

MARCH 20, 2020

REHABILITATION OF BRIDGE NOS. 01218 AND 04180
INTERSTATE 84 WB/EB OVER HOUSATONIC RIVER

FEDERAL AID PROJECT NO. 1096(111)
STATE PROJECT NO. 0096-0201

TOWNS OF NEWTOWN AND SOUTHBURY

ADDENDUM NO. 2

This Addendum addresses the following questions and answers contained on the “CT DOT QUESTIONS AND ANSWERS WEBSITE FOR ADVERTISED CONSTRUCTION PROJECTS”:

Question and Answer No. 47, 56, 61 and 68

SPECIAL PROVISIONS

NEW SPECIAL PROVISION

The following Special Provision is hereby added:

- **ITEM NO. 0202318A - MANAGEMENT OF REUSABLE CONTROLLED MATERIAL**

REVISED SPECIAL PROVISION

The following Special Provision is hereby deleted in its entirety and replaced with the attached like-named Special Provision:

- **ITEM NO. 0520902A – INSTALLATION OF FINGER JOINTS**

CONTRACT ITEMS

NEW CONTRACT ITEM

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>
<u>0202318A</u>	<u>MANAGEMENT OF REUSABLE CONTROLLED MATERIAL</u>	<u>CY</u>	<u>7.850</u>

REVISED CONTRACT ITEM

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>ORIGINAL QUANTITY</u>	<u>REVISED QUANTITY</u>
<u>0202000</u>	<u>EARTH EXCAVATION</u>	<u>7,200 CY</u>	<u>9,000 CY</u>

DELETED CONTRACT ITEM

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>ORIGINAL QUANTITY</u>	<u>REVISED QUANTITY</u>
0213100	GRANULAR FILL	142 CY	0

PLANS

REVISED PLANS

The following Plan Sheets are hereby deleted and replaced with the like-numbered Plan Sheets:

- 02.01.A2
- 04.01.39.A2
- 04.01.40.A2
- 04.01.41.A2
- 04.02.38.A2
- 04.02.39.A2
- 04.02.40.A2

The Bid Proposal Form has been revised to reflect these changes.

The Detailed Estimate Sheets do not reflect these changes.

There will be no change in the number of calendar days due to this Addendum.

The foregoing is hereby made a part of the contract.

ITEM #0202318A - MANAGEMENT OF REUSABLE CONTROLLED MATERIAL

Description:

Work under this item shall include all materials, equipment, tools and labor required to; load, transport from the Waste Stockpile Areas (WSAs) or Temporary Reuse Stockpile Areas (TRSAs), place and compact reusable controlled materials in fill areas located within the Project limits as well as the final grading of the controlled materials. “Reusable Controlled Material” is soil from the WSAs that contains contaminant concentrations above analytical detection limits, but below the applicable regulatory criteria following characterization, and soil from the TRSAs that will later be reused within the project limits.

Construction Methods:

Controlled material stored within the WSAs which is determined to be reusable following analytical testing and controlled material stored at the TRSAs shall be loaded, transported, placed and compacted at fill areas located within the Project limits in accordance with the following conditions: (1) such soil is deemed to be structurally suitable for use as fill by the Engineer; (2) such soil is not placed below the water table; 3) the DEEP groundwater classification of the area where the soil is to be reused as fill does not preclude said reuse; and (4) such soil is not placed in an area subject to erosion.

Surplus material from the TRSAs that is not reused on site shall be regraded as directed by the Engineer. All material reused under this item shall be spread to the final slopes and grades directed by the Engineer.

Method of Measurement:

“Management of Reusable Controlled Material” will be measured for payment by the number of cubic yards of material loaded and transported from the WSAs or TRSAs and placed, spread and compacted at locations within the Project limits in accordance with the Contract.

The volume of material loaded and transported to the project site for final grading of the Access Roads or construction of the Water Quality Swales will not be measured for payment.

Basis of Payment:

This work will be paid for at the Contract unit price, per cubic yard, which shall include all materials, equipment, tools and labor necessary to load and transport reusable controlled materials from the WSAs or TRSAs to fill areas located within the Project limits and to place, grade and compact the reusable material. This price shall include any decontamination of soil handling equipment, and the treatment/recycling/disposal of wastes generated in conjunction with such decontamination.

Item #0202318A

No separate payment will be made for consolidating individual stockpiles or for final grading of any material left at the TRSAs after all fill has been placed but shall be considered incidental to the work.

No separate payment will be made for loading and transporting material from the TRSA or WSA to the project site for the construction of Water Quality Swales, as that work is included under Item No. 0210016A, Water Quality Swale.

No separate payment will be made for loading and transporting material from the TRSA or WSA to the project site for the final grading of the Access Roads, as that work is included under Item Nos. 0202593A and 0202594A, Access Road (Sites 1 and 2).

Pay Item	Pay Unit
Management of Reusable Controlled Materials	C.Y.

ITEM #0520902A - INSTALLATION OF FINGERJOINTS

Description:

Work under this item shall consist of furnishing and installing a steel finger expansion joint including steel curb, sidewalk and parapet closure assemblies, anchor studs, anchorage devices, anchor bolts, shipping devices, concrete header all in accordance with these specifications and in conformity to the lines, elevations, and locations shown on the plans. The work shall conform to the general requirements of Section 6.03 — Structural Steel and Section 6.01 Concrete for Structures.

Materials:

Structural steel shapes and plates shall conform to the requirements of ASTM A709 Grade 50. The complete assembly shall be galvanized after fabrication in conformance with the requirements of ASTM A123.

Anchor bolts shall conform to ASTM F1554 Grade 36. Anchor bolt nuts shall conform to ASTM F563.

Anchor bolts, nuts and washers shall be mechanically galvanized to conform to the requirements of ASTM B695, Class 50.

Anchor studs shall be standard welded anchor studs, conforming to the requirements of Article M.06.02

Fasteners used to secure the sliding cover plate at the parapets and sidewalks shall conform to ASTM F835 and A153 (Galvanized). The fasteners shall be recessed in the sliding plate such that the top of the fastener is flush with the sliding plate surface. This will require countersunk holes and flat head fasteners.

Field touch up paint for use at field welds and to repair damaged areas of the galvanizing shall be a zinc paint conforming to MIL-P-21035 and shall be brush-applied.

Concrete in the deck headers, curbs, sidewalks and parapets shall conform to Class PCC04462 Concrete.

The Contractor shall provide a Certified Test Report and Materials Certificate for the steel and anchor bolts and studs in accordance with the requirements of Article 1.06.07.

Construction Methods:

Shop Drawings: Before fabricating any section of expansion joint, the Contractor shall submit shop drawings to the Engineer for approval in accordance with Article 1.05.02-3. These

ITEM #0520902A

drawings shall include but not be limited to the following information:

- A. The complete details of the method, materials and equipment proposed to be used in the installation.
- B. Plan of the joint showing the location of splices, welds, anchor studs, anchoring devices and erection angles.
- C. Complete details of fabrication of curb, sidewalk and parapet closure assemblies.
- D. Table of joint opening widths for various installation temperatures.
- E. Means of adjusting width and grade of the prefabricated joint assemblies.

Surfaces which are to be welded shall be cleaned and all protrusions shall be removed by grinding or other suitable methods.

Fabrication shall be in accordance with Article 6.03.03. The AWS Structural Welding Code D1.1— Steel may be used for fabrication of the assembly.

Studs or any other mechanism used to anchor the finger joint assembly into the concrete shall be accurately installed in the shop at the locations shown on approved shop drawings.

Stud welding shall be in accordance with Article 5.08.03 with the exception that testing studs by bending with hammer blows is not required.

The assembled expansion joint shall not be installed until the deck concrete on the adjacent slabs has cured for a minimum of 10 days, and all superimposed dead loads have been placed on the adjacent spans except those which cannot be placed because of required construction sequence. Movement of the joint due to future superimposed dead loads shall be provided for by adjusting the width of the joint accordingly.

The profile of the joint in the pavement area shall conform to the roadway cross section. The expansion joint assembly shall be preset, in accordance with approved shop drawings, joint setting data and specifications. The assembly shall be properly secured for shipping. Provision shall be made for final field adjustment at the time of installation.

All movements due to factors such as shrinkage, creep and midspan deflection shall be properly accounted for prior to this final adjustment.

Concrete headers and adjacent portions of curbs, sidewalks and parapets shall be constructed in accordance with the applicable requirements of Article 6.01.03.

Method of Measurement:

This work will be measured for payment by the actual number of linear feet of joint completed and accepted, measured along the center line of the joint from curb line to curb line. The length

ITEM #0520902A

of joint continuing up the curb and along the surface of parapets and sidewalks shall not be measured for payment.

Basis of Payment:

This work will be paid for at the contract unit price per linear foot for “Installation of Finger Joints”, complete in place, which price shall include furnishing and installing a steel finger expansion joint including steel curb, sidewalk and parapet closure assemblies, anchor studs, anchorage devices, anchor bolts, shipping devices, and concrete headers and all materials, equipment, and labor incidental thereto.

<u>Pav Item</u>	<u>Pav Unit</u>
Installation of Finger Joints	L.F.