



CITY OF HARTFORD, CONNECTICUT

FARMINGTON AVENUE STREETScape IMPROVEMENTS

DATE SEPTEMBER 5, 2023

CITY RFR NO.

DPW PROJECT NO. DPW 24-01

Addendum No. 1

Revise the Plans, Special Provisions and Project Manual as indicated below:

Revise the Plans:

The new plan set consisting of 125 sheets, dated September 2023 (attached) takes precedent over the prior plan set of January 2023. Please use the September 2023 plan set for bid preparation and delete the January 2023 set. A summary of the changes made are as follows:

- DPW project number and date (Sept 2023) added to plan sheets.
- Detail added for sidewalk ramp Type 9 on sheet 114.
- Drainage modifications on sheet DRN-04.

Revise the Special Provisions:

Add Special Provision #022160A – Pole Removal (Type) (attached) to the special provisions section of the Project Manual.

Add Special Provision #022050A – Foundation Removal (Type) (attached) to the special provisions section of the Project Manual.

Add Special Provision #026270XA – Copper Conductor (Type) (attached) to the special provisions section of the Project Manual.

Add Special Provision #0102902A – Relay Paver Sidewalk (attached) to the special provisions section of the Project Manual.

Add Notice to Contractor – Insurance-State of Connecticut (attached) to the special provisions section of the Project Manual.

Add Notice to Contractor – DAS Pre-Qualification (attached) to the special provisions section of the Project Manual.

Revise the Bid Tabulation (Section 1, Response Forms):

Remove the Response Section #1 (Pages 3-14) and replace with the attached Response Section #1 (Pages 3-14) dated 9.5.2023.

Non- Mandatory Pre-bid Meeting:

Please see the attached Report of Meeting date 8.30.2023.

Responses to Questions:

The following answers are made to questions in *italics*:

Q1 - Upon looking at the sidewalk ramps, it seems that in the drawings, it only shows the details sidewalk ramps 1-7 and omits the 9th sidewalk ramp that is indicated on drawing sheet CON-1. Could we get a clarification as to what the type 9 ramp looks like?

A1 – The detail sheet for this style sidewalk ramp is provided in the updated September 2023 plans per Addendum #1.

Q2- Waters has a question regarding the granite curbing required on this project. On the bid item sheet, it calls for 6”x 18” granite curbing whereas on the plans it calls for 6” x 20” granite curbing. Should we use the 6”x18” curbing or the 6” x 20” curbing?

A2 – All granite curbing shall be 6” x 18”.

Q3- Please confirm feeder sizes for lighting and receptacle circuits. Plan sheets 57 and 58 indicate #2 THHN/THWN, however there is only 200 LF of #2 in the bid. Plan sheet 57 also indicates a #6 bare copper ground conductor. There is no bid item for #6 bare ground.

A3- Please refer to the special provision #026270XA – Copper Conductor (Type) and the updated quantities in the revised Response Section #1 per Addendum #1. Please note that the #6 Bare Copper Conductor will be paid for by the L.F. under the item for #6 AWG Copper Conductor THHN/THWN.

Q4- New Bus Shelter Approx. Sta. 22+60R. There is to be a bus shelter to be removed and replaced within a paver walk. Will there be a special provision added to the bid documents to remove and reset these pavers?

A4 – Yes. See Special Provision #0102902A - RELAY PAVER SIDEWALK (attached) and the revised Response Section #1 per Addendum #1.

Q5-Note 6 - Drawing SPM-1: PAVEMENT MARKINGS SHALL BE INSTALLED THROUGHOUT THE PROJECT TO THE LIMIT OF PAVEMENT MARKINGS OR AS DIRECTED BY THE ENGINEER. ALL CONFLICTING PAVEMENT MARKINGS WITHIN THE LIMIT OF CONSTRUCTION ARE TO BE REMOVED. THE REMOVAL OF PAVEMENT MARKINGS IS PAYABLE UNDER ITEM NO. 0108001 "REMOVAL OF PAVEMENT MARKINGS." I cannot find Item #0108001 on the bid form.

A5 – Bid Item 0108001 has been added to the revised Response Section #1 with a quantity of 500SF.

Q6-DMH 20 @ Sta. 8+31. This manhole is to be installed with 18" PVC in and out. There is no bid item for 18" PVC.

A6 – Item #0101406A – 18" PVC has been added to the Response Section #1.

Q7-DMH MH 48 @ Sta. 120+54. This manhole notes two incoming pipe elevations, but no outlet. The manhole appears to be placed over an existing 24" RCP pipe roughly 12.5' deep. It is the intent of this structure to be placed as a doghouse manhole over the existing 24" RCP? Will there be a new bid item created for this structure?

A7 – The drainage design has been revised along Girard Avenue. See drawing DRN-04 (sheet 33) for additional information.

Q8- CB 43 @ Sta. 18+72 notes tying into an existing 10" PVC pipe with an invert to be verified in the field. There doesn't seem to be an existing structure at this location which makes it impossible to verify the elevation. The existing 10" PVC appears to be connected to a 72" RCP main 20' deep. Can you please provide more information on the proposed depth of the new catch basin?

A8 – The existing draining pipe invert is assumed to be approximately an average of 4 ft. below existing grade. The note for CB 43 has been revised on drawing DRN-01 (sheet 33). If during work the existing pipe is found to be deeper, the extra cost for CB materials, excavation and backfill will be negotiated and paid for under item #0190001A, Miscellaneous Extra Work.

Q-9 Item #0100101A & #0100601A both describe 6"x18" Granite Curbing. The specs and details both call for 6"x20" Granite Curb. Please advise.

A-9 – Only 6" x 18" Granite Curb will be used on this project. Any reference to 6" x 20" shall mean 6" x 18". There is only one type of granite curbing in the Response Section for 6" x 18" granite curb.

Q-10 Following up from the pre-bid, we discussed an extension on the bid due date could be beneficial. Based on the size of the job and volatility in the market, four weeks is a short time span to get an accurate bid in. I wanted to request a 2–3-week extension.

A10 – An extension will be granted. Please refer to Planet Bids for the revised bid submission date.

END OF ADDENDUM #1

ITEM NO. 0221600A- POLE REMOVAL (TYPE)

ITEM NO. 0221603A – POLE REMOVAL (LIGHT/ORNAMENTAL POLE)

ITEM NO. 0221604A - POLE REMOVAL (SPAN POLE)

ITEM NO. 0221605A - POLE REMOVAL (MAST ARM POLE)

Description:

Work under this item shall consist of the removal of a streetlight/ornamental pole, span pole or mast arm pole from a specific location, disposal of the pole not wanted by the City, and the delivery and unloading of the reusable pole at the designated location in the City of Hartford, Public Works yard at 40 Jennings Road and or as directed by the Engineer.

Reference Items:

None

Required Submittals:

None

Materials:

None

Construction Methods:

Light Pole / Ornamental Pole Removal

The Contractor may be requested to remove a Light/Ornamental Poles. The Contractor and Engineer will agree upon a scheduled time of removal, and the pole will either be disposed of by the Contractor or delivered to the City Public Works Yard at the direction of the Engineer.

Removal of the light/ornamental pole shall include removal of pole, bracket arm, fixture head, luminaire, and wiring and accessories. Coordinate removal with Eversource, the City of Hartford, and project phasing.

Span Pole or Mast Arm Pole Removal

The Contractor may be requested to remove a Span or Mast Arm Pole. The Contractor and Engineer will agree upon a scheduled time of removal, and the pole

will either be disposed of by the Contractor or delivered to the City Public Works Yard at the direction of the Engineer.

Removal of span/mast arm pole shall include removal of pole, span wire, mast arm assembly, traffic signals, signs, wiring, accessories, (and luminaire for combination mast arm).

These items shall be protected from damage, delivered by the Contractor to the facility designated, and stockpiled in a manner acceptable to the City of Hartford.

Delivery of materials to the Maintenance Yard shall be coordinated with the Engineer and the City of Hartford.

Method of Measurement:

This work will be measured for payment by the total number of pole removals completed and accepted.

If there is a need for part or all a pole foundation to be removed, the work will be measured and paid for by the appropriate items 0220501 through 0220506.

Basis of Payment:

This work will be paid for at the contract unit price per each "POLE REMOVAL (TYPE)" complete, which price shall include disposal of pole or delivery of pole to City Yard, equipment, tools, all materials labor, and incidental expenses thereto.

<u>Pay Item</u>	<u>Description</u>	<u>Pay Unit</u>
0221603A	Pole Removal (Light/Ornamental Pole)	each
0221604A	Pole Removal (Span Pole)	each
0221605A	Pole Removal (Mast Arm Pole)	each

END OF SECTION

ITEM NO. 0220500A – REMOVE POLE FOUNDATION (TYPE)

**ITEM NO. 0220501A - REMOVE LIGHT/ORNAMENTAL POLE FOUNDATION 8”
BELOW CURB GRADE**

**ITEM NO. 0220502A - REMOVE SPAN POLE FOUNDATION 8” BELOW CURB
GRADE**

**ITEM NO. 0220503A - REMOVE LIGHT/ORNAMENTAL POLE FOUNDATION
24”**

BELOW FINISHED PAVEMENT SURFACE GRADE

**ITEM NO. 0220504A - REMOVE SPAN POLE FOUNDATION 24” BELOW
FINISHED PAVEMENT SURFACE GRADE**

**ITEM NO. 0220505A - REMOVE SPAN POLE FOUNDATION 10’ BELOW
FINISHED PAVEMENT SURFACE GRADE**

**ITEM NO. 0220506A - REMOVE LIGHT/ORNAMENTAL POLE FOUNDATION 6’
BELOW FINISHED PAVEMENT SURFACE GRADE**

**ITEM NO. 0220507A - REMOVE MAST ARM FOUNDATION 10’ BELOW
FINISHED PAVEMENT SURFACE GRADE**

Description:

Work under this item shall include removal of concrete, concrete reinforcement bars, plastic or metal sweeps and anchor bolts to the depth specified and backfilled with suitable material.

Removal of the light/ornamental pole foundation shall include removal of pole, bracket arm, fixture head, luminaire, and wiring and accessories. Coordinate removal with Eversource, the City of Hartford, and project phasing.

Removal of span/mast arm pole foundation shall include removal of pole, span wire mast arm assembly, traffic signals, signs, wiring, accessories, (and luminaire for combination mast arm).

The removed items shall be salvaged and delivered to the City of Hartford Maintenance Yard at 40 Jennings Road, Hartford, CT unless directed otherwise by the Engineer.

These items shall be protected from damage, delivered by the Contractor to the facility designated, and stockpiled in a manner acceptable to the City of Hartford.

Delivery of materials to the Maintenance Yard shall be coordinated with the Engineer and the City of Hartford.

Reference Items:

0103501 Bank Run Gravel

Required Submittals:

None

Materials:

Bank run gravel used for backfilling shall meet the requirements of item 0103501.

Construction Methods:

The Contractor shall insure that all electrical conductors have been removed or de-energized and that any and all existing conduits removed or cut to the depths required for the safe removal of the foundation.

Excavation shall be adjacent to the existing foundation to the limits and depths as required to remove the necessary portion of the foundation. Upon removal, the Contractor shall fill the void with bank run gravel. Backfill shall be compacted in 24" lifts until the material has achieved 95% compaction. Backfill shall be carried to the subgrade or within 6" of finished grade as required.

Debris, reinforcement, excavated soils, and concrete waste shall be removed from the site and legally disposed of.

Method of Measurement:

This work will be measured for payment by the total number of poles and foundations of the type specified, removed to the specified depths, and accepted.

Basis of Payment:

This work will be paid for at the contract unit price per each "Remove (Type) Pole Foundation (Type)" complete, which price shall include excavation, backfill, disposal of unused excavated material, removal of specified pole, delivery of pole to Public Works yard, coordination with utilities, equipment, tools, all materials labor, and incidental expenses thereto.

<u>Pay Item</u>	<u>Description</u>	<u>Pay Unit</u>
0220501A	Remove Light/Ornamental Pole Foundation 8" Below Curb Grade	each
0220502A	Remove Span Pole Foundation 8" Below Curb Grade	each
0220503A	Remove Light/Ornamental Pole Foundation 24" Below Finished Pavement Surface Grade	each
0220504A	Remove Span Pole Foundation 24" Below Finished Pavement Surface Grade	each
0220505A	Remove Span Pole Foundation 10' Below Finished Pavement Surface Grade	each
0220506A	Remove Light/Ornamental Pole Foundation 6' Below Finished Pavement Surface Grade	each
0220507A	Remove Mast Arm Foundation 10' Below Finished Pavement Surface Grade	each

END OF SECTION

ITEM NO. 026270XA – (SIZE) AWG COPPER CONDUCTOR

Description:

Work under this item shall consist of furnishing and installing AWG insulated copper conductor of the size specified for street lighting power. The work shall include furnishing and installing the conductor, in the quantities (number of conductors per conduit) indicated, splicing, insulating of splices, tap conductors, tap connections, insulation of taps and testing of the conductors. Conduit for conductors, pull boxes and hand holes will be installed and paid for under other bid items.

Reference Items:

None

Required Submittals:

Material Certificate of Compliance:

Submit 5 copies of the material certificate of compliance for conductors in accordance with the contract general requirements.

Materials:

Conductor:

General: Single insulated conductor consisting of a stranded (Class B) copper conductor, #2, #4, #6, #8 or #10 AWG with 600-volt, 90 degree C, PVC thermoplastic insulation, UL Listed as Type THHN/THWN-2.

Manufacturer: Okonite Okoseal-N Type THHN/THWN-2 or equal.

Construction Methods:

Splices/Taps:

Splices: Conductor splices shall be hydraulic compression type consisting of a long barrel, tin-plated copper compression splice. The splice shall be applied using a hydraulic compression tool which compresses the barrel onto the conductor with a circumferential crimp.

Taps: Conductor taps shall be made using a watertight, underground in-line splice unit. The splice shall be totally encapsulated with EDPM rubber with pre marked

inserts, O-ring screw cap inserts and a tin-plated aluminum (6061-T6) set screw connector. The connector shall be designed to accept the copper conductors to be spliced.

Manufacturer: Splices and lugs shall be as follows:

Splices: Burndy No. YS2C or Equal.

Taps: IlSCO No. USPA-DD or Equal.

Heat Shrink Tubing: Heat shrink tubing shall be utilized to insulate hydraulic compression splices. The tubing shall be heavy wall tubing made of cross-linked polyolefin with a shrink ration of 3 to 1. The tubing shall be coated with an adhesive sealant to prevent the ingress of moisture. Tubing shall extend 3 inches beyond the end of the conductor insulation at the splice. Tubing shall be applied using an electric heat gun. Torches or open flame heat sources shall not be used. Equal to Burndy No. HSB34H9PF10.

Testing:

Testing: The installed and splices conductors shall be tested to verify the integrity of the conductors. The contractor shall retain the services of a NETA member, an independent electrical testing firm, to provide testing of the installed conductors. Testing shall include an insulation resistance test of the conductors. This testing shall be performed to measure the insulation resistance from phase-to-phase, phase-to-neutral, and phase-to-ground. Testing shall be performed for each section of conductors installed and spliced, based on the sequence of construction.

Method of Measurement:

Installation of conductors shall be measured for payment by the linear feet of conductor installed, spliced, and tested and accepted.

Basis of Payment:

The work will be paid for at the contract unit price each linear foot of "(SIZE) AWG COPPER CONDUCTOR" installed, spliced, and tested, which price shall include all materials, labor, equipment, tools and incidental expenses thereto.

<u>Pay Item</u>	<u>Description</u>	<u>Pay Unit</u>
0262701A	#2 AWG Copper Conductor	l.f.
0262702A	#4 AWG Copper Conductor	l.f.
0262703A	#6 AWG Copper Conductor	l.f.
0262704A	#8 AWG Copper Conductor	l.f.
0262705A	#10 AWG Copper Conductor	l.f.

END OF SECTION

ITEM NO. 0102901A - RELAY FLAGSTONE SIDEWALK

ITEM NO. 0102902A - RELAY PAVER SIDEWALK

Description:

Work under this item shall include furnishing materials, equipment, and labor for relaying existing flagstone or paver sidewalk to line and grade, furnishing new sand where necessary to raise flagstones, filling joints and adding topsoil, grading, and seeding where necessary along the walk edges.

Reference Items:

0106401 Seeding & Fertilizing

Required Submittals:

None

Materials:

Topsoil, fertilizer, seed, and lime shall conform to the requirements of Item 0106401.

Sand shall meet the requirements of Section M.01, fine aggregates of the State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 818, 2020.

Construction Methods:

The flagstones or pavers shall be carefully removed, and the foundation re-graded as required using the existing material or new sand shall be added if necessary. The flagstone shall be re-laid to proper line and grade, and they shall be firmly bedded in the foundation so that no voids occur underneath them and the joints shall be completely filled with sand.

The Contractor shall exercise care in the handling of the flagstones and pavers to avoid damaging them and shall use equipment necessary to lift the flagstones and pavers only from the edges of the walk and not between adjoining flagstones or pavers.

If damage to the flagstones or pavers does occur due to the Contractor's negligence, as determined by the Engineer, he shall replace them with materials in good condition at his own expense.

Where necessary the Contractor shall backfill along the edges with topsoil. The topsoil shall be graded to match the existing ground. Fertilizer, seed, and lime shall then be applied in accordance with the Construction Methods of Item 0106401.

Method of Measurement:

Relay flagstone sidewalk or Relay paver sidewalk will be measured for payment by the number of square feet of walk completed and accepted by the Engineer.

Basis of Payment:

This item will be paid for at the contract unit price per square foot for "RELAY FLAGSTONE WALK" or "RELAY PAVER SIDEWALK" complete in place which price shall include all materials, tools, equipment, labor, and work incidental thereto.

<u>Pay Item</u>	<u>Description</u>	<u>Pay Unit</u>
0102901A	Relay Flagstone Sidewalk	s.f.
0102902A	Relay Paver Sidewalk	s.f.

END OF SECTION

NOTICE TO CONTRACTOR – INSURANCE - STATE OF CONNECTICUT
ADDITIONALLY NAMED

The Contractor is notified that “THE STATE OF CONNECTICUT” shall be additionally named as insured on all insurance policies on this project.

NOTICE TO CONTRACTOR – INSURANCE - STATE OF CONNECTICUT
ADDITIONALLY NAMED

The Contractor is notified that “THE STATE OF CONNECTICUT” shall be additionally named as insured on all insurance policies on this project.

FARMINGTON AVENUE STREETScape					
ITEM NO.	EST. QTY	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0100101A	5,700	LF	6"x18" NEW STRAIGHT GRANITE CURB ON NEW FOUNDATION , at _____dollars and _____cents per linear foot		
0100601A	980	LF	6"X18" NEW RADIUS GRANITE CURB , at _____dollars and _____cents per linear foot		
0100651A	80	EA	NEW RADIAL GRANITE CURB DRIVEWAY RETURN , at _____dollars and _____cents per each		
0100901A	130	LF	BITUMINOUS CONCRETE LIP CURBING , at _____dollars and _____cents per linear foot		
0101201A	47	EA	ADJUST CATCH BASIN OR MANHOLE IN CONCRETE BASE, at _____dollars and _____cents per each		
0101214A	95	EA	ADJUST GATE BOX IN CONCRETE BASE, at _____dollars and _____cents per each		
0101221A	10	EA	CONVERT CATCH BASIN TO MANHOLE, at _____dollars and _____cents per each		
0101233A	18	EA	PRECAST CONCRETE CATCH BASIN CONVERSION SLAB, at _____dollars and _____cents per each		
0101234A	18	EA	TYPE C CATCH BASIN TOP, at _____dollars and _____cents per each		
0101301A	24	EA	HARTFORD TYPE "C" CATCH BASIN/GRANITE INLET, at _____dollars and _____cents per each		
0101307A	2	EA	HARTFORD TYPE "C-M" CATCH BASIN, at _____dollars and _____cents per each		
0101403A	50	LF	10" P.V.C. PIPE , at _____dollars and _____cents per linear foot		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0101404A	505	LF	12" P.V.C. PIPE , at _____dollars and _____cents per linear foot		
0101406A	50	LF	18" P.V.C. PIPE , at _____dollars and _____cents per linear foot		
0101502A	20	EA	REMOVE CATCH BASIN , at _____dollars and _____cents per each		
0101602A	5	EA	TYPE II MANHOLE , at _____dollars and _____cents per each		
0101622A	5	EA	STORM MANHOLE FRAME AND COVER , at _____dollars and _____cents per each		
0102001A	4,500	SF	BITUMINOUS CONCRETE DRIVEWAY , at _____dollars and _____cents per square foot		
0102101A	34,000	SF	5" CONCRETE WALK ON NEW FOUNDATION , at _____dollars and _____cents per square foot		
0102102A	400	SF	8" EXPOSED AGGREGATE REINFORCED CONCRETE SIDEWALK (BUS SHEL.T.) at _____dollars and _____cents per square foot		
0102103A	3,500	SF	5" CONCRETE WALK ON 24" PLANTER SOIL TYPE B FOUNDATION. at _____dollars and _____cents per square foot		
0102301A	4,000	SF	8" REINFORCED CONCRETE SIDEWALK. at _____dollars and _____cents per square foot		
0102321A	3,650	SF	8" REINFORCED CONCRETE SIDEWALK RAMP at _____dollars and _____cents per square foot		
0102331A	2,200	SF	8" REINFORCED CONCRETE DRIVEWAY RAMP. at _____dollars and _____cents per square foot		
0102401A	500	SF	2" BITUMINOUS CONCRETE SURFACE ON NEW FOUNDATION at _____dollars and _____cents per square foot		
0102601A	420	EA	GALVANIZED DOWEL. at _____dollars and _____cents per each		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0102802A	1,300	LF	SAW CUT BITUMINOUS CONCRETE at _____dollars and _____cents per linear foot		
0102902A	150	SF	RELAY PAVER SIDEWALK at _____dollars and _____cents per square foot		
0103011A	1	LS	EROSION AND SEDIMENTATION CONTROL TYPE I at _____dollars and _____cents per lump sum		
0103015A	53	EA	INLET SEDIMENTATION CONTROL DEVICES at _____dollars and _____cents per each		
0103101A	1	LS	CLEARING AND GRUBBING at _____dollars and _____cents per lump sum		
0104002A	16,000	SY	MILL EXISTING PAVEMENT TO REQUIRED DEPTH-CLASS B at _____dollars and _____cents per square yard		
0104011A	1,800	GAL	TACK COAT at _____dollars and _____cents per gallon		
0104021A	3,000	SF	TEMPORARY PAVING at _____dollars and _____cents per square foot		
0104101A	300	SY	RECONSTRUCT REINFORCED CONCRETE PAVEMENT BASE at _____dollars and _____cents per square yard		
0104201A	7,300	LF	RECONSTRUCT CONCRETE PAVEMENT BASE AT CURB at _____dollars and _____cents per linear foot		
0104302A	2,700	TON	HMA S0.5 at _____dollars and _____cents per ton		
0104313A	1	EST	ASPHALT ADJUSTMENT COST at <u>Forty Thousand</u> _____dollars and <u>Zero</u> _____cents est	\$40,000	\$40,000
0105003A	12	EA	NEW MERESTONE FRAME AND COVER at _____dollars and _____cents per each		
0106001A	1,000	LF	TEMPORARY CONSTRUCTION FENCE at _____dollars and _____cents per linear foot		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0106201A	170	CY	TOP SOIL at _____dollars and _____cents per cubic yard		
0106401A	8,700	SF	SEEDING AND FERTERLIZING at _____dollars and _____cents square foot		
0106501A	200	CY	(PLANTER SOIL TYPE A) at _____dollars and _____cents per cubic yard		
0106502A	400	CY	(PLANTER SOIL TYPE B) STRUCTURAL SOIL at _____dollars and _____cents per cubic yard		
0106503A	60	CY	(PLANTER SOIL TYPE C) SILVA CELL at _____dollars and _____cents per cubic yard		
0106702A	3	EA.	ACER RUBRUM "OCTOBER GLORY" at _____dollars and _____cents per each		
0106708A	13	EA	ULMUS AMERICANA "PRINCETON" at _____dollars and _____cents per each		
0106709A	9	EA	ZELKOVA SERRATA "VILLAGE GREEN" at _____dollars and _____cents per each		
006711A	18	EA	SYRINGA RETICULATA "IVORY SNOW" at _____dollars and _____cents per each		
0106712A	7	EA	PLATANUS ACERIFOLIA "BLOODGOOD" at _____dollars and _____cents per each		
0106714A	4	EA	CERCIDIPHYLLUM JAPONICUM "RED FOX" at _____dollars and _____cents per each		
0106713A	43	EA	LIGUSTRUM VULGARE at _____dollars and _____cents per each		
0106901A	550	LF	12" WHITE EPOXY RESIN PAVEMENT MARKINGS at _____dollars and _____cents per linear foot		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0106902A	5,700	LF	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS at _____ dollars and _____ cents per linear foot		
0106903A	3,300	LF	4" WHITE EPOXY RESIN PAVEMENT MARKINGS at _____ dollars and _____ cents per linear foot		
0106904A	5,250	SF	SYMBOL EPOXY RESIN PAVEMENT MARKINGS at _____ dollars and _____ cents per square foot		
0107001A	300	LF	12" WHITE PAINTED PAVEMENT MARKINGS (TEMP) at _____ dollars and _____ cents per linear foot		
0107002A	2,000	LF	4" YELLOW PAINTED PAVEMENT MARKINGS (TEMP) at _____ dollars and _____ cents per linear foot		
0107003A	2,000	LF	4" WHITE PAINTED PAVEMENT MARKINGS at _____ dollars and _____ cents per linear foot		
0107004A	2,000	SF	WHITE PAINTED PAVEMENT DIRECTIONAL MARKINGS at _____ dollars and _____ cents per square foot		
0107101A	6,800	SF	GREEN BICYCLE LANE PAVEMENT MARKINGS at _____ dollars and _____ cents per square foot		
0107701A	1	ALL	TRAFFIC POLICE OFFICER (UNIFORMED) at <u>Two Hundred Forty Thousand</u> dollars and <u>Zero</u> cents Allow.	\$240,000	\$240,000
0108001	500	SF	REMOVE EXISTING PAVEMENT MARKINGS at _____ dollars and _____ cents per square foot		
0108507A	1,850	LF	TREE PROTECTION TYPE II at _____ dollars and _____ cents per linear foot		
0111401A	12	CY	MISCELLANEOUS CONCRETE at _____ dollars and _____ cents per cubic yard		
0111403A	12	CY	CONTROLLED LOW STRENGTH MATERIAL at _____ dollars and _____ cents per cubic yard		
0119901A	1	LS	CONSTRUCTION STAKING at _____ dollars and _____ cents lump sum		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0123002A	4,000	SF	11" REINFORCED CONCRETE BUS PAD (COLORED AND TEXTURED) at _____ dollars and _____ cents per square foot		
0125001A	1	LS	MAINT. AND PROTECTION OF TRAFFIC at _____ dollars and _____ cents lump sum		
0133602A	15	LF	RESET STEEL FENCE at _____ dollars and _____ cents per linear foot		
0180106A	2	EA	UTILITY SERVICE CONNECTION (ILLUMINATION) at _____ dollars and _____ cents per each		
0180107A	2	EA	SERVICE CABINET & DISTRIBUTION (ILLUMINATION) at _____ dollars and _____ cents per each		
0180701A	40	CY	TEST PITS at _____ dollars and _____ cents per cubic yard		
0180801A	26	MO	CONSTRUCTION FIELD OFFICE, MEDIUM at _____ dollars and _____ cents per month		
0180901A	260	HR	SWEEPING FOR DUST CONTROL at _____ dollars and _____ cents per hour		
0190001A	1	ALL	MISCELLANEOUS EXTRA WORK at <u>Four Hundred Thousand</u> dollars and <u>Zero</u> cents Allow.	\$400,000	\$400,000
0220003A	11	EA	MAST ARM FOUNDATION at _____ dollars and _____ cents per each		
0220101A	13	EA	PRECAST PEDESTAL BASE at _____ dollars and _____ cents per each		
0220202A	3	EA	TRAFFIC CONTROLLER FOUNDATION TYPE IV at _____ dollars and _____ cents per each		
0220503A	34	EA	REMOVE LIGHT POLE FOUNDATION 24" BELOW GRADE at _____ dollars and _____ cents per each		
0220920A	3,000	LF	2" RIGID METAL CONDUIT UNDER ROADWAY at _____ dollars and _____ cents per linear foot		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0220930A	320	LF	3" RIGID METAL CONDUIT UNDER ROADWAY at _____ dollars and _____ cents per linear foot		
0221020A	12,000	LF	2" RMC CONDUIT IN TRENCH at _____ dollars and _____ cents per linear foot		
0221030A	100	LF	3" RMC CONDUIT IN TRENCH at _____ dollars and _____ cents per linear foot		
0221110A	50	LF	2" RIGID METAL CONDUIT- SURFACE MOUNTED (TRAFFIC) at _____ dollars and _____ cents per linear foot		
0221303A	11	EA	PRECAST POLYMER CONCRETE HAND HOLE TYPE I (TRAFFIC) at _____ dollars and _____ cents per each		
0221304A	15	EA	PRECAST POLYMER CONCRETE HANDHOLE TYPE II (TRAFFIC) at _____ dollars and _____ cents per each		
0221603A	32	EA	REMOVE EXISTING LIGHT POLE (TYPE) at _____ dollars and _____ cents per each		
0222001A	6,000	LF	TRENCHING AND BACKFILLING TYPE I at _____ dollars and _____ cents per linear foot		
0222101A	1,500	LF	TRENCHING AND BACKFILLING TYPE II at _____ dollars and _____ cents per linear foot		
0222201A	30	CY	ROCK IN TRENCH EXCAVATION (0-4') at _____ dollars and _____ cents per cubic yard		
0222401A	10	HR	CLEAN EXISTING CONDUIT at _____ dollars and _____ cents per hour		
0260002A	13	EA	8' ALUMINUM PEDESTAL at _____ dollars and _____ cents per each		
0260105A	1	EA	25' STEEL MAST ARM ASSEMBLY at _____ dollars and _____ cents per each		
0260106A	1	EA	30' STEEL MAST ARM ASSEMBLY at _____ dollars and _____ cents per each		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0260107A	2	EA	35' STEEL MAST ARM ASSEMBLY at _____ dollars and _____ cents per each		
0260111A	2	EA	25' COMBINATION MAST ARM ASSEMBLY at _____ dollars and _____ cents per each		
0260112A	4	EA	30' COMBINATION MAST ARM ASSEMBLY at _____ dollars and _____ cents per each		
0260120A	1	EA	TWIN COMBINATION MAST ARM ASSEMBLY at _____ dollars and _____ cents per each		
0260809A	24	EA	TRAFFIC SIGNAL, 1 WAY, 12", 3 SECTION MAST ARM at _____ dollars and _____ cents per each		
0260821A	3	EA	TRAFFIC SIGNAL, 1 WAY, 12", 1 SECTION MAST ARM at _____ dollars and _____ cents per each		
0261001A	4	EA	PEDESTRIAN SIGNAL, 1 WAY POLE MOUNTED at _____ dollars and _____ cents per each		
0261002A	2	EA	PEDESTRIAN SIGNAL, 2 WAY POLE MOUNTED at _____ dollars and _____ cents per each		
0261003A	10	EA	PEDESTRIAN SIGNAL, 1 WAY PEDESTAL MOUNTED at _____ dollars and _____ cents per each		
0261004A	3	EA	PEDESTRIAN SIGNAL, 2 WAY PEDESTAL MOUNTED at _____ dollars and _____ cents per each		
0261204A	24	EA	ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR (TYPE A) at _____ dollars and _____ cents per each		
0261305A	2	EA	RECTANGULAR RAPID FIRE FLASHING BEACON (TYPE B), at _____ dollars and _____ cents per each		
0261404A	3	EA	ADVANCED TRANSPORTATION CONTROLLER - MODEL 2070 at _____ dollars and _____ cents per each		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0262202A	3,600	LF	5 CONDUCTOR #14 CABLE at _____ dollars and _____ cents per linear foot		
0262203A	2,400	LF	7 CONDUCTOR #14 CABLE at _____ dollars and _____ cents per linear foot		
0262204A	380	LF	9 CONDUCTOR #14 CABLE at _____ dollars and _____ cents per linear foot		
0262605A	2,800	LF	COMMUNICATIONS CABLE NO. 19 AWG-25 PAIR at _____ dollars and _____ cents per linear foot		
0262701A	30,000	LF	# 2 AWG COPPER CONDUCTOR THHN/THWN at _____ dollars and _____ cents per linear foot		
0262703A	8,600	LF	# 6 AWG COPPER CONDUCTOR THHN/THWN at _____ dollars and _____ cents per linear foot		
0262705A	9,600	LF	# 10 AWG COPPER CONDUCTOR THHN/THWN at _____ dollars and _____ cents per linear foot		
0262614A	1	LS	RELOCATE INTERCONNECT CABLE at _____ dollars and _____ cents per lump sum		
0263601A	1	LS	REMOVAL AND/OR RELOCATION OF TRAFFIC SIGNAL EQUIPMENT at _____ dollars and _____ cents per lump sum		
0263801A	1	LS	TEMPORARY SIGNALIZATION (SITE NO. 1) at _____ dollars and _____ cents per lump sum		
0263802A	1	LS	TEMPORARY SIGNALIZATION (SITE NO. 2) at _____ dollars and _____ cents per lump sum		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0263803A	1	LS	TEMPORARY SIGNALIZATION (SITE NO. 3) at _____dollars and _____cents per lump sum		
0264002A	540	SF	SIGN FACE SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING) at _____dollars and _____cents per square foot		
0264003A	32	EA	CHARTER OAK STREET SIGNS at _____dollars and _____cents per each		
0264011A	110	EA	SIGN POSTS AND SUPPORTS at _____dollars and _____cents pereach		
0264201A	1	LS	REMOVAL & RELOCATION OF EXISTING SIGNS at _____dollars and _____cents per lump sum		
0269003A	1	LS	SYSTEM INTEGRATION at _____dollars and _____cents per lump sum		
0270106A	3	EA	25' CAMERA EXTENSION ARM (MAST ARM POLE MOUNTED) at _____dollars and _____cents per each		
0270107A	1,600	LF	CAMERA CABLE at _____dollars and _____cents per linear foot		
0270110A	3	EA	360 DEGREE CAMERA ASSEMBLY at _____dollars and _____cents per each		
0270111A	3	EA	360 DEGREE VIDEO DETECTION PROCESSOR, at _____dollars and _____cents per each		
0270112A	6	EA	IP VIDEO DETECTION CAMERA ASSEMBLY , at _____dollars and _____cents per each		
0300101A	84	EA	ORNAMENTAL LIGHT POLE FOUNDATION , at _____dollars and _____cents per each		
0310201A	38	EA	28' ORNAMENTAL STREET LIGHT POLE , at _____dollars and _____cents per each		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0310203A	46	EA	14' ORNAMENTAL STREET LIGHT POLE MADISON , at _____dollars and _____cents per each		
0310501	46	EA	ORNAMENTAL LUMINAIRE HARTFORD STYLE at _____dollars and _____cents per each		
0310504A	38	EA	ORNAMENTAL LUMINAIRE ROADWAY STYLE at _____dollars and _____cents per each		
0310605A	84	EA	ORNAMENTAL ACCESSORY, GROUND FAULT RECEPTACLE. at _____dollars and _____cents per each		
0310601	38	EA	6' ORNAMENTAL BRACKET ARM at _____dollars		
0310603	38	EA	BANNER ARMS at _____dollars and _____cents per each		
0310604	46	EA	ORNAMENTAL BRACKET ARM FOR PLANT HANGER at _____dollars and _____cents per each		
0360201A	84	EA	POLYMER PULL BOX TYPE I (ILLUMINATION) at _____dollars and _____cents per each		
0330410A	10,400	SF	BRICK PAVERS (CLAY) ON 4" CONC. BASE SLAB at _____dollars and _____cents per square foot		
0330420A	2,450	SF	BELGIAN BLOCK PAVERS (ROADWAY) at _____dollars and _____cents per square foot		
0330501A	10,400	SF	4" CONC. BASE SLAB FOR BRICK PAVERS at _____dollars and _____cents per square foot		
0340101A	2	EA	PROJECT SIGN at _____dollars and _____cents per each		
0340301A	20	EA	STREET SIGN BRACKET FOR ORNAMENTAL POLE at _____dollars and _____cents per each		

ITEM NO.	EST.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0350301A	3	EA	BUS STOP SHELTER at _____ dollars and _____ cents per each		
0370501A	6	EA	DERO BIKE HITCH (LOOP) at _____ dollars and _____ cents per each		
0380101A	75	LF	PLANTER WALL at _____ dollars and _____ cents per linear foot		
0390201A	1	EA	MEMORIAL MARKER (JILL BARRETT) at _____ dollars and _____ cents per each		
0390400A	1	LS	SOIL CELLS (SILVA) at _____ dollars and _____ cents per lump sum		
0391001A	3	EA	OUTDOOR CHARGING STATION at _____ dollars and _____ cents per each		
0401001A	1	LS	HEALTH AND SAFETY PLAN at _____ dollars and _____ cents per lump sum		
0402001A	700	TON	DISPOSAL OF POLLUTED SOIL at _____ dollars and _____ cents per ton		
0402002A	200	TON	DISPOSAL OF CONTAMINATED SOIL at _____ dollars and _____ cents per ton		
0404213A	1	ALL	HANDLING CONTAMINATED GROUNDWATER at <u>Fifteen Thousand</u> dollars and <u>Zero</u> cents allowance	\$15,000.00	\$15,000.00
<p>The TOTAL amount of this BID is based on the estimated quantities above and include all items listed above (taking into</p> <p>Amount in Figures:</p> <p>Amount in Words: _____</p>					

Client: City of Hartford Date: August 30, 2023
Meeting Date: August 30, 2023 Prepared By: Joe Rimiller
Meeting Location: City of Hartford DPW Job Number: 5785
Meeting Topic: Farmington Avenue Streetscape, Pre-Bid Meeting

ATTENDEES:

See attached sign-in sheet.

RECORD OF MEETING MINUTES:

BETA provided an overview of the Farmington Avenue Streetscape Project. Submitted questions and answers provided by BETA and/or the City and summarized below:

Q: Are there areas of contaminated soil within the project area.

A: Yes, areas of contamination are identified in the project documents.

Q: How many Rectangular Rapid Flashing Beacons (RRFBs) are to be installed?

A: One RRFB is to be installed on each side of the crosswalk at Evergreen Avenue.

Q: Will the Contractor be restricted to working in a limited area and need acceptance before beginning work in the next section?

A: Yes.

Q: Will a semi-final inspection be performed at each completed section?

A: The City may at its option perform semi-final inspections as stages are completed. This has occurred on other streetscape projects.

Q: Has coordination occurred with utility agencies?

A: The Engineer coordinated with the MDC and other utility agencies during design. They have been instructed to perform relocation work now. MDC recently completed a project on Farmington Avenue. There are contract items to cover work associated with resetting water and storm/sewer manholes. Private utilities will be required to adjust their own structures and the contractor will need to coordinate as required.

Q: Will a trailer big enough for progress meetings be provided?

A: The specifications call for a medium sized construction office. Additional requirements are identified in the special provision. The location will be determined by the City.

Q: Can the bid schedule be pushed back?

A: This is a reasonable request. Please submit it through Planet Bids and it will be considered by the City.

Q: Are the granite pavers in the median islands to be encased?

A: Yes, they are to be encased in mortar.

Q: Can foundations of existing pedestrian lighting be chipped down or does the whole foundation need to be removed?

A: The pedestrian foundations can typically be chipped down to two feet below grade.

Q: Where can stockpiles be stored?

A: The City will work with the Contractor to identify an area where stockpiles can be stored.

Q: Will stamped concrete be used at the bus pads?

A: Yes, 11" stamped concrete with reinforcement will be used. The City will select a color from options provided by the Contractor.

Q: Will the Contractor be responsible for substantiation on grass and providing warranties for trees?

A: Yes, typical landscaping specifications are included in the project.

Q: What are the heights of the new illumination poles?

A: Roadway illumination poles are 28' and pedestrian scale illumination poles are approximately 14', as noted on the details.

Q: If the Contractor completes work in a section and a pole is struck by a vehicle six months later, will the Contractor be responsible for replacing it?

A: The City may consider partial releases from this responsibility as sections of work are completed.

Q: Are unit costs associated with disposal of contaminated soil included in the project documents?

A: Unit prices associated with disposal of contaminated soil are to be submitted by the Contractor.

Q: Do the project documents dictate at which location the Contractor must begin work?

A: There are restrictions on the size of the segment in which the Contractor may work at one time. The City will look for the Contractor's input on the sequence of work and where to begin.

Q: Are CTDOT specifications included in the project?

A: City specifications are used and are supplemented by CTDOT's Form 818. There is DECD funding involved.

Q: Are CHRO provisions required?

A: Yes. CHRO and DBE requirements included in the bid documents should be carefully reviewed by the Contractor.

Q: Will HMA need to be tested?

A: The specifications indicate that HMA testing is to be performed.

Q: Will the roadway be milled and paved?

A: Yes.

Q: Will preference be given to City of Hartford based contractors?

A: Please submit this question via Planet Bids.