

ADDENDUM NO. 2

DOWNTOWN SANITARY, STORMWATER, AND STREETScape IMPROVEMENTS

**Naugatuck, Connecticut
Contract No. FY24-B059**

August 16, 2023

The following information, whether offered as supplemental or for clarification purposes, hereby becomes part of the bid and contract documents for the above-referenced project.

Inclusion of this Addendum must be acknowledged by inserting its number and date on page PF-1 of the Proposal / Bid Form. Failure to acknowledge any and all addenda in the above specified bid form may be cause for rejection of a bid by the Owner on the grounds that it is not responsive. This Addendum consists of two (2) pages, plus two (2) attachments.

****SPECIFICATIONS****

ITEM 2-1: ITEM NO. 1008127A AND 1008215A

ADD Attachment 1 to the Contract Documents, which includes special provisions for Item No. 1008127 2" PVC Conduit in Trench and 1008215 2" Rigid Conduit Under Roadway.

ITEM 2-2: BID FORM UNIT PRICES

Under Add. Alternate No. 1:

- **Change** unit price of item 0921001A Concrete Sidewalk under Add. Alternate 1 to an estimated quantity of 240 S.F. with a unit price per square foot. (Bid Schedule Page 23)
- **Change** unit price of item 0921003A Concrete Sidewalk Repair to an estimated quantity of 40 S.F. with a unit price per square foot (Bid Schedule Page 23)
- **Change** unit price of item 0921010A Brick Sidewalk – Inset Paver to an estimated quantity of 375 EA. with a unit price per each (Bid Schedule Page 24)

ITEM 2-3: ASPHALT COST ADJUSTMENT

ADD Attachment 2 Special Provision No. 0406999A Asphalt Adjustment Cost to the Contract Documents.

****DRAWINGS****

ITEM 2-4: DRAWING ELE-02

REVISE Note E.3 as follows:

E3. POWER CONDUIT: PROVIDE 2" SCHEDULE 40 PVC CONDUIT AT MIN 24" BELOW FINISHED GRADE WITH PULL STRING FOR FINAL CONNECTION AND WIRING BY UTILITY. LOW VOLTAGE CONDUIT: PROVIDE 2" SCHEDULE 40 PVC CONDUIT AT A MIN 24" BELOW FINISHED GRADE WITH PULL STRING FOR FUTURE WIRING.

****QUESTION AND ANSWER****

Q2-1. The Bid Form does not have an Item For CTDOT # Section 10.01 Electrical Trenching and Back Filling (LF).

A2-1. See **ITEM 2-1**.

Q2-2. Would the Town Consider an Asphalt Cost Adjustment Allowance?

A2-2. See **ITEM 2-3**.

Q2-3. Does the "Project Total" shown on Page 18 of the Bid Schedule published in Addendum 1 include the "General Items" shown on Page 1?

A2-3. Yes, the Project Total on Page 18 shall include General Items.

Q2-4. Specified Granite MDS 28 from O&G is not sourced domestically. Since there is federal money involved in this job, please confirm there are no buy America provisions.

A2-4. There are no buy American provisions for this project.

Q2-5. On plan sheet #ELE-02 note #3 that says install power conduit with pull strings. Please confirm this is correct and if so who makes the connections.

A2-6. See **ITEM 2-4**. Final connection to be made by utility.

ATTACHMENT 1

ITEM #1008127A 2" PVC CONDUIT IN TRENCH

ITEM #1008215A 2" RIGID CONDUIT UNDER ROADWAY

Work under the items above shall conform to CTDOT Form 818 Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, and supplemented as follows:

Description: This item shall consist of furnishing and installing conduit of the size and type specified with necessary fittings, where called for, at locations shown on the plans or as directed by the Engineer and in accordance with these specifications. This item shall also include associated trenching and backfilling.

Materials: Materials for this work shall meet the requirements of M.15.09. Trenching and backfilling materials for the encasement of conduit or cable, shall be bedding material, all of which passes a 3/8-in sieve, and not more than 10% passes a No. 200 sieve. Topsoil, fertilizer, seed and mulch shall be as specified in M.13, or as shown on the plans. Pavement and sidewalk shall be as specified in M.02, M.03 and M.04. Bituminous Concrete – HMA S0.375 shall be as specified in M.04.01. Processed Aggregate base shall be as specified in M.05.01

Construction Methods: The conduit shall be installed in the locations and to the dimensions shown on the plans or as directed by the Engineer. All conduit runs shall be installed in a neat and workmanlike manner in accordance with recognized trade practices. Trenching and backfilling of conduit shall be as specified in 10.01. All conduit shall be installed in strict accordance with the current NEC. Where conduit is to be capped, a commercial pipe or conduit cap shall be used. An expansion fitting shall be used wherever required by an expansion joint in the structure. Upon completion of the work, all conduits shall be cleaned, swabbed and free from obstructions and burrs. For buried conduit, marking tape shall be installed in the trench at the depth and to the requirements as set forth in the 1.05.15. After all cable has been installed, U.L. approved duct sealing compound shall be installed in the ends of all conduit which terminates in foundations, handholes, junction boxes and manholes.

1. Conduit Surface: Beam clamps or conduit strips with back spacers shall be provided at intervals in accordance with the NEC. Expansion fittings shall be installed at all expansion joints. All surface mounted conduit on wood poles shall be bonded to a driven ground rod. Stand-offs shall be installed in accordance with serving utility company regulations.

2. Conduit in Trench: Trenches shall be of the depth and cross section shown on the plans or as directed by the Engineer. All conduit shall have a minimum covering of 2 feet.

3. Conduit Under Roadway: Installations shall be such as to avoid pockets in runs. Conduit shall have a minimum cover of 2 feet. Each end of conduit runs shall terminate with a cap in a concrete handhole as shown on the plans. The Contractor shall coordinate the placement of the conduit prior to the placement of the pavement. Where conduit is to be installed under an existing roadway a trench shall be opened and conduit installed as

shown on plans, or as directed by the Engineer. The trench shall be backfilled with suitable material and the surface shall be restored to original condition.

4. Conduit in Structure: It shall be the Contractor's responsibility to coordinate the setting of all conduit in structure prior to pouring concrete. Expansion fittings shall be installed at all expansion joints. Where shown on the plans, outlet boxes with the conduits properly connected and conduit hanger inserts with proper sized nuts installed, shall be accurately and securely placed in the forms for concrete. Care shall be taken during the placing of the concrete around these boxes and inserts to consolidate the concrete thoroughly, preventing voids and honeycomb and to prevent any material displacement of the boxes or inserts. Sealed bonding bushing shall be provided at each conduit outlet in all boxes.

5. Conduit Under Slope Protection: Conduit shall be installed in trench under bridge slope protection or between the slope protection and the edge of pavement at the locations and to the dimensions shown on the plans or as directed by the Engineer. The conduit shall have a minimum cover of 2 feet under finish grade and each end of the conduit shall extend 10 feet beyond the limits of the slope protection. All conduit shall terminate with a standard pipe cap and the trench shall be backfilled with suitable material. The Contractor shall coordinate the placement of the conduit prior to the placement of slope protection.

Method of Measurement: Conduit will be measured for payment by the actual number of linear feet of the type and size installed and accepted. The measured length shall be from end to end along the centerline through all fittings.

Basis of Payment: This work shall be paid for at the Contract unit price per linear foot for “(Size)(Kind) Conduit-(Type).” This price shall include all materials required including expansion fittings, conduit fittings, locknuts, bonding bushings, bonding wire, hangers, clamps, duct seal, caps, inserts, trenching, backfilling, equipment, tools, labor and work incidental thereto.

It shall also include all sand encasement, suitable backfill material, processed aggregate base, granular fill, backfilling, grading, seeding, fertilizing, mulching, clean-up and disposal of surplus material, sawcutting sidewalk and paved areas, as well as furnishing and installing curbing, riprap, crushed stone, topsoil, sidewalk, pavement or structure related to electrical conduit installation.

When rock that meets the description given under 10.01.01 is encountered within the limits of trenching, its removal will be classified; and the accepted quantities of rock in trench excavation will be paid for at the Contract unit price per cubic yard for "Rock in Trench Excavation." In the absence of a “Rock in Trench Excavation” item, the work will be compensated as extra work.

Material required to replace or supplement backfill as determined by the Engineer will be paid for at the Contract unit price for the material being used or as extra work if no unit price has been established.

Any pavement or bituminous concrete sidewalk replaced beyond the maximum trench limits as shown on the plans and approved by the Engineer, will be paid for at the Contract unit price for the material being used, or as extra work, if no unit price has been established.

All concrete sidewalk replaced due to electrical trench excavation, including that within the trench limits, shall be paid for at the Contract unit price for "Concrete Sidewalk" or as extra work, if no unit price has been established.

No payment for trenching and backfilling for conduit installed during construction under new pavement or in the fill area of new median barrier curb installations.

| <u>Pay Item</u> | <u>Pay Unit</u> |
|-----------------------------------|------------------------|
| 2" PVC Conduit in Trench | l.f. |
| 2" Rigid Conduit in Under Roadway | l.f. |

ATTACHMENT 2

ITEM #0406999A - ASPHALT ADJUSTMENT COST

Description: The Asphalt Adjustment Cost will be based on the variance in price for the performance-graded binder component of Hot Mix Asphalt (HMA), Polymer Modified Asphalt (PMA), Ultra-Thin Bonded HMA (UTB-HMA), Ultra-Thin Bonded PMA (UTB-PMA) and Asphalt Rubber Chip Seal treatments completed and accepted during the Contract.

The Asphalt Price is available on the Department of Transportation website at:
<http://www.ct.gov/dot/asphaltadjustment>

Construction Methods:

An asphalt adjustment will be applied only if all the following conditions are met per mixture:

I. For HMA and PMA mixtures:

- a. The HMA or PMA mixture for which the adjustment would be applied is listed as a Contract item with a pay unit of tons.
- b. ***The total quantity for all HMA and PMA mixtures in the Contract or individual purchase order (Department of Administrative Service contract awards) exceeds 1000 tons or the Project duration is greater than 6 months.***
- c. The difference between the posted *Asphalt Base Price* and *Asphalt Period Price* varies by more than \$5.00 per ton.

II. For UTB-HMA and UTB-PMA mixtures:

- a. The UTB-HMA or UTB-PMA mixture for which the adjustment would be applied is listed as a Contract item.
- b. ***The total quantity for the UTB-HMA or UTB-PMA mixture in the Contract exceeds:***
 - i. 800 tons if the UTB-HMA or UTB-PMA item has a pay unit of tons,***
 - ii. 30,000 square yards if the UTB-HMA or UTB-PMA item has a pay unit of square yards, or***
 - iii. the Project duration is greater than 6 months.***

Note: The quantity of UTB-HMA or UTB-PMA measured in tons shall be determined from the material documentation requirements set forth in the UTB-HMA or UTB-PMA item specification.

- c. The difference between the posted *Asphalt Base Price* and *Asphalt Period Price* varies by more than \$5.00 per ton.
- d. No Asphalt Adjustment Cost will be applied to the liquid emulsion that is specified as part of the UTB-HMA or UTB-PMA mixture system.

III. For Asphalt Rubber Chip Seal treatments:

- a. The Asphalt Rubber Chip Seal treatment for which the adjustment would be applied is listed as a Contract item.
- b. ***The total quantity for the Asphalt Rubber Chip Seal treatment in the Contract exceeds 30,000 square yards or the Project duration is greater than 6 months.***

Note: The quantity of asphalt binder measured in tons used for the Asphalt Rubber Chip Seal treatment shall be determined from the material documentation requirements

set forth in the Asphalt Rubber Chip Seal item specification. The Asphalt Adjustment Cost will also be applied to the asphalt binder used to pre-coat the cover aggregate as part of the Asphalt Rubber Chip Seal and will be considered as a portion of the total tons of binder for the treatment. The additional quantity of binder measured in tons will be determined based on a percentage of the cover aggregate weight per the requirements set forth in the Asphalt Rubber Chip Seal item specification.

- c. The difference between the posted *Asphalt Base Price* and *Asphalt Period Price* varies by more than \$5.00 per ton.

IV. Regardless of the binder used in all HMA, PMA, UTB-HMA and UTB-PMA mixtures or Asphalt Rubber Chip Seal treatments, the Asphalt Adjustment Cost will be based on PG 64-22.

The Connecticut Department of Transportation (CTDOT) will post on its website, the average per ton selling price (asphalt price) of the performance-graded binder. The average is based on the high and low selling price published in the most recent available issue of the **Asphalt Weekly Monitor**® furnished by Poten & Partners, Inc. under the “East Coast Market – New England, New Haven, Connecticut area,” F.O.B. manufacturer’s terminal.

The selling price furnished from the Asphalt Weekly Monitor ® is based on United States dollars per standard ton (US\$/ST).

Method of Measurement:

A.

$$\text{Formula A: HMA} \times [\text{PG}\% / 100] \times [(\text{Period Price} - \text{Base Price})] = \$ \underline{\hspace{2cm}}$$

Where:

- **HMA:**
 1. For HMA, PMA, UTB-HMA and UTB-PMA mixtures with pay units of tons:
The quantity in tons of accepted HMA, PMA, UTB-HMA or UTB-PMA mixture measured and accepted for payment.
 2. For UTB-HMA and UTB-PMA mixtures with pay units of square yards:
The quantity of UTB-HMA and UTB-PMA mixture delivered, placed, and accepted for payment, calculated in tons as reported according to the Material Documentation provision of the UTB-HMA and UTB-PMA specification.
- **Asphalt Base Price:** The asphalt price posted on the CTDOT website 28 days before the actual bid opening posted.
- **Asphalt Period Price:** The asphalt price posted on the CTDOT website during the period the HMA, PMA, UTB-HMA and UTB-PMA mixture was placed.
- **PG%** (Performance-Graded Binder percentage):
 1. For HMA or PMA mixes:
 - PG% = 4.5 for HMA S1 and PMA S1
 - PG% = 5.0 for HMA S0.5 and PMA S0.5
 - PG% = 6.0 for HMA S0.375, PMA S0.375, HMA S0.25 and PMA S0.25
 2. For UTB-HMA and UTB-PMA mixes:
 - PG% = Design % PGB (Performance Graded Binder) in the approved job mix formula, expressed as a percentage to the tenth place (e.g. 5.1%)