

ADDENDUM NO. 4

DOWNTOWN SANITARY, STORMWATER, AND STREETScape IMPROVEMENTS

Naugatuck, Connecticut
Contract No. FY24-B059

August 24, 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 one (1) attachment.

****SPECIFICATIONS****

ITEM 3-1: Item No. 0406999A Asphalt Adjustment Cost

REPLACE Special Provision Item No. 0406999A with **Attachment 1**. This version includes the addition of page 3.

REPLACE page 1 of Bid Schedule with **Attachment 2**. This version includes Item No. 0406999A Asphalt Adjustment Cost to the Bid Schedule with an estimated allowance of \$10,000.

ITEM 3-2: Bid Schedule - Alternate 1

REPLACE page 20 of Bid Schedule with **Attachment 3**. This version replaces Item No. 0406170 for HMA S1 with Item No. 0406171 HMA S0.5, including an estimated quantity of 700 tons.

****QUESTION AND ANSWER****

Q3-1. Where is the 600 tons HMA S1.0 on the Alternate 1 – Maple Street? Is this the wear course after the milling? HMA S0.5 is used on all other locations as the wear course....

*A3-1. A minimum thickness of 2-1/2 inches of HMA S0.5 is required to achieve proposed grades in Alternate 1 – Maple Street. Refer to **Item 3-2**.*

Q3-2. Concerning alternate #1, bid item 0406170 - 600 tons HMA S1: The cross sections shows S.5 for the overlay on Maple street. Please confirm if the HMA VSI is correct and what the thickness is required?

- A3-2. Refer it **Item 3-2** and answer to question Q3-1.
- Q3-3. I see no verbiage in the specs that call for SBE, DBE, or MBE Participation. Is there any requirement for these subs?*
- A3-3. The Borough encourages SBE, WBE, and SBE's to apply, however, there are no specific requirements associated with this project.
- Q3-4. Add #2 added an Asphalt Escalation Spec. How will that be paid? Typically it is an additional Bid Item with an Allowance \$\$ Value.*
- A3-4. Refer to **Item 3-1**.
- Q3-5. I am told by a supplier that the specified Belden Pavers do not make an 8" x 8" x 2-3/4" paver. Please review and advise.*
- A3-5. Re-contact the CT representative for Belden pavers and request that the 8" x 8" x 2 3/4" paver be priced as a "shape" to include in the bid.
- Q3-6. How is the contractor paid for silt fence?*
- A3-6. Silt fence is required at the outfall plunge pool. Silt fence will be paid under item lump sum Item No. 0219004.3A.
- Q3-7. How is the contractor paid for construction fence?*
- A3-7. Tree protection fence will be paid for under Item No. 0915000A. Construction fence required at the Town Green will be paid for under lump sum Item 0219004.2A.
- Q3-8. How is the contractor paid for root pruning and root protection matting?*
- A3-8. General root pruning and protection will be paid under lump sum item 0915000A. Root pruning and protection associated with GSI-01 will be paid under Item 0219004.1A Tree Filters. Root pruning and protection associated with GSI-02 will be paid for under Item 0219004.2A Subsurface Infiltration.

ATTACHMENT 1

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

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%)

B. For Asphalt Rubber Chip Seal:

Formula B: Total Tons x [(*Period Price* - *Base Price*)] = \$ ____

Where:

- **Total tons:** The tons of asphalt binder for each lot of asphalt rubber produced, as reported according to the Testing and Certification article of the specification for Asphalt Rubber Chip Seal, and the tonnage of binder used to coat the cover aggregate calculated as follows: 0.6% x tons of cover aggregate.
- **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 Asphalt Rubber Chip Seal mixture was placed.

The Asphalt Adjustment Cost shall not be considered as a changed condition in the Contract as result of this provision since all bidders are notified before submission of bids.

Basis of Payment: The "Asphalt Adjustment Cost" will be calculated using the applicable formula(s) indicated above. A payment will be made for an increase in costs. A deduction from monies due the Contractor will be made for a decrease in costs.

The sum of money shown on the Estimate and in the itemized proposal as "Estimated Cost" for this item will be considered the bid price although the adjustment will be made as described above. The estimated cost figure is not to be altered in any manner by the bidder. If the bidder should alter the amount shown, the altered figure will be disregarded and the original cost figure will be used to determine the amount of the bid for the Contract.

Pay Item	Pay Unit
Asphalt Adjustment Cost	est.

ATTACHMENT 2

**PROPOSAL FORM - BID SCHEDULE
DOWNTOWN SANITARY, SEWER, AND COMPLETE STREETS IMPROVEMENTS
PROJECT NO. FY 23-B059
BOROUGH OF NAUGATUCK, CONNECTICUT**

BIDDER'S NAME: _____

GENERAL ITEMS

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0971001	1	L.S.	MAINTENANCE AND PROTECTION OF TRAFFIC		
			_____ dollars and _____ cents per lump sum	\$	\$
0975004	1	L.S.	MOBILIZATION AND PROJECT CLOSEOUT		
			_____ dollars and _____ cents per lump sum	\$	\$
0980020	1	L.S.	CONSTRUCTION SURVEYING		
			_____ dollars and _____ cents per lump sum	\$	\$
0970006	1	EST.	TRAFFICPERSON (MUNICIPAL POLICE OFFICER) (ESTIMATED COST)		
			three-hundred twenty-thousand _____ dollars and no _____ cents estimated	\$320,000.00	\$320,000.00
0969060A	15	MO.	CONSTRUCTION FIELD OFFICE, SMALL		
			_____ dollars and _____ cents per month	\$	\$
0406999A	1	EST.	ASPHALT ADJUSTMENT COST		
			ten-thousand _____ dollars and no _____ cents estimated	\$10,000.00	\$10,000.00
GENERAL PROJECT ITEMS TOTAL (in words)					
				\$	\$

ATTACHMENT 3

ITEM	EST. QTY.	UNITS	DESCRIPTION AND WRITTEN UNIT PRICE	UNIT PRICE	AMOUNT
0304002	10	C.Y.	PROCESSED AGGREGATE BASE		
			_____ dollars and _____ cents per cubic yard	\$	\$
0406171	700	TON	HMA 0.5		
			_____ dollars and _____ cents per ton	\$	\$
0406236	300	GAL.	MATERIAL FOR TACK COAT		
			_____ dollars and _____ cents per gallon	\$	\$
0507105	1	EA.	CONNECTION TO EXISTING MANHOLE AND/OR CATCH BASIN		
			_____ dollars and _____ cents per each	\$	\$
0507119A	1	EA.	GRANITE CURB CATCH BASIN INLET (SINGLE)		
			_____ dollars and _____ cents per each	\$	\$
0507120A	1	EA.	GRANITE CURB CATCH BASIN INLET (DOUBLE)		
			_____ dollars and _____ cents per each	\$	\$
0507554	1	EA.	RESET FRAME AND GRATE FOR CATCH BASIN		
			_____ dollars and _____ cents per each	\$	\$
0586001.1	1	EA.	TYPE 'C' CATCH BASIN - 0'-10' DEEP		
			_____ dollars and _____ cents per each	\$	\$
0586005.1	1	EA.	TYPE 'C' CATCH BASIN DOUBLE GRATE TYPE 2 - 0' - 10' DEEP		
			_____ dollars and _____ cents per each	\$	\$