

October 30, 2013

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7533366

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2014-CH-041

FEDERAL-AID PROJECT NO. FAP Nos: STP-0235(005)

Type II Emergency Replacement of Woodville Road Clapper

CITY/TOWN OF Hopkinton

COUNTY OF WASHINGTON

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1 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. Other Item Changes

1. 208.9901 - DIVERT BASE LEVEL STREAM FLOW OF TOMAQUAG BROOK
Description Updated To "DIVERT BASE LEVEL STREAM FLOW OF TOMAQUAG BROOK".
2. 401.9901 - PAVEMENT, EXCAVATION, STRIPING AND TRAFFIC CONTROL
Description Updated To "PAVEMENT, EXCAVATION, STRIPING AND TRAFFIC CONTROL".
3. 701.9901 - REMOVE AND DISPOSE CULVERT AND INSTALL NEW CULVERT
Description Updated To "REMOVE AND DISPOSE CULVERT AND INSTALL NEW CULVERT".

B. Contract Documents

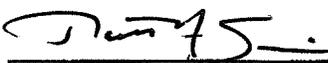
1. JS Pages
Remove JS-i in its entirety and replace with page JS-i (R-1) attached to this Addendum No. 1. The index has been modified.

C. Distribution of Quantities

1. Index
Remove index and replace with index (R-1) attached to this Addendum No. 1. The index has been modified

2. Page 1 of 1

Remove page 1 of 1 in its entirety and replace with page 1 of 1 (R-1) attached to this Addendum No.
1. The item descriptions have been modified.



RI Department of Transportation
Chief Engineer

**SPECIFICATIONS – JOB SPECIFIC
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CODE 208.9901 DIVERT BASE LEVEL STREAM FLOW OF TOMAQUAG BROOK

DESCRIPTION

This item shall consist of all work necessary to successfully divert the base level stream flow of Tomaquag Brook bypassing the existing culvert, pumping from the discharge basin and discharging to a sedimentation basin and dewatering basin downstream of the culvert on the opposite side of Woodville Road. The following points represent conditions and parameters necessary to accomplish this task.

- Providing a means to divert stream flows to the downstream discharge points prior to removal of the existing culvert and maintaining the water diversion around the construction area until the new culvert and natural bottom are in place and functional;
- To accomplish this a pump must convey the base flow of the stream and not increase upstream water levels at the time of roadway closure;
- A dewatering basin is to be constructed on the upstream side of the culvert within the state right-of-way. This basin will receive flow from the brook which is to be totally diverted from the culvert through formation of an earth or synthetic barrier. The intended location is shown on the plan. The basin is to be constructed in accordance to Section 208 of the *Standard Specifications for Road and Bridge Construction 2004 Edition*.
- A sedimentation basin is to be constructed on the downstream side of the culvert to allow for the appropriate settlement of particulate matter from the discharge flow entering via the pump. The basin is to be constructed in accordance to Section 208 of the *Standard Specifications for Road and Bridge Construction 2004 Edition*.
- Pump discharge hose is to be placed across Woodville Road and should be of material to allow for the passage of vehicular traffic over it.

MATERIALS:

Materials shall conform to the Contract Documents and the Rhode Island Standard Details.

CONSTRUCTION METHODS:

Construction methods shall conform to the Contract Documents and the Rhode Island Standard Details.

The Contractor shall perform all work in conformance with the property access and temporary

use requirements as described elsewhere in these Contract Documents.

The contractor will submit shop drawing package consisting of the following:

- Pump size and capacity
- Dewatering and sedimentation basin sketches showing dimensions and volume
- Location and sizes of intake and discharge hoses.

METHOD OF MEASUREMENT:

This item will not be measured for payment.

BASIS OF PAYMENT:

The accepted quantity of Item 208.9901 "*Divert Base Level Stream Flow of Tomaquag Brook*" will be paid for at the respective contract "Lump Sum" price as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools and equipment, and all other incidentals required to complete the work as described herein and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

CODE 401.9901 PAVEMENT, EXCAVATION, STRIPING AND TRAFFIC CONTROL

DESCRIPTION:

The item shall consist of all work necessary to remove and dispose of flexible pavement, placement of new asphalt pavement and placement of striping and traffic control devices as detailed throughout the contract documents and will include but not limited to the following tasks.

- Removing and disposing of flexible pavement;
- Excavation of existing granular base course to subbase grade;
- Grading of Subbase Course
- Placement of 12 inches of gravel borrow base course material;
- Trimming and fine grading of roadway granular base and shoulder area;
- Placement of 4 inches of plantable soil and seed;
- Compaction in accordance with RI Standard Specifications;
- Placement of 5 inches of Class 12.5 HMA in 2, 2 ½ inch lifts per attachment provided in Appendix A;
- Placement of final pavement markings as delineated on the plans;
- Placement and maintenance of traffic control signage, variable message boards, etc. necessary to facilitate the required detour per TMP.
- Placement of traffic control necessary to maintain alternating traffic upon installation of culvert. This includes all temporary signing and striping as shown on the project plans.
- Installation of biodegradable, semi-permanent erosion control matting with effective life of not less than 10 months on all exposed soils.

MATERIALS:

Materials shall conform to the Contract Documents and the Rhode Island Standard Details. Please refer to Appendix A for material and plant specification for the Class 12.5 HMA.

CONSTRUCTION METHODS:

Construction methods shall conform to the Contract Documents and the Rhode Island Standard Details. For Pavement see Appendix A:

METHOD OF MEASUREMENT:

This item shall be measured as a Lump Sum, inclusive of all work and materials.

BASIS OF PAYMENT:

The accepted quantity of Item 401.9901 "*Pavement, Excavation, Striping and Traffic Control*" will be paid for at the respective contract "Lump Sum" price as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools and equipment, and all other incidentals required to complete the work as described herein and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

CODE 701.9901 REMOVE AND DISPOSE CULVERT AND INSTALL NEW CULVERT

DESCRIPTION:

This item shall consist of all work necessary to successfully remove the existing culvert and install the new precast concrete culvert, headwalls and wing walls as detailed throughout the Contract Documents. The work shall include, but not be limited to the following tasks:

- Fabricating a 5' x 5' precast box culvert supplied by CSI Concrete Systems of Hudson, NH, Oldcastle Precast of Rehoboth, MA, or approved equal.
- Careful removal, loading, hauling and unloading granite culvert capstones at state stockpile area.
- Design and furnish the precast headwall and wing walls;
- Removal and disposal of concrete slab, stone side walls of the existing culvert;
- Remove and stockpile granite slabs at East Providence Maintenance Facility;
- Clear and grub at entrance and outlet to culvert to Limits of Disturbance (LOD);
- Structural excavation and removal of all stones and culvert debris and prepping of area to excavate to the appropriate subgrade;
- Temporary Earth Support
- Place crushed stone under culvert and wing walls and set to specified grade;
- Setting and placement of the 5'x5' precast culvert, headwall and wing wall sections;
- Placing a 2-foot natural earth bottom within the culvert to the appropriate grade and matching existing upstream and downstream stream grades and materials;
- Set finish grade of stream bed at culvert entrance and outlet;
- Place R-3 rip-rap at culvert inlet and outlet;
- Compact natural bottom placed within the culvert;
- Furnish, remove and maintain all erosion control during construction;
- Backfill around new culvert and wing walls;
- Compact to roadway grade;
- Supporting and stabilizing embankments, resetting existing boulders on stream embankments, excavations, etc.

MATERIALS:

Materials shall conform to the Contract Documents and the Rhode Island Standard Details. Any hardware necessary for connecting precast elements shall be epoxy coated after fabrication in accordance with ASTM A153.

FABRICATION:

The precast manufacturer shall design all precast elements in accordance with the AASHTO LRFD Bridge Design Specifications, 5th Edition, 2010, able to withstand HL93 wheel loading including all interim revisions to date and the Rhode Island LRFD Bridge Design Manual, 2007 Edition including all revisions to date and criteria shown on the plans. The design shall be stamped by a Professional Engineer registered in the State of Rhode Island. Shop drawings and design calculations shall be submitted to the Engineer for review and acceptance within 7 days of receipt of the apparent low bidder letter. The shop drawings shall show concrete dimensions, reinforcing sizes and spacings, lifting devices and locations, seals between culvert sections, descriptions of construction sequence and procedures.

CONSTRUCTION METHODS:

Construction methods and procedures shall conform to the Contract Documents and the Rhode Island Standard Specifications and Details.

METHOD OF MEASUREMENT:

Type II emergency clapper culvert replacement shall be measured as a Lump Sum, inclusive of all work and materials.

BASIS OF PAYMENT:

The accepted quantity of Item 701.9901 "*Remove and Dispose Culvert and Install New Culvert*" will be paid for at the respective contract "Lump Sum" price as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools and equipment, and all other incidentals not paid for under other items required to complete the work as described herein and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

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Distribution of Quantities

Project Name - Type II Emergency Replacement of Woodville Road Clapper

Estimate Name - Addendum to Woodville Road Culvert Repair - 0165Z

R.I. Contract No. - 2014-CH-041

FAP Nos: STP-0235(005)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
001	208.9901	DIVERT BASE LEVEL STREAM FLOW OF TOMAQUAG BROOK WOODVILLE ROAD DEWATERING OPERATIONS	LS	1.00	0006	01
Item 208.9901 Total:				1.00		
002	401.9901	PAVEMENT, EXCAVATION, STRIPING AND TRAFFIC CONTROL WOODVILLE ROAD CULVERT REPLACEMENT	LS	1.00	0006	01
Item 401.9901 Total:				1.00		
003	701.9901	REMOVE AND DISPOSE CULVERT AND INSTALL NEW CULVERT WOODVILLE ROAD CULVERT REPLACEMENT	LS	1.00	0006	01
Item 701.9901 Total:				1.00		
004	901.9901	GUARDRAIL REMOVAL AND REPLACEMENT WOODVILLE ROAD CULVERT REPLACEMENT	LS	1.00	0006	01
Item 901.9901 Total:				1.00		