

February 1, 2019
STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION
DIVISION OF PURCHASES BID NO. 7598556

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2019-CB-011

FEDERAL-AID PROJECT NO. FAP Nos: BHO-0243(002)

Statewide Bridge Repairs Contract 4 - Amtrak Bridges

Statewide

CITY/TOWN OF Warwick

COUNTY OF KENT

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 2 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Clarification

1. Clarification

For Bridges 243, 834, and 841 final cold planning and overlay shall be performed after completion of all construction phases. For Bridge No. 772, the pavement and waterproofing membrane shall be removed and replaced during each phase of construction.

B. Specification Change/Addition

1. Page JS-19 (R-1)

Remove Page JS-19 (R-1) in its entirety and replace with revised Page JS-19 (R-2) attached to this Addendum No. 2

CODE 410.9901 MICRO MILLING AND FILL RUMBLE STRIP WITH CLASS 9.5 HOT MIX ASPHALT has been revised to reflect a minimum milling depth of 1 ½ inches and clarify that asphalt emulsion tack coat is required per Section 403 of the Rhode Island Standard Specifications for Road and Bridge Construction, and is included in the contract unit bid price per square yard of this Item.

2. Pages JS-20 through JS-23

Remove Pages JS-20 through JS-23 in their entirety and replace with revised Pages JS-20 (R-1) through JS-23 (R-1) attached to this Addendum No. 2

CODE 803.9910 REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUBSTRUCTURE and CODE 803.9920 REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUPERSTRUCTURE have been revised to specifically include the removal of granite curbing that is integral to the concrete components to be removed.

C. Distribution of Quantities

1. Index Pages 1 & 2

Remove Index Pages 1 & 2 and replace with revised Index Pages 1 & 2 (R-1) attached to this Addendum No. 2.

The index has been revised.

2. Page 6

Remove Page 6 and replace with revised Page 6 (R-1) attached to this Addendum No. 2.

The quantity of Item 803.0400 CLEANING BRIDGE BEAM SEATS has been revised.

D. Drawings/Plans - Change/Addition

1. Sheet 20 – Joint Repair Details

Remove Sheet 20 in its entirety and replace with revised Sheet 20 (R-1) attached to this Addendum No. 2.

Pavement-related details have been revised.

2. Sheet 43 – Joint and Deck Repair Details

Remove Sheet 43 in its entirety and replace with revised Sheet 43 (R-1) attached to this Addendum No. 2.

Pavement-related details have been revised.

3. Sheet 54 – Joint Repair Details Sheet 1

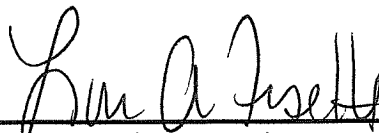
Remove Sheet 54 in its entirety and replace with revised Sheet 54 (R-1) attached to this Addendum No. 2.

Pavement-related details have been revised.

4. Sheet 68 – Joint Repair Details Sheet 1

Remove Sheet 68 in its entirety and replace with revised Sheet 68 (R-1) attached to this Addendum No. 2.

Pavement-related details have been revised.



RI Department of Transportation

Administrator, Division of Project Management

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**CODE 410.9901
MICRO MILLING AND FILL RUMBLE STRIP
WITH CLASS 9.5 HOT MIX ASPHALT**

DESCRIPTION:

This work consists of micro milling and filling the existing rumble strips on Route 4 for crossover traffic to the limits shown on the Maintenance and Protection of Traffic Plans and as directed by the Engineer. All work and materials shall be in accordance with the Rhode Island Standard Specification for Road and Bridge Construction, (Amended 2018) and all revisions, these Special Provisions, and as described elsewhere in the Contract Documents and as directed by the Engineer.

MATERIALS:

The fill material shall conform to the requirements for Class 9.5 Hot Mix Asphalt (HMA) and Asphalt Emulsion Tack Coat as set forth in Sections 401 and 403 of the Standard Specification.

CONSTRUCTION METHODS:

The Contractor will micro mill 1.5" minimum deep and 24" wide area along the existing rumble strip, fill and compact the milled area with 1" of Class 9.5 HMA so that the area is flush with the existing roadway pavement when complete. The rumble strip area shall be free of loose asphalt, debris and excess moisture. The compaction shall be done using a vibratory plate compactor or other appropriate equipment.

METHOD OF MEASUREMENT:

"ITEM CODE 410.9901 MICRO MILLING AND FILL RUMBLE STRIP WITH CLASS 9.5 HOT MIX ASPHALT" will be measured for payment by the "Square Yard" of rumble strip actually milled and filled in accordance with this Special Provision and elsewhere in the Contract Documents and/or as directed by the Engineer.

BASIS OF PAYMENT:

The accepted quantity of "ITEM CODE 410.9901 MICRO MILLING AND FILL RUMBLE STRIP WITH CLASS 9.5 HOT MIX ASPHALT" will be paid for at the contract unit price per "Square Yard" as listed in the Proposal. The price so-stated will constitute full and complete compensation for all labor, materials, tools, equipment, and all incidentals required to finish the work as described in this Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

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**CODE 803.9910
REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUBSTRUCTURE**

**CODE 803.9920
REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUPERSTRUCTURE**

DESCRIPTION:

The work under these items shall consist of the removal and disposal of existing reinforced concrete, associated structural steel embedded in the concrete and other related items, as described herein and to the limits as shown on the Contract Drawings.

Within the limits and at the locations indicated on the Contract Drawings, the "REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUBSTRUCTURE" item shall include:

- The removal and disposal of portions of existing reinforced concrete median barrier, return wall stem, parapet, pier cap, pylon, endpost, backwall, and approach slab. This item shall also include the removal and disposal of associated structural steel components and hardware embedded within or attached to the concrete within the limits indicated on the Drawings. Certain reinforcing steel is to remain in place and is shown on the Contract Drawings.
- This work shall also include the removal and disposal of granite curbing that is integral to the reinforced concrete components listed above, to the limits shown on the Drawings.
- This work shall also include saw cutting concrete, cutting reinforcing steel as shown on the plans and surface preparation of the reinforcing steel and concrete prior to the placement of new concrete.

The "REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUPERSTRUCTURE" item shall include the following:

- The removal and disposal of designated portions of existing reinforced concrete deck at roadway joints including all existing joint hardware cast within or attached to the concrete, all expansion joint materials, fillers and seals, sub-pavement drains, scuppers, scupper piping, and existing steel traffic plates all within the limits shown on the Contract Drawings. This will require the cutting of certain steel joint hardware for the partial removal of the expansion joint steel hardware.

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- The removal and disposal of designated portions of existing reinforced concrete safety walk, sidewalk, parapet, and barrier, including all conduits, hardware, granite curbing, and other appurtenances embedded within limits of the concrete designated for removal and disposal.
- Maintaining certain reinforcing steel is to remain in place as indicated on the Contract Drawings.
- This work shall also include saw cutting concrete, cutting reinforcing steel, and cutting steel hardware as shown on the plans and surface preparation of the reinforcing steel and concrete prior to the placement of new concrete.

Care shall be taken to protect all utility lines, ducts and fittings designated to remain in place. Any damage to existing utility lines shall be repaired by the Contractor at his own expense and to the satisfaction of the Engineer and the respective utility companies.

In addition all respective utility companies are to be given a minimum of two (2) weeks advanced notice of concrete removal to be performed adjacent to their lines. The Contractor shall confirm the location and status of each Utility line (with the respective utility companies) prior to any concrete removal. Refer to "Utility and Municipal Notification and Coordination" in the Contract CS pages for further information.

CONSTRUCTION METHODS:

The Contractor shall phase and/or perform this work in accordance with the sequence of construction, the Maintenance and Protection of Traffic Plans found in the Contract Drawings, and the restrictions noted in the TMP and CS pages.

The boundaries of the concrete areas to be removed where indicated on the Contract Drawings or as directed by the Engineer, shall be saw cut square to a minimum depth of 1 inch (½ inch for decks). Concrete removal shall be by means of suitable power and hand tools which will not cause over-breakage. Care shall be taken during the removal of the designated portions of the structure to avoid damaging the portions that are to remain.

The pneumatic hammer used to remove concrete shall not be heavier than the nominal 30 pound class. Chipping hammers or mechanical chipping tools, to remove concrete within two inches beneath or around reinforcing steel to remain, shall not be heavier than nominal 15 pound class. These power-driven hand tools shall never be placed in direct contact with the reinforcing steel to remain.

Regardless of the method of removal, if in the opinion of the Engineer the removal operation causes excessive damage to portions of the concrete which are to remain, the Contractor shall cease his operations until such time that an alternate removal method

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has been proposed by the Contractor and has been approved by the Engineer. No resulting delays due to "cease of operations" will result in claims for additional payment by the Contractor to the State, or an extension of the project completion date.

All corroded reinforcing bars to remain within the concrete removal boundaries shall be thoroughly cleaned by sandblasting or by other suitable methods approved by the Engineer in order to remove all rust. All newly exposed concrete surfaces shall be free of loose particles and other foreign material. They shall be cleaned and be left roughened by the use of sandblasting, compressed air, air and water blasting, steam, wire brushing, or by other suitable methods approved by the Engineer.

Special concrete removal methods shall be used during the locating of and removal of concrete around existing utilities to remain. These methods may be limited to chipping hammers or small pneumatic hammers which will pose minimal risk of damage to the utilities. The Contractor shall submit these special removal methods to the Engineer for approval prior to any concrete removal. The Contractor may, at the discretion of the Engineer, leave a minimal cover of existing concrete around the ducts (thereby leaving the ducts in place) provided that the new concrete section is of adequate thickness and that a suitable bonding agent is applied at the interface of the old and new concrete. Where the ducts are temporarily unsupported during construction, adequate support shall be provided at no additional payment.

All ducts (including inactive or empty ducts) which are damaged during the concrete removal shall be repaired to the satisfaction of the Engineer and the respective Utility Company at no additional cost. This repair work will include the installation of expansion fittings, sleeves, and other incidental hardware as required.

The Contractor shall insure that his removal and disposal operations do not cause damage to any existing structures or properties. Any resulting damages will be repaired to the satisfaction of the Engineer and property owner(s) at the expense of the Contractor.

The methods and equipment to be used for the removal and disposal, as described in this Special Provision, and the disclosure of the Contractor's proposed disposal area(s), shall be submitted by the Contractor to the Engineer for approval prior to the commencement of work. Said approval(s) shall in no way relieve the Contractor of sole liability for damages resulting from his operations.

The Contractor shall install temporary deck underside protective shielding prior to commencement of demolition. This work shall be in accordance with Item Code 803.0500 "TEMPORARY DECK UNDERSIDE & SIDE PROTECTIVE SHIELDING" included in the Standard Specifications and as modified by the Contract Drawings. The costs for this item shall be included for payment under Item Code 803.0500 "TEMPORARY DECK UNDERSIDE & SIDE PROTECTIVE SHIELDING".

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Prior to commencement of demolition activities, the Contractor shall prepare and submit to the Engineer for approval, detailed demolition plans signed and sealed by a Professional Engineer licensed in the State of Rhode Island. Said demolition plans shall include, but not be limited to, equipment types and locations, removal sequence, and all else necessary to clearly describe the work to be performed. An approved demolition plan as described above is required prior to commencement of any demolition activities. Approval(s) of demolition plans, procedures, etc. shall in no way relieve the Contractor of sole liability for damages resulting from the removal and disposal operations.

All removed materials shall be taken from the site as the work progresses. No storing or burying of material or debris on site will be permitted.

METHOD OF MEASUREMENT:

"ITEM CODE 803.9910 REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUBSTRUCTURE", and "ITEM CODE 803.9920 REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUPERSTRUCTURE" will be measured for payment by the "Cubic Yard" of concrete, including granite curbing, actually removed and disposed in accordance with this Special Provision and elsewhere in the Contract Documents and/or as directed by the Engineer.

BASIS OF PAYMENT:

The accepted quantities of "ITEM CODE 803.9910 REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUBSTRUCTURE", and "ITEM CODE 803.9920 REMOVE & DISPOSE PORTION OF EXISTING CONCRETE SUPERSTRUCTURE" will be paid for at the contract unit price per "Cubic Yard", as listed in the Proposal. The price so-stated will constitute full and complete compensation for all labor, materials, tools, equipment, and all incidentals required to finish the work as described in this Special Provision and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

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Distribution of Quantities

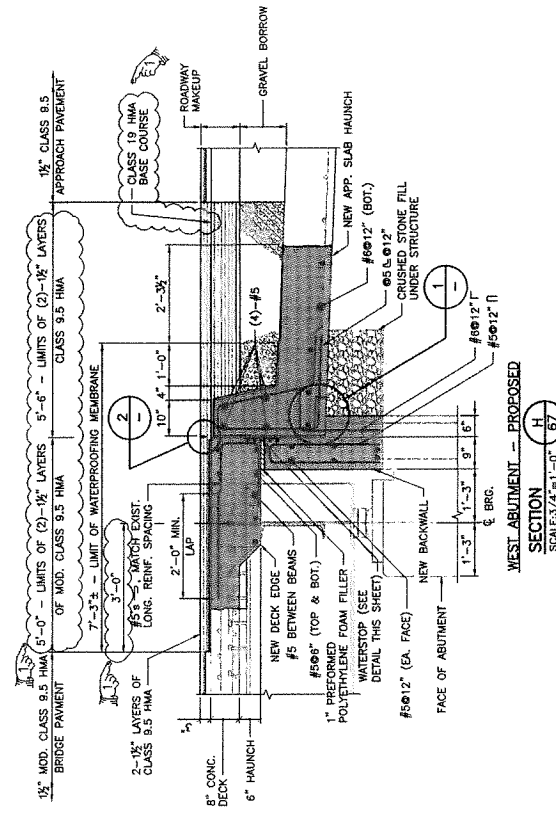
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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
020	803.0400	CLEANING BRIDGE BEAM SEATS	EACH			
		BRIDGE NO. 243				
		BRIDGE NO. 243		1.00	0014	01
				Item 803.0400 Total:		1.00
021	803.0500	TEMPORARY DECK UNDERSIDE AND SIDE	SF			
		PROTECTIVE SHIELDING				
		BRIDGE NO. 243				
		BRIDGE NO. 243		5,200.00	0014	01
		BRIDGE NO. 772				
		BRIDGE NO. 772		1,600.00	0014	01
		BRIDGE NO. 834				
		BRIDGE NO. 834		2,050.00	0014	01
		BRIDGE NO. 841				
		BRIDGE NO. 841		1,150.00	0014	01
				Item 803.0500 Total:		10,000.00
022	803.9910	REMOVE AND DISPOSE PORTION OF	CY			
		EXISTING CONCRETE SUBSTRUCTURE				
		BRIDGE NO. 243				
		BRIDGE NO. 243		100.00	0014	01
		BRIDGE NO. 772				
		BRIDGE NO. 772		88.00	0014	01
		BRIDGE NO. 834				
		BRIDGE NO. 834		7.00	0014	01
		BRIDGE NO. 841				
		BRIDGE NO. 841		41.00	0014	01
				Item 803.9910 Total:		236.00
023	803.9920	REMOVE AND DISPOSE PORTION OF	CY			
		EXISTING CONCRETE SUPERSTRUCTURE				
		BRIDGE NO. 243				
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REV. NO.	DATE	BY	REASON
1	08/15/2019	ES	ISSUE FOR BIDDING

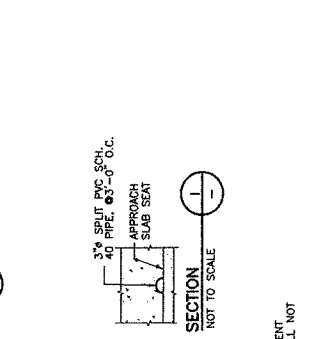
PROJ. NO.	PROJ. NAME	DATE
101000000	STATEWIDE BRIDGE REPAIRS	08/15/2019

R-1

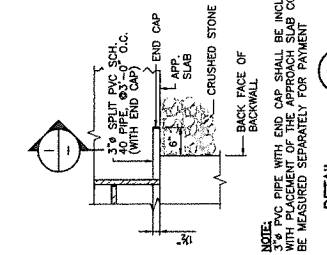


SECTION G
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66

SECTION H
SCALE: 3/4" = 1'-0"
67



DETAIL 1
NOT TO SCALE



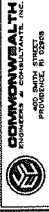
DETAIL 2
NOT TO SCALE

- NOTES:
- WATERSTOP SHALL BE IN ACCORDANCE WITH SECTION 812 OF THE STANDARD SPECIFICATIONS AND SHALL BE INCLUDED IN THE COST OF BACKWALL CONCRETE.
 - WATERSTOP SHALL BE CONTINUOUS, WITHOUT JOINTS, FOR FULL WIDTH OF DECK

REVISIONS	NO.	DATE	BY
	1	08/15/2019	ES

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
STATEWIDE BRIDGE REPAIRS
CONTRACT 4 - AMTRAK BRIDGES
GORTON RAILROAD BRIDGE NO. 841
WARWICK, RHODE ISLAND

JOINT REPAIR DETAILS
SHEET 1



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