engineer and the Tree Consultant. Trees damaged as a result of the Contractor's negligent construction operation shall be replaced in accordance with Subsection 10.06. The Contractor shall be liable for such damages and shall repair and replace such trees at own expense.

(b) The Contractor shall prune all trees shown, specified or ordered before excavation begins. All pruning of limbs and roots of existing trees shall be performed by an Arborist or firm recognized as a tree surgery or pruning specialist with three (3) years experience. The Contractor must submit the qualifications of the Arborist or firm for approval by the Borough Forestry prior to the pruning operation. The Contractor is notified that a permit for pruning is required. All work shall be performed in accordance with Subsection 10.06.

(c) Trees shall be protected in accordance with Subsection 10.06.

(d) The Contractor shall not be permitted to operate auxiliary equipment that generates exhaust or other heat upward (i.e. generators and compressors), under the branches of trees where the branches are less than twenty-five (25) feet above the ground. The Contractor shall not be permitted to store, stockpile, lay down or store any construction material within any existing tree pit within the canopy of any tree, or within ten (10) feet of the tree trunk, whichever is greater.

(e) All tree work requires a permit from the Parks Departments.

(f) Hand excavation shall be required around existing fire hydrants to be removed, if the Borough Forester or the Engineer determines that such work shall cause damage to tree roots. No



separate or additional payment will be made for this hand excavation the cost shall be deemed included in the prices bid for all scheduled items.

(g) The Director of Borough Forestry of the Department of Parks and Recreation shall be notified at time of notification of the task order when such task order impacts trees and their root and canopy system. The applicable Borough Forestry Office is as follows:

Central Forestry: - 1234 Fifth Avenue, New York, NY 10029, Tel. No. (212) 360-1400

(5) N.Y.C. TRANSIT AUTHORITY

The Contractor shall notify the Transit Authority within the initial response time specified at time of notification of the task order by contacting Mr. John Malvasio, P.E., Director of Maintenance-Of-Way, 30 Livingston Street, Room 8044D, Brooklyn, New York, 11201, at (718) 694-1358 if any T.A. facility is within fifty (50) feet of the reconstruction work.

- (3) Refer to Subsection 10.30 - Contractor To Provide For Traffic, Page I-15:  
Add the following to Subsection 10.30:

(A) TRAFFIC STIPULATIONS:

The Contractor shall obtain all permits and traffic requirements from the Office of Construction Mitigation and Coordination (OCMC) prior to the start of work at any ordered location. The Contractors shall contact Nicolas Dagher at 212-839-9637 or John Martin at 212-839-9639, NYC Department of Transportation, Division of Engineering Control, 55 Water Street, 7<sup>th</sup> Floor, New York, NY 10041.

- (4) Refer to Subsection 10.32 - Photographs, Page I-16:  
Delete paragraphs number (7), (8) and (9) in their entirety:  
Substitute the following new paragraphs:

(7) The cost of the Photographer and for the taking and providing of all required photographs, negatives, etc., shall be deemed included in the unit price bid for Item No. 10.32A - PHOTOGRAPHS.

(8) No separate payment will be made for the expense of furnishing the required binders; the cost thereof shall be deemed included in the unit price bid for Item No. 10.32A - PHOTOGRAPHS.

(9) The Engineer reserves the right to reject any and all views that are not reasonably clear and definitive. No payment will be made for any rejected photographs, payment under Item No. 10.32A - PHOTOGRAPHS, shall be made only for those photographs that are accepted by the Engineer.

- (5) Refer to Section 40.06 - Backfilling, Page IV-18:  
Delete from this section, Subsection 40.06.2(D) - CLEAN FILL in its entirety:  
Substitute the following new Subsection 40.06.2(D):

(D) CLEAN FILL

- (1) Clean fill material for this contract shall be select granular fill ordered in writing by the Engineer where there is a deficiency of acceptable backfill. Select granular fill material shall be required in order to fill voids in the trenches and excavations, (For Sewers Trenches - from a point not less than two (2) feet above the top of sewers to the underside of the pavement as it existed at the start of the work; and, For Water Main Trenches - from a point not less than twelve (12) inches above the top of the barrel of the water main pipe to the underside of the pavement as it existed at the start of the work), caused by the removal of boulders, unsuitable backfill materials, existing sewers and associated sewer structures, and any other underground facilities or structures, and



shall be approved clean earth or sand of low silt and clay content (less than eight (8) percent passing No. 200 sieve), free from bricks, blocks, excavated pavement materials and debris, stumps, roots and other organic matter, as well as ashes, oil and other perishable or foreign matter and shall not contain particles larger than one quarter (1/4) inch in diameter.

- (2) This backfill shall be exclusive of the normal backfill required in the trenches and excavations for proposed sewers and associated sewer structures for which payment is included therein. Payment shall be made in accordance with **Subsection 40.06.6**.

- (6) **Refer** to **Section 40.06 - Backfilling**, Page IV-18:

**Delete** from this section, paragraphs (B) and (C) of **Subsection 40.06.6 - Deficiency Of Backfill Material** in their entirety:

**Substitute** the following new paragraphs:

- (B) For providing acceptable select granular fill (whether natural or processed) to satisfy the requirements of **Subsection 40.06.2(D)** to fill voids left by the removal of ledge rock payment shall be made under Item No. 70.61RE - ROCK EXCAVATION. The Contractor's attention is directed to **Section 70.61 - Rock Excavation** of the specifications, and that all references to clean fill therein, shall mean select granular fill.

- (C) For providing acceptable select granular fill (whether natural or processed) to satisfy the requirements of **Subsection 40.06.2(D)** payment shall be made under Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL. The Contractor's attention is directed to **Section 73.41 - Additional Select Granular Backfill** of the specifications, with the addition that the conditions for use as specified in **Subsection 73.41.1** shall be expanded to include those specified in **Subsection 40.06.2(D)** as amended hereinbefore.

- (7) **Refer** to **Section 70.51 - Excavation Of Boulders In Open Cut**, Page VII-37:

**Add** the following new **Subsection 70.51.6**:

#### **70.51.6 EXISTING SEWER ENCASED IN CONCRETE**

The Contractor is advised that at certain locations, the existing sewer to be removed may be encased in concrete. Where this condition is encountered, the Contractor shall remove the concrete encasement from the site. The quantity, in cubic yards, to be measured for payment shall be determined by taking the total volume of the encased sewer including the cradle portion less the volume of the sewer pipe. Payment shall be made at the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT and shall cover the cost of all labor, materials, plant, equipment and insurance necessary to remove the concrete encasement, together with all work incidental thereto, as directed by the Engineer. The cost of any additional backfilling required to be done in connection with this work shall be deemed included in the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT.

- (8) **Refer** to **Subsection 71.41.4 - Specific Pavement Restoration Provisions**, Pages VII-67 and VII-68:

**Add** the following to **Subsection 71.41.4**:

- (E) Specific Pavement Restoration Provisions:

Upon completion, at each and every ordered location, of installation of water mains and the reconstructed collapsed or otherwise defective storm, sanitary or combined sewers and the backfill and compaction of all sewer and water main trenches, the Contractor shall permanently restore all roadways, sidewalks and curbs within the ordered limits of the trench width and cutbacks as follows:

- (1) In all streets requiring sewer and water main work, the permanent pavement restoration shall be as follows:



- (a) The permanent roadway restoration over the **trench widths 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 high-early strength concrete, to match the existing pavement as directed by the Engineer.

(2) Sidewalk And Curb Restoration:

- (a) The permanent sidewalk restoration over the **trench width and cutbacks only** shall consist of 4" concrete sidewalk (unpigmented) outside driveway and 7" concrete sidewalk (unpigmented) inside driveway and pedestrian ramps, as directed by the Engineer. All sidewalks shall be restored in full flag units.

- (b) Since all sidewalks shall be restored in full flag units, the cutbacks for sidewalk restoration shall be defined as the distances beyond the edges of the trenches that require removal in order to get to an adjacent undisturbed full flag unit. For the purpose of this contract sidewalk shall be saw-cut, removed and restored in full flag units up to a maximum overall width of ten (10) feet (two (2) full flag units).

- (c) The permanent restoration of curbs over the **trench width only** shall consist of concrete curb, straight steel faced concrete curb, depressed steel faced concrete curb and corner steel faced concrete curb, as directed by the Engineer.

- (d) The cost of all labor, materials, equipment, samples and tests required and necessary to permanently restore the curbs over the trench width and cutbacks only shall be deemed included in the prices bid for Item No. 1.A50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS), Item No. 1.B50.31PC08 - 8" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET) (FIXED UNIT PRICE TO BE 70% OF UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.C50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.D50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$5.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.E50.31PC10 - 10" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE 90% OF UNIT PRICE BID FOR ITEM NO. 1.D50.31PC10), Item No. 1.F50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.G50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.H50.31PC12 - 12" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$10.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.I50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.J50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.K50.31PC15 - 15" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$15.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.L50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$25.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.M50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE



\$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.N50.31PC18 - 18" E.S.V.P. SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$20.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.O50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.P50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Q50.21P3C024D - 24" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$30.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.R50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.S50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.T50.21P3C030D - 30" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$35.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.U50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.V50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.W50.21P3C036D - 36" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$40.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.X50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.Y50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.Z50.21P3C042D - 42" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$45.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 1.AA50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (MINIMUM 15 FEET LENGTHS) (FIXED UNIT PRICE TO BE \$55.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.A50.31PC08), Item No. 1.BB50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND THE MINIMUM 15 FEET TO A MAXIMUM OF 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.B50.31PC08), Item No. 1.CC50.21P3C048D - 48" R.C.P. CLASS III SEWER, ON CONCRETE CRADLE (ADDITIONAL LENGTH BEYOND 100 FEET) (FIXED UNIT PRICE TO BE \$50.00 PLUS UNIT PRICE BID FOR ITEM NO. 1.E50.31PC10), Item No. 60.12D20 - LAYING 20-INCH DUCTILE IRON PIPE AND FITTINGS, Item No. 60.12D12 - LAYING 12-INCH DUCTILE IRON PIPE AND FITTINGS, Item No. 60.12D08 - LAYING 8-INCH DUCTILE IRON PIPE AND FITTINGS, and Item No. 60.12D06 - LAYING 6-INCH DUCTILE IRON PIPE AND FITTINGS.

(3) The following requirements apply to subsection (1) above only:

- (a) Before the top course is installed, an additional width of asphalt beyond the edge of new base course shall be saw-cut and removed from all edges of trenches to a depth to accommodate the specified top course and the entire area restored. This additional removal shall be in accordance with paragraph (b) below.
- (b) Pavement excavation along with saw cutting of pavements for sewer and water main trenches shall be in accordance with **Section 71.21 - Pavement Excavation** of the Standard Sewer And Water Main Specification. Payment for this work will be made under item no. 6.02 AAN - UNCLASSIFIED EXCAVATION.



- (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 tack coating, removal of pavement markings and replacement with thermoplastic reflectorized pavement markings (crosswalks and lane dividers), placement and eradication of temporary roadway markings, stripping or milling of pavement keys and adjustment of city-owned castings shall be deemed included in the prices bid for all pavement restoration items.
- (f) Payment for pavement restoration shall be made under the following items:

<u>Item No.</u>	<u>Item</u>	<u>Payment Description</u>
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 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 in Type A and B Keys.)
4.04 H	Concrete Base For Pavement, Variable Thickness For Trench Restoration, (High-Early Strength)	(For concrete base course over trenches and cutbacks.)

- (4) The cost for excavation of pavements, curbs and sidewalks within limits of sewer and water trenches and cutbacks, and as ordered by the Engineer, shall be deemed included in the price bid for item No. 6.02 ANN – UNCLASSIFIED EXCAVATION.
- (5) All Sidewalks; Driveways; Curbs; Corner Curbs; Pedestrian Ramps; and Roadway base courses, within the ordered limits of work and as directed by the Engineer, top courses and wearing courses shall be installed in conformance with the latest Department of Transportation Specifications and Standard Details, except as amended herein.
- (6) The Contractor shall exercise caution during the construction operation, so as to prevent damage and/or disturbance to sidewalks, curbs and roadways outside the ordered reconstruction limits of trench width and cutbacks.
- (7) All disturbed grass sidewalk areas over the trench width and cutbacks only shall be restored in conformance with the **New York City Department of Transportation (NYCDOT) Standard Highway Specifications Section 4.19 - Sodding**. The cost of all labor, materials, equipment, samples and tests required and necessary to install sod in grass sidewalk areas over the trench width and cutbacks shall be deemed included in the prices bid. No separate or additional payment will be made for this work.
- (8) Should granite block, asphalt block or brick pavement be encountered over the trench width and cutbacks only, five (5) inches of binder mixture shall be substituted for the blocks and bricks removed. The binder mixture shall be installed on a base course of a minimum of six (6) inch of high-early strength concrete and topped with 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 to match the existing pavement as directed by the Engineer. All granite or brick removed



shall be delivered to the designated City Yard. The cost of all labor, materials, equipment, samples and tests required and necessary to install new pavement as described herein to replace granite block, asphalt block or brick pavement over the trench width and cutbacks shall be paid for as per subsection (3)(f) above.

- (9) If additional roadway restoration is required and ordered in writing by the Engineer outside the ordered limits of trench widths and cutbacks the cost of all labor, materials, equipment, samples and tests required and necessary to perform this additional roadway restoration work shall be deemed included in the prices bid for Item No. 4.02 CA - BINDER MIXTURE, Item No. 4.02 CB - ASPHALTIC CONCRETE MIXTURE, and Item No. 4.04 H - CONCRETE BASE FOR PAVEMENT, ~~VARIABLE THICKNESS~~ FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH). Included in the prices bid for these items shall be the cost for all excavation of pavements, tack coating, removal of pavement markings and replacement with thermoplastic reflectorized pavement markings (crosswalks and lane dividers), placement and eradication of temporary roadway markings, stripping or milling of pavement keys and adjustment of city owned castings. No separate or additional payment will be made for this work.
- (10) All sidewalk restoration work within the limits of the trench and cutbacks and as directed by the Engineer shall be deemed included in the prices bid for Item No. 4.13 AAS - 4" CONCRETE SIDEWALK (UNPIGMENTED), and Item No. 4.13 BAS - 7" CONCRETE SIDEWALK (UNPIGMENTED).
- (9) Refer to Page VII-104:  
Add the following new **DIVISION VIII**:

**DIVISION VIII**  
**DETAILED SPECIFICATION FOR RECONSTRUCTION OF COLLAPSED OR OTHERWISE**  
**DEFECTIVE STORM, SANITARY OR COMBINED SEWERS**

**DSS-1 INTENT**

It is intent of this contract, at all locations and areas ordered under this contract as determined by the New York City Department of Environmental Protection and as directed by the Engineer to reconstruct sections of existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers in roadways, sidewalks, malls, medians, pedestrianways, easements or other non-roadway areas including the reconnection of all existing house sewers, basin connections, and the construction of new manholes as required.

The sections of existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers shall be removed and reconstructed with Extra Strength Vitrified Clay Pipe on Concrete Cradle and/or Precast Reinforced Concrete Pipe on Concrete Cradle, complete, as shown, specified or required.

The Contractor, when so ordered by the Engineer, will be required to substitute the use of Ductile Iron Pipe on Stone Bedding in lieu of Extra-Strength Vitrified Clay Pipe on Concrete Cradle for the various sized pipes indicated in the Bid Schedule. The Ductile Iron Pipe shall meet all of the requirements, standards and specifications of the Department of Environmental Protection. The payment for Ductile Iron Pipe on Stone Bedding will be made under the applicable unit prices bid for the various sizes of Extra-Strength Vitrified Clay Pipe on Concrete Cradle. The substitution of 15-inch Extra-Strength Vitrified Clay Pipe will be made with 16-inch Ductile Iron Pipe.

At each ordered location the length of existing collapsed or otherwise defective Storm, Sanitary or Combined Pipe Sewer to be reconstructed will vary; however, the length will generally not be less than fifteen (15) feet per trench opening. The actual length at each ordered location and the area of reconstruction will be determined by the New York City Department of Environmental Protection and as directed by the Engineer. For each reconstruction less than a manhole length, the trench opening shall be at least one and one-half (1-1/2) feet longer at the ends of the reconstruction to permit proper jointing.



**DSS-2 STANDARD SEWER AND WATER MAIN SPECIFICATION**

Unless otherwise specified, all work and materials shall conform to the applicable sections of 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), and the Standard Highway Specifications (Volumes I and II) of the Department of Transportation (dated November 1, 2010) of The City of New York.

**DSS-3 DEFINITIONS**

Whenever the following pronoun appears in this contract, the meaning and intent shall be interpreted as follows unless a different meaning is clear from the context: "Engineer" shall mean the Director, Bureau of Water and Sewer Operations, Department of Environmental Protection, or a designated representative to act as such in relation to this contract.

**DSS-4 ISSUANCE OF TASK ORDERS**

(A) General: The Contractor shall, for the duration of this contract, provide services as directed by the Engineer for the reconstruction of existing sewers or portions thereof, in accordance with the terms and conditions set forth herein. The services to be provided by the Contractor shall include both Initial Services and Reconstruction Services, as described below.

(B) Transmission of Task Orders:

- (1) The Engineer shall advise the Contractor of the need for services hereunder through Task Orders, as set forth in **Paragraph (C)** below. The Engineer shall send Task Orders to the Contractor by e-mail, fax, or by telephone promptly confirmed by e-mail and/or fax.
- (2) The Contractor shall, for the duration of this contract, provide and maintain at its place of business a dedicated telephone line, a dedicated e-mail address and a dedicated fax line for the receipt of Task Orders hereunder. The e-mail and fax machine shall be in operation twenty-four (24) hours per day, seven (7) days per week, for the duration of this contract. The Contractor shall not be entitled to any compensation for the provision of such equipment. All expenses for the required telephone, e-mail and fax lines shall be deemed included in the Contractor's overhead.

(C) Task Order: When the need for services arises, the Engineer shall issue a Task Order to the Contractor. The Task Order shall specify the items set forth below:

- (1) Description and Location of the Project
- (2) Length of Reconstruction Work
- (3) Reconstruction Services to be performed
- (4) Reconstruction Time - Time for commencement and completion of work

(D) Reconstruction Services: The Engineer shall specify the services necessary and required for reconstruction. The Contractor shall perform such reconstruction services within the reconstruction time, as set forth below.

(E) Reconstruction Time: The Reconstruction Time shall mean the period of time within which the Contractor must complete the required Reconstruction Services. The Reconstruction Time shall be specified in the Task Order. The Contractor is advised that the Reconstruction Time shall be determined by the Department of Environmental Protection, in its sole discretion.

Time is of the essence as the public health and safety are involved. Accordingly, the Contractor shall perform the work at each and every ordered location promptly and diligently, using such



means and methods of construction as will assure its expeditious and satisfactory completion without delay.

- (F) Personnel: The Contractor shall provide adequate personnel and equipment at each ordered location. Prior to the start of work the Engineer shall approve such personnel and equipment. The Engineer reserves the right to determine the personnel and equipment required to adequately and properly carry out the intent of this contract and to order personnel and equipment in excess of that normally required for the work to be done, off the job site. No payment will be made for such excess personnel and equipment. The Contractor must be prepared to provide adequate personnel and equipment to perform the services specified in Paragraphs (C) and (D) above at up to three (3) concurrent reconstruction sites.
- (G) No Right To Refuse: The Contractor shall have no right to reject or decline to perform any Task Order issued under this contract. However, if the Contractor is unable to begin the work of reconstruction for any reason, the Contractor shall so notify the Engineer by telephone as soon as possible, such notifications to be followed by an explanation in writing as to the reasons why the Contractor is unable to begin the required work.
- (H) Supplementary Task Orders: The Contractor shall perform only the work specifically ordered by the Engineer in the written Task Order. The Department of Environmental Protection reserves the right to order additional work through Supplementary Task Orders issued by the Engineer, as the work on the original Task Order progresses.

#### **DSS-5 WORK INCLUDED**

The Contractor shall at each and every ordered location, furnish all labor, equipment, materials and supervision, and shall perform all the work called for within each item ordered including any incidental work required for a complete and satisfactory job.

All labor, equipment and materials necessary for the proper execution and completion of each item of work called for are to be furnished and delivered by and at the cost and expense of the Contractor, and the work executed and completed in every detail whether specifically mentioned or not.

The Contractor must be prepared to do this work without prepared plans.

At each ordered location the Contractor shall remove and clean the sewer of any debris up to and including manholes on both sides of the section of sewer being reconstructed during and after the completion of the work.

#### **DSS-6 EXISTING CONDITIONS**

The Contractor is advised that the Engineer will furnish to the Contractor, where available, plans of the existing collapsed or otherwise defective Storm, Sanitary or Combined Sewers.

The Contractor is further advised that since the reconstructed sewer is to be within the same trench where the existing collapsed or otherwise defective pipe sewer was constructed, it is assumed that the original trench was backfilled with acceptable materials and that no exceptionally large boulders, or other obstructions would hinder or delay the excavation work. If boulders, rip-rap and other large objects as herein before specified in excess of one-half (1/2) cubic yard in volume are encountered during the excavation down to the top of the existing collapsed or otherwise defective pipe sewer, payment for the removal of same will be paid for at the unit price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT. The entire boulder shall be measured where practicable. The resultant void shall be backfilled and paid for under Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL.

The average depth to be excavated to subgrade for the reconstructed sewer is eight (8) to nine (9) feet, varying from a minimum depth of four (4) feet to a maximum depth of twelve (12) feet. Deeper sewer excavations to a maximum depth of twenty (20) feet, shall be paid for under Item No. 73.31AE2



- ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 12' TO 16' DEPTH) and Item No. 73.31AE3 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 16' TO 20' DEPTH).

**DSS-7 PAYMENT FOR WORK PERFORMED**

The Contractor shall include in the unit price bid for each item of work, the cost of all labor, equipment, materials, supervision, overhead, profit, insurance, and all other services required to execute and complete each item of work.

Payment will be made at the unit price bid for the various items of work ordered in writing by the Engineer and actually performed and incorporated into the work. The Contractor is advised that the payment for each increment of length of sewer to be replaced will be made at the unit prices bid for each increment of length of sewer to be replaced according to the following schedule:

- (a) Minimum fifteen (15) linear feet.
- (b) Additional length beyond the minimum fifteen (15) linear feet to a maximum of one hundred (100) linear feet. Fixed unit price as listed in the contract document - bid schedule of prices.
- (c) Additional length beyond one hundred (100) linear feet. Fixed unit price as listed in the contract document - bid schedule of prices.

**DSS-8 PROCEDURAL ORDERS TO CONTRACTOR**

The Contractor shall either give personal attention to the work or employ and retain a competent superintendent or foreman at each and every ordered location while the work is in progress. Instructions given to the superintendent or foreman shall be considered as having been given to the Contractor.

**DSS-9 CITY TO NOTIFY CITY DEPARTMENT**

At the time the Engineer orders the Contractor to proceed with the work, the Department of Environmental Protection shall notify and transmit a copy of the order to start work to all public and private agencies concerned. These notifications shall be in addition to the Contractors required notifications of public and private agencies as specified herein.

At the start of the work, the Contractor will be furnished with a temporary street opening permit by the Department of Environmental Protection. However, the Contractor shall obtain the prescribed permits from the Department of Transportation prior to the start of the work.

**DSS-10 MEASUREMENTS**

All measurements shall be made under the supervision of the Engineer. The Contractor's representative shall notify the Engineer when measurements are to be made so the Engineer may be present at that time, the Contractor shall record all measurements and give the Engineer duplicate copies of these measurements.

**DSS-11 WORK ORDERED BY THE ENGINEER AND NOT OTHERWISE COVERED IN THE DETAILED SPECIFICATION.**

During the course of the work being performed at any ordered location, it may be necessary for the Engineer to order, in writing, extra work not otherwise covered in the task order and in the Detailed Specifications. Payment for extra work for which there are classified bid item(s) shall be made under the unit price bid for the respective bid item(s). Payment for extra work for which there are no specific classified bid item(s) shall be made in accordance with **Articles 25 and 26** of the Contract.

**DSS-12 INSPECTION OF MATERIALS FURNISHED**



In lieu of the procedure for the inspection of materials to be furnished, as called for in **DIVISION III** of the Standard Sewer And Water Main Specifications, the City will accept certificates from the Contractor's materials suppliers stating that the materials furnished and incorporated in the work at each ordered location, meets the requirement of the appropriate sections of the specifications. Such material certificates shall be provided to the Engineer by the completion date specified in the task order for each ordered location.

#### **DSS-13 TREES TO BE REMOVED AND REPLACED**

During the work of reconstructing sewers in sidewalk or mall areas, the Contractor, when ordered in writing by the Engineer and approved by the Parks Department, shall remove trees along the line of the work. The cost of all the labor and materials required to remove trees, as directed, shall be deemed included in the unit prices bid for the respective tree removal items.

Where trees along the line of the work are removed, as directed, the Contractor shall replace such trees with new trees in accordance with the requirements of the Department of Parks and Recreation. The cost of all the labor and materials required to furnish and place new trees, as directed, together with the cutting of tree pits and all work incidental thereto, shall be deemed included in the unit price bid for Item No. 4.16 CA405 - TREES PLANTED, 3" TO 3-1/2" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS.

#### **DSS-14 ADDITIONAL SIDEWALK RESTORATION**

The Contractor is notified that during the work of reconstructing sewers at any ordered location, the Engineer may order additional sidewalk reconstruction outside the ordered trench and cutback restoration limits.

The cost of all the labor and materials required to perform this ordered additional existing concrete sidewalk removal and reconstruction outside the ordered sewer and water main trench and cutback restoration limits, together with all work incidental thereto, shall be deemed included in the unit prices bid for Item No. 4.13 AAS - 4" CONCRETE SIDEWALK (UNPIGMENTED), and Item No. 4.13 BAS - 7" CONCRETE SIDEWALK (UNPIGMENTED).

The Contractor is notified that should any damage occur to areas outside of the Engineer's ordered locations, due to the Contractor's negligence, the Contractor shall make all repairs to the satisfaction of and as directed by the Engineer. The cost of such repairs shall be borne by the Contractor, at no cost to the City.

#### **DSS-15 ADDITIONAL ROADWAY RESTORATION**

The Contractor is notified that during the work of reconstructing sewers at any ordered location, the Engineer may order additional roadway reconstruction outside the ordered trench and cutback restoration limits.

The cost of all the labor and materials required to perform this ordered additional existing roadway removal and reconstruction outside the ordered sewer and water main trench and cutback restoration limits, together with all work incidental thereto, shall be deemed included in the unit prices bid for Item No. 4.02 CA - BINDER MIXTURE, Item No. 4.02 CB - ASPHALTIC CONCRETE MIXTURE, and Item No. 4.04 H - CONCRETE BASE FOR PAVEMENT, VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH-EARLY STRENGTH).

The Contractor is notified that should any damage occur to areas outside of the Engineer's ordered locations, due to the Contractor's negligence, the Contractor shall make all repairs to the satisfaction of and as directed by the Engineer. The cost of such repairs shall be borne by the Contractor, at no cost to the City.

#### **DSS-16 METHOD OF PAYMENT**



The following items of work herein specified are provided in order to afford the City of New York opportunity to have such work done if found necessary. It shall be understood by the Contractor that the work as specified under any one of these items may be ordered by the City of New York and in the unit quantities found necessary by the Department of Environmental Protection. The City of New York, however, is not bound to order any of the work specified under these items. Payment will be made only for the actual number of unit quantities ordered under each item.

In the execution of any work under any of these items, the Contractor shall see that the work is progressed as quickly as possible and without delay. All labor, equipment and materials necessary for the proper execution and completion of each item of work called for are to be furnished and delivered by and at the cost and expense of the Contractor and the work executed and completed in every detail whether specifically mentioned or not.

The contract prices for Extra Strength Vitrified Pipe Sewers and/or Precast Reinforced Concrete Pipe Sewers shall be the unit price bid per linear foot for each size, kind, class and type of sewer and shall cover the cost of all labor, materials, equipment, samples and tests required and necessary to construct the extra strength vitrified pipe sewers and/or the precast reinforced concrete pipe sewers of the sizes and to the lines and grades as shown, specified, or ordered, including the earth excavation of all materials of whatever nature encountered (See **Section 40.03 - Earth Excavation** and except excavation of concrete encased sewers and other large objects as specified herein); all pumping and work required to eliminate blockages and restore and maintain sewage flow, all sheeting and bracing; pumping; fluming; bridging; decking; breaking down and filling in of abandoned sewer appurtenances; connections; concrete cradle and encasements; maintaining flow in sewers; backfilling; cleaning up; mobilization (except mobilization for dewatering purpose); temporary restoration of street surfaces; support and maintenance of existing City structures that are encountered during excavation (including curbs, stoops, fences, copings, vaults, light poles, etc.); removal of existing collapsed or otherwise defective sewers and their foundation supports of broken stone or concrete cradle; removal, reconstruction and reconnection of existing house sewer connections together with spurs and risers for existing house connections; removal, reconstruction and reconnection of existing basin connections; removing and cleaning the sewer of any debris up to and including manholes on both sides of the section of sewer being reconstructed during and after the completion of the work at any ordered location; permanent restoration of all curbs, malls, medians, pedestrianways and other non-roadway areas within the limits of trenches and cutbacks together with foundation materials; and furnishing and installing all other items necessary to complete this work and do all work incidental thereto, all in accordance with the plans, specifications and standards and as directed by the Engineer. In addition, included in the price hereunder shall be the cost of all labor and materials necessary to construct the concrete cradle so that it shall extend under the existing sewer one and one-half (1-1/2) feet beyond the pipe joints at each end of the reconstructed sewer; and to construct at both ends where the reconstructed sewer joins the existing sewer, joints that shall be encased with a four (4) inch thick concrete encasement, twelve (12) inches long on either side of the joint.

The cost for permanent restoration of all roadway top courses and base courses within the limits of trenches and cutbacks and as directed by the Engineer shall be deemed included for the prices bid for item nos. 4.02 AB-R - ASPHALTIC CONCRETE WEARING COURSE, 1-1/2" THICK, 4.02 CA - BINDER MIXTURE and 4.04 H - CONCRETE BASE FOR PAVEMENT FOR PAVEMENT VARIABLE THICKNESS FOR TRENCH RESTORATION, (HIGH EARLY STRENGTH).

The cost for permanent restoration of all sidewalks within the limits of trenches and cutbacks and as directed by the Engineer together with foundation material shall be deemed included for the prices bid for item nos. 4.13 AAS - 4" CONCRETE SIDEWALK (UNPIGMENTED), and 4.13 BAS - 7" CONCRETE SIDEWALK (UNPIGMENTED).

When additional spurs are required and ordered in writing by the Engineer for future house connections, payment shall be made for these in place additional spurs under the prices bid for Item No. 52.31V06P00 - 6" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER, and Item No. 52.31V08P00 - 8" E.S.V.P. SPUR FOR HOUSE CONNECTION ON E.S.V.P. SEWER.



When additional risers are required and ordered in writing by the Engineer for future house connections, payment shall be made for these in place additional risers under the prices bid for Item No. 52.21V08 - 8" E.S.V.P. RISER FOR HOUSE CONNECTION, and Item No. 52.21V10 - 10" E.S.V.P. RISER FOR HOUSE CONNECTION.

When basin connections are required and ordered in writing by the Engineer to be relayed in a new location, payment shall be made for these in place basin connections under the price bid for Item No. 52.11D12 - 12" DUCTILE IRON PIPE BASIN CONNECTION.

Payment for in place additional steel reinforcing bars required and ordered in writing by the Engineer shall be made under ~~the price bid for~~ Item No. 73.51AS - ADDITIONAL STEEL REINFORCING BARS.

Payment for in place additional select granular backfill required and ordered in writing by the Engineer shall be made under the price bid for Item No. 73.41AG - ADDITIONAL SELECT GRANULAR BACKFILL.

Payment for in place additional brick masonry required and ordered in writing by the Engineer shall be made under the price bid for Item No. 73.11AB - ADDITIONAL BRICK MASONRY.

Payment for in place standard manholes required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 51.21S0A1000V - STANDARD MANHOLE TYPE A-1, and Item No. 51.21S0B1000V - STANDARD MANHOLE TYPE B-1. Included in the respective prices bid shall be the cost for the removal of existing manholes. If no manhole exists where a new manhole is required and ordered, a credit will be taken for the omitted work.

Payment for in place standard catch basins required and ordered in writing by the Engineer shall be made under the price bid for Item No. 51.41S001 - STANDARD CATCH BASIN, TYPE 1. Included in the respective prices bid shall be the cost for the removal of existing catch basins. If no catch basin exists where a new catch basin is required and ordered, a credit will be taken for the omitted work.

Payment for excavation of boulders in open cut required and ordered in writing by the Engineer shall be made under the price bid for Item No. 70.51EO - EXCAVATION OF BOULDERS IN OPEN CUT.

Payment for in place planted trees required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 4.16 CA405 - TREES PLANTED, 3" TO 3-1/2" CALIPER, ALL TYPES, IN 4' X 5' TREE PITS. Included in the price bid shall be the cost for tree pits, fertilizer, stakes and wire, topsoil, etc.

Payment for additional earth excavation required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 73.31AE2 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 12' TO 16' DEPTH), and Item No. 73.31AE3 - ADDITIONAL EARTH EXCAVATION INCLUDING TEST PITS (OVER 16' TO 20' DEPTH). Included in the prices bid shall be the cost for additional sheeting, bracing and pumping required beyond the limits hereinbefore mentioned.

Payment for in place stone ballast required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 70.71SB - STONE BALLAST. Included in the price bid shall be the cost for additional excavation for placement of stone ballast.

Payment for in place additional concrete required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 73.21AC - ADDITIONAL CONCRETE.

Payment for maintenance and protection of traffic required and ordered in writing by the Engineer shall be made under the price bid for Item No. 6.70 - MAINTENANCE AND PROTECTION OF TRAFFIC. Included in this item will be payment for making the area safe for residents and for pedestrian and vehicular traffic within the initial response time.



Payment for maintenance of site required and ordered in writing by the Engineer shall be made under the price bid for Item No. 7.13 A - MAINTENANCE OF SITE.

Payment for in place fencing required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 70.31FN - FENCING.

Payment for television inspection and digital audio-visual recording of sewers required and ordered in writing by the Engineer shall be made under the price bid for Item No. 53.11DR - TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS.

Payment for removal of trees required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 4.16 AA - TREES REMOVED (4" TO UNDER 12" CALIPER), Item No. 4.16 AB - TREES REMOVED (12" TO UNDER 18" CALIPER), Item No. 4.16 AC - TREES REMOVED (18" TO UNDER 24" CALIPER), and Item No. 4.16 AD - TREES REMOVED (24" CALIPER AND OVER).

Payment for maintenance tree pruning required and ordered in writing by the Engineer, shall be made under the prices bid for Item No. 4.18 A - MAINTENANCE TREE PRUNING (UNDER 12" CALIPER), Item No. 4.18 B - MAINTENANCE TREE PRUNING (12" TO UNDER 18" CALIPER), Item No. 4.18 C - MAINTENANCE TREE PRUNING (18" TO UNDER 24" CALIPER), and Item No. 4.18 D - MAINTENANCE TREE PRUNING (24" CALIPER AND OVER).

Payment for 8-inch, 12-inch and 20-inch water main offsets and replacements required and ordered in writing by the Engineer due to water mains crossing sewer trenches and water mains interfering with sewer trenches shall be made under the prices bid for the various water main items provided in the contract for water main work actually performed.

Payment for photographs required and ordered in writing by the Engineer, shall be made under the price bid for Item No. 10.32A - PHOTOGRAPHS.

Payment for Bid Schedule Item Nos. DSS014A1 - CLEANING OF SEWER (LESS THAN 24" DIAMETER) and DSS014A2 - CLEANING OF SEWER (24" TO 48" DIAMETER), will be made on a per linear foot basis for sewers successfully cleaned at the unit price bid.

Payment for Bid Schedule Item No. DSS014B - CLEANING OF MANHOLE, will be made for each manhole cleaned as directed by the Engineer at the unit price bid

#### **DSS-17 GUARANTEED MINIMUM**

In the event the Contractor is not issued any Task Orders hereunder, the City agrees to pay, and the Contractor agrees to accept, a minimum fee of two thousand dollars (\$2,000.00). The Contractor further agrees that under such circumstances, the Contractor has no action for damages or for loss of profits against the City.



**E. 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. 7**

By signing in the space provided below, the bidder acknowledges receipt of the twenty-nine (29) pages of this Addendum.

**THIS ADDENDUM MUST BE SIGNED BY ALL BIDDERS  
AND ATTACHED TO THEIR BIDS.**

ADC CONSTRUCTION, LLC  
Name of Bidder  
By: Daniel Chen

Purnima Sharma  
for GURDIP SAINI, P.E.  
Associate Commissioner/Design I



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NEW YORK CITY DEPARTMENT OF  
DESIGN + CONSTRUCTION

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**INFRASTRUCTURE DIVISION  
BUREAU OF DESIGN**

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**VOLUME 3 OF 3**

PROJECT ID: BEDA001

FOR THE CONSTRUCTION OF ACCELERATED WATER MAIN REPLACEMENT AND SEWER  
REHABILITATION AND REPLACEMENT

Together With All Work Incidental Thereto  
BOROUGH OF BROOKLYN  
CITY OF NEW YORK

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*Contractor*

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Dated \_\_\_\_\_, 20\_\_\_\_

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