

June 12, 2015

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7549621

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2015-CB-029

FEDERAL-AID PROJECT NO. FAP Nos: BRO-0475(001), NHS-0476(001)

**E. Shore Expway Bridge 475 & McCormick Quarry Bridge 476**

Moorland Avenue to Station 60+70±

CITY/TOWN OF East Providence

COUNTY OF PROVIDENCE

**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. Clarification**

1. Pre-Bid Sign-In-Sheet

A copy of the Pre-Bid Sign-In-Sheet is attached to this Addendum No. 1

2. Item Code 911.99

Concrete for precast concrete modular block facing units shall be Class HP (AE) 3/4" concrete with a minimum compressive strength of 5,000 PSI in accordance with the Contract Special Provisions.

3. Page CS-5 Section 8 FABRICATION AND DELIVERY

A Contract Bond is not required for the precast concrete modular block facing units.

**B. Proposal**

1. Pages P-24 and P-25

Remove Pages P-24 and P-25 in their entirety and replace them with revised Pages P-24 (R-1) and P-25 (R-1) attached to this Addendum No. 1. The Substantial Completion Date has been revised.

**C. Contract Documents**

1. Page CS-3

Remove Page CS-3 in its entirety and replace it with revised Page CS-3 (R-1) attached to this Addendum No. 1. The Substantial Completion Date has been revised.

2. Page CS-10

Remove Page CS-10 in its entirety and replace it with revised Page CS-10 (R-1) attached to this Addendum No. 1. The Self-Propelled Modular Transporter (SPMT) has been added to Section 13.

3. Page CS-11

Remove Page CS-11 in its entirety and replace it with revised Page CS-11 (R-1) attached to this Addendum No. 1. Paragraph 1 has been revised.

4. Page CS-13

Remove Page CS-13 in its entirety and replace it with revised Page CS-13 (R-1) attached to this Addendum No. 1. Section "S" of Section 15 SEQUENCE OF CONSTRUCTION and paragraph 2 of Section 16 SITE ACCESS have been revised.

5. Page JS-7

Remove Page JS-7 in its entirety and replace it with revised Page JS-7 (R-1) attached to this Addendum No. 1. Code 108.1000 has been revised.

6. Page JS-89

Remove Page JS-89 in its entirety and replace it with revised Page JS-89 (R-1) attached to this Addendum No. 1. PREASSEMBLY section has been revised.

7. Page JS-90

Remove Page JS-90 in its entirety and replace it with revised Page JS-90 (R-1) attached to this Addendum No. 1. Part "a" of HANDLING, STORING, TRANSPORTATION section has been revised.

**D. Contract Dates**

1. Substantial Completion Date

Substantial Completion Date has been updated to "05/20/2017".

**E. Distribution of Quantities**

1. Index Pages 1 through 4

Remove Index Pages 1 through 4 in their entirety and replace them with revised Index Pages 1 (R-1) through 4 (R-1) attached to this Addendum No. 1. The Table of Contents has been revised.

2. Pages 18 and 19

Remove Pages 18 and 19 in their entirety and replace them with revised Pages 18 (R-1) and 19 (R-1) attached to this Addendum No. 1. The quantity for Item Code 401.2100 and Item Code 403.0300 have been revised.

3. Page 47

Remove Page 47 in its entirety and replace it with revised Page 47 (R-1) attached to this Addendum No. 1. The quantity for Item Code 932.0100 has been revised.

4. Page 49

Remove Page 49 in its entirety and replace it with revised Page 49 (R-1) attached to this Addendum No. 1. The quantity for Item Code 935.0400 has been revised.

5. Page 58

Remove Page 58 in its entirety and replace it with revised Page 58 (R-1) attached to this Addendum No. 1. Item Code 108.9901 and Item Code 108.9902 have been added.

**F. Other Item Changes**

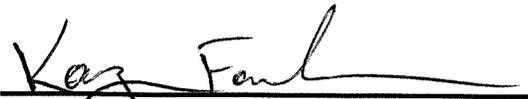
1. 928.0800 - TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD

Lowest Acceptable Bid Price Updated To "\$625.00".



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Federal Highway Administration  
Division Administrator



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RI Department of Transportation  
Chief Engineer



State of Rhode Island  
 Division of Purchases  
 One Capitol Hill  
 Providence, RI 02908

**"NON-MANDATORY" PRE-BID CONFERENCE SIGN IN SHEET**

BID NUMBER: 7549821  
 BID TITLE: 2015-CB-029 MCCORMICK QUARRY BRIDGE  
 PRE-BID DATE AND TIME: 6/9/15 9:00 A.M.

Purchasing Representative:  
 LISA HILL *LH*

Pre-Bid Start Time: 9:00 a.m.

Pre-Bid End Time: 4:20 a.m.

COMPANY NAME	COMPANY REPRESENTATIVE	ADDRESS	CONTACT EMAIL	CONTACT PHONE NUMBER	CONTACT FAX NUMBER	PROPOSAL SUBMITTED FOR (For Purchasing Usa Only)
1 D'Ambrusa	Lee Taylor	800 Jefferson Blvd	ltaylor@j- blvd.com	737-1300	732-4625	
2 RIDOT	GARY GARZONE	2 Capital Hill	ggarzone@dot.ri.gov	222-3260		
3 John Pechio Corp	Bob Pion	20 Leitch Industrial Way Providence, RI	Mike Szymanski @ John Pechio Corp RI	949-5585	949-5510	
4 CARDI Corp	Anthony Mesina	400 Lincoln Ave Warwick, RI	AMES17@gmail.com	739-8300	732-0008	
5 Manufact Brokers	Jason LaForge	24 Mathis St Cumberland	slalorge@manbrok.com	333-2550	333-2551	
6 Mountaint Brothers	Pete - Calcasini	24 Mountin St	pcalcasini@mountaint.com	833-2550	333-2551	
7 RIDOT	BRAD OWENS	2 Capital Hill	brad.owens@dot.ri.gov	222-2053-4084		
8 RIDOT	David Fish	2 Capital Hill	david.fish@dot.ri.gov	222-2053 X4022		
9 Commonwealth	Colin K. Vargas	400 Smith St	colin@commonwealth-ri.com	273-6600 X-106		
10 C E C	Witold Kwockowski	" " "	wkwockowski@commonwealth-ri.com	273-6600 X-112		
11 C E C	Nikone Souparath	" " "	NSOUPHARATH@COMMONWEALTH-ENG.COM			
12 RIDOT	Geoffrey V. Chahine	2 Capital Hill	geoffrey.chahine@dot.ri.gov	222-2053 X4069		
13 RIDOT	Anthony Tompa	2 Capital Hill	anthony.tompa@dot.ri.gov	265-4500		
14						
15						
16						

Revised: 2/19/2002

Total or gross sum of bid for Rhode Island Contract Number: 2015-CB-029

Federal-Aid Project Number(s): BRO-0475(001), NHS-0476(001)

**WRITTEN IN WORDS:**

The undersigned bidder declares that this Proposal is made without connection with any other person or persons making proposals for the same work, and is in all respects fair and without collusion or fraud. The undersigned bidder submits herewith, a proposal guarantee in the form of a bid bond in favor of the State of Rhode Island in the amount of 5% of the total or gross sum of the bid and agrees and consents that the proposal guarantee shall be forfeited to the State as liquidated damages if the required contract agreement and contract bond are not executed within ten(10) days of the notice of award. All surety companies must be listed with The Department of the Treasury, Fiscal Services, Circular 570, (Latest Revision published by The Federal Register). The State reserves the right to retain the surety of all bidders until the successful bidder enters into the Contract or until such time as the award or cancellation of the Contract is announced at which point Sureties will be returned to all bidders by the State of Rhode Island, Office of Purchases. The undersigned bidder further agrees, if awarded the contract on this proposal, to begin work within ten (10) calendar days after the date of execution of the contract unless otherwise specified under special provisions or permitted by the Engineer, and further agrees to complete the work on or before the dates outlined in the Contract Documents.

**COMPLETION DATE(S)**

<b>DESCRIPTION</b>	<b>DATE</b>
Substantial Completion Date	May 20, 2017
Bid-Opening Date	June 24, 2015
Pre-Bid Date	June 9, 2015
Advertise Date	May 29, 2015

**THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING:**

<b>ADDENDA</b>	<b>DATE POSTED</b>	<b>DOCUMENT(S)</b>	<b>PAGE</b>
NO.1		1. Status Certification for: Debarment, Eligibility, Indictments, Convictions or Civil Judgements	1
		2. Anti-Collusion Certificate	2
		4. DBE Affirmative Action Certification	3 - 9
		3. Disclosure of Lobbying Activities	

**Total or gross sum of bid for Rhode Island Contract Number: 2015-CB-029**

**Federal-Aid Project Number(s): BRO-0475(001), NHS-0476(001)**

Whoever, being an officer, agent, or employee of the United States, or of any State, or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the costs thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction of any highway or related project submitted for approval to the Secretary of Transportation; or Whoever, knowingly makes any false statement, false representation, false report, or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or Whoever, knowingly makes any false statement or false representation as to a material fact in any statement, certificate, or report submitted pursuant to the provisions of the Federal-aid Road Act approved July 11, 1916 (39 Stat. 355), as amended and supplemented, Shall be fined not more than \$10,000 or imprisoned not more than five years, or both. By signing here the signee agrees that the disk submitted is the same as the paper submitted and that any discrepancies may result in disqualification of the bid.

BEING EITHER A (INDIVIDUAL, PARTNERSHIP,  
(OR CORPORATION INCORPORATED)  
(UNDER THE LAWS OF ANY STATE)  
(IN THE UNITED STATES OF AMERICA)

\_\_\_\_\_  
**Contractor**

COMPOSED OF OFFICERS, PARTNERS  
OR OWNER, AS FOLLOWS.

\_\_\_\_\_  
**President**

\_\_\_\_\_  
**Vice-President**

\_\_\_\_\_  
**Secretary**

\_\_\_\_\_  
**Treasurer**

**Address**  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATION SUMMARY: I hereby certify that I have read all of the above requirements and understand that it affects the acceptability of my bid(s).**

\_\_\_\_\_  
Name of Signatore - Title

\_\_\_\_\_  
Date

### 3. CONTRACT COMPLETION DATES AND TIMES

The following interim and substantial completion dates and times have been established for the assessment of liquidated damages and incentives/disincentives. Refer to the referenced special provisions and "Sequence of Construction" of these Contract Specific pages for more information.

**Associated with Liquidated damages – see Special Provision Section 108.1000:**

	<u>Completion Date</u>
Substantial Completion	May 20, 2017

**Associated with Incentives and Disincentives – see Special Provision Section 108.9901 and 9902:**

	<u>Completion Times</u>
ICT1 and ICT2	5 a.m. on the Tuesday ending the associated 80 hour ABC Period

### 4. LUMP SUM BID ITEMS

The Contractor shall note that numerous bridge items on this project are paid for on a lump sum basis or are included for payment under other lump sum item(s). In general these include but are not limited to:

- The construction of the new East Shore Expressway Bridge No. 475 and McCormick Quarry Bridge No. 476 in its entirety.
- The removal and disposal of the existing East Shore Expressway Bridge No. 475 and McCormick Quarry Bridge No. 476.
- Bridge Construction utilizing Self-Propelled Modular Transporters (SPMT)
- Temporary earth retaining systems and associated dewatering.

As provided in Special Provisions Section 109.07 "Partial Payment of Lumps Sum Items", within ten (10) calendar days after the date of the Notice of Award, the Contractor shall submit to the Engineer for approval the breakdown of each lump sum bid item.

### 5. UNIT BID ITEM AND LUMP SUM BID ITEM PAYMENTS

For requirements and work described in the Contract Documents but not expressly identified to be measured separately for payment, the costs thereof shall be included in the contract bid prices of the items of work to which they pertain as listed in the Proposal.

utility's facility.

The Contractor shall provide all necessary temporary traffic control for utility work to be performed.

The Contractor shall notify the Engineer a minimum of 4 weeks prior to any temporary utility shut-off. The Engineer will be responsible to notify the local officials and utility companies in order for them to inform the affected residents.

#### **11. ELECTRICAL FACILITIES**

The lighting services are shown in the Contract Drawings.

#### **12. COORDINATION WITH OTHER CONTRACTORS**

Refer to Section 105.07 of the RI Standard Specifications.

#### **13. SPECIALTY ITEMS**

The following items are hereby designated as "Specialty Items":

- a. Electrical
- b. Landscaping
- c. Structural Steel
- d. Directional, Regulatory and Warning Signs (other than Temporary Construction Signage)
- e. Guardrail
- f. Self-Propelled Modular Transporter (SPMT)
- g. Pavement Markings

#### **14. WINTER SHUTDOWN**

The winter shutdown, as described in Section 101.80 of the Rhode Island Standard Specifications has been modified for this contract as follows:

There shall be no winter shut-down for this project.

#### **15. SEQUENCE OF CONSTRUCTION**

The Contractor is required to build the new superstructure systems of both bridges within their Bridge Staging Areas (BSA's), and subsequently to transport each superstructure system to its final location during a single 80 hour Accelerated Bridge Construction (ABC) lane closure period per bridge. Each "ABC Period" shall occur on a weekend during the hours associated with the lane closure restrictions as specified in the TMP, and the two ABC Periods shall not occur on successive weekends. The Contractor is referred to the contract drawings for Suggested Work Prior to and During

the ABC Periods. The intent is that the Contractor performs as much preparatory work tasks prior to the ABC Periods as allowed by the TMP and other Contract Documents. Ultimately, the Contractor shall show all work operations and associated sequences in his approved schedule.

Monetary Incentives and Disincentives will be applied to the completion of each 80 hour ABC period according to Special Provision 108.9901 and 108.9902.

Approval of the work sequence and time schedule is required before the start of any work associated with this contract. In addition to above, the proposed construction sequence and time schedule shall consider the following:

- A. The contract completion dates as set forth in the "Contract Completion Dates" paragraph.
- B. The winter shutdown as set forth in the "Winter Shutdown" paragraph.
- C. The access requirements and restrictions as set forth in the "Site Access" paragraph.
- D. The work sequence or time schedule shall fully address the phasing of all traffic control.
- E. The required utility relocations and construction of new facilities by utility companies include:
  - i. The temporary utility pole installation and relocation of overhead utility lines on U.S. Route 6 (Warren Avenue) Sta. 47+87±, Rt. to Sta. 61+25±, Lt. in advance of the construction of the new East Shore Expressway Bridge No. 475 and McCormick Quarry Bridge No. 476.
  - ii. The permanent utility pole installation and relocation of overhead utility lines after the completion of the new bridges and moved to the final locations.
- F. The Contractor shall perform the proposed work during day and/or night as specified in this General Provision and in the Transportation Management Plan (TMP). Any deviation from the requirements stated herein or detailed in the contract drawings, as well as any deviation from the approved construction work sequence and time schedule, shall be submitted to the Engineer in writing for approval.
- G. All requirements set forth in the various permits and approvals. Any materials and work associated with measures required within the permits shall be considered incidental to the construction and included with the cost for the associated bid items. See these CS pages for a list of the permits and the Appendices for copies of the permits.
- H. The RIDOT Bridge Maintenance Facility adjacent to the McCormick Quarry Bridge (within the limits shown on the Contract Documents) is available to the Contractor for the Bridge Staging Area only between May 15 and October 15.
- I. The construction schedule shall accommodate the bridge construction phasing specified In the Contract Documents.

facility.

- Q. All work shall be performed in such a manner so as to minimize impact to vegetation.
- R. At least one side of the existing sidewalk along U.S. Route 6 (Warren Avenue) shall remain open and accessible to all pedestrians at all times unless otherwise directed by the Engineer. However, both existing sidewalks along U.S. Route 6 (Warren Avenue) will be closed during the Bridge No. 475 and Bridge No. 476 80 hour weekend road closure.
- S. The Contractor shall notify the Resident Engineer 48 hours prior to the scheduled 80 hour weekend road closure. The Resident Engineer will be responsible for coordinating the public and private notifications to the following groups and/or agencies:
  - a. Rhode Island Public Transit Authority
  - b. East Providence Police Department
  - c. East Providence Fire Department
  - d. East Providence School Department
  - e. Rhode Island Hospital
  - f. Town of Seekonk Police Department
  - g. Town of Seekonk Fire Department

## 16. SITE ACCESS

The Contractor shall note that access to the site(s) is limited. The Contractor shall make a thorough site visit to assess and evaluate size and type of equipment and/or personnel necessary for the construction of this project prior to submitting a bid. There will be no additional compensation for costs that may be incurred as a result of any operation necessitated to provide for said access other than those shown in the Contract Documents.

The Contractor shall be responsible for obtaining any and all additional permits and/or permit modifications as necessary to access any portion of the construction site utilizing their selected means. This includes the preparation of the requested quantity of all required submittal materials as well as professional certification of any of these materials. Where application may be made without RIDOT acting as applicant, the Contractor shall provide copies to the Engineer and the RIDOT Natural Resources Unit (the NRU) of all materials submitted in support of the permit application as well as copies of all permits or other decisions issued in response to the application. If any permit includes a stamped plan or plans, the original stamped plans shall be provided to the Engineer prior to conducting the approved work and will become the property of RIDOT. Any such plans will be kept in the RIDOT Field Office for the duration of the project, and will be forwarded to the NRU upon completion of the project. Where RIDOT is to act as applicant on the Contractor's behalf, the Engineer will coordinate the required submittals with the NRU. Except for the designated available construction access and staging

**CODE 108.1000**

**PROSECUTION AND PROGRESS**

In accordance with Section 108.08, Failure to Complete on Time, Para. a., Phased Completion, Interim Completion and Substantial Completion the following defines the Interim and Substantial Completion Dates and Associated Liquidated Damages:

Interim Completion: October 30, 2016

All work shall be completed, as defined by Section 101.71, with the exception of work related to and including the removal of the access road and landscaping.

Liquidated Damages: \$2,650 per calendar day.

Substantial Completion: May 20, 2017

All Contract work shall be completed, as defined by Section 101.71.

Liquidated Damages: \$550 per calendar day.

bracing can be released. Provide lab results performed by an approved testing laboratory

- Specifications and requirements for the grout including required strength gain to develop the specified minimum yield strength of the connected reinforcing bar.

**FABRICATION:** The fabrication, inspection, testing and installation of the precast components shall be in accordance with Section 809 of the Rhode Island Standard Specifications for Road and Bridge Construction and as supplemented or modified herein.

- a. Precast components shall be fabricated to the tolerances shown in the Contract Drawings. Geometry control and erection tolerances shall be measured from a common reference point or line as applicable.
- b. The precast components shall be finished as indicated in the Contract Drawings. Where a finish has not been specified, the concrete surfaces shall be finished in accordance with Section 809.03.7 of the Rhode Island Standard Specifications for Road and Bridge Construction.

All surfaces of shear keys and joints between precast components shall be sandblasted and cleaned prior to shipping, and if required, prior to installation.

- c. The minimum compressive strength of the concrete prior to removal of the forms shall be 3,500 psi.

**PREASSEMBLY:** The Contractor shall preassemble the proposed precast components to verify that the various components and prefabricated elements will fit together properly in the final structure. The assembly shall include the precast abutment footings and caps; the wall footings and stem (dry fit with reinforcing and brought to proper elevation with shims); and the approach slab units. The preassembly site shall be provided by the Contractor and shall be located within a 50-mile radius of the Department's base of operations. For the preassembly, all components shall be set to accurately emulate their position in the completed structure in their position relative to each other in the longitudinal, transverse and vertical direction. All aspects of the preassembly shall be considered construction of the bridge and all requirements regarding inspection and approval of the work that applies to in situ construction shall apply to the preassembly. Approval of the completed Preassembly by the Engineer shall be required prior to commencing with any disassembly of the various components of the preassembled structure.

**HANDLING, STORING, TRANSPORTATION:** The handling, storing, and transportation of the precast components shall be in accordance with the applicable sections of Section 809 of the Rhode Island Standard Specifications for Road and Bridge Construction and as supplemented or modified herein.

- a. Precast components shall not be transported from the casting facility until the minimum 28 day compressive strength has been achieved.

### **INSTALLATION:**

The general procedure for installation of the precast components shall be as follows:

- a. All adjacent precast components shall be dry fit prior to final assembly (refer to PREASSEMBLY Section).
- b. Working points, working lines, and benchmark elevations shall be established before placement of components.
- c. The condition of the bonding surface shall be inspected just prior to installation. Prior to connecting the components all dust, rust, and debris shall be removed in order to provide the satisfactory bonding required between the protruding reinforcing bars component and the grouted couplers.
- d. All components shall be lifted, placed and erected in the sequence and according to the methods outlined in the shop drawings. The lifting devices used shall be per the approved shop drawings.
- e. The height of each component shall be adjusted by means of leveling devices or shims.
- f. All debris and foreign material shall be removed and cleaned from the joints before the grout application.
- g. The length of rebar anchor dowels shall be checked to make sure they meet the minimum coupler embedment specified in the manufacturer's manual.
- h. The elevations and extensions of the dowels shall be verified that they are within specified tolerances.
- i. All components shall be set in their proper location and verified that they are in the correct horizontal and vertical alignment within the specified tolerances.
- j. All surfaces of shear keys and joints between precast components shall be maintained in a Saturate Surface Dry (SSD) condition for a minimum of one (1) hour prior to connecting the components.
- k. The shim thickness between the precast components shall be monitored and maintained to ensure that the reinforcing extensions are within the manufacturers recommended tolerance.
- l. All temporary bracing shall be installed as detailed in the approved shop drawings.
- m. The minimum grout and sleeve temperature shall be monitored and maintained as recommended by the manufacturer. If required, the Contractor shall provide the necessary environmental containment in order to maintain the recommended minimum temperature of the grouted splice couplers until the temporary bracing is removed.

**Table of Contents - Distribution of Quantities**

Project Name - E. Shore Expway Bridge 475 &amp; McCormick Quarry Bridge 476

Estimate Name - Addendum No. 1

R.I. Contract No. - 2015-CB-029

FAP Nos: BRO-0475(001), NHS-0476(001)

<u>ItemCode</u>	<u>Description</u>	<u>Page</u>
201.0302	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (24'' OR PLUS)	1
201.0321	CLEARING AND GRUBBING	1
201.0401	REMOVE AND DISPOSE GRANITE CURB	1
201.0402	REMOVE AND DISPOSE CONCRETE CURB	1
201.0403	REMOVE AND DISPOSE SIDEWALKS	1
201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	2
201.0412	REMOVE AND DISPOSE MANHOLE	3
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	3
201.0415	REMOVE AND DISPOSE GUARDRAIL AND POST ALL TYPES	3
201.0416	REMOVE AND DISPOSE LOT CURB (ALL SIZES)	4
201.0419	REMOVE AND DISPOSE FENCE	4
201.0422	REMOVE AND DISPOSE DROP INLET	4
201.0423	REMOVE AND DISPOSE HANDHOLE	4
201.0428	REMOVE AND DISPOSE FRAME AND GRATE OR FRAME AND COVER	5
201.0434	REMOVE AND DISPOSE MONITORING/OBSERVATION WELL	5
201.0450	REMOVE AND STOCKPILE ON SITE GRANITE CURB	5
201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	6
201.0617	REMOVE AND DISPOSE CONDUIT - ALL SIZES	6
201.9901	REMOVE AND RESET LANDSCAPE TIMBER	6
201.9902	REMOVE AND STOCKPILE EXISTING LIGHT STANDARD AND LUMINAIRE	6
201.9903	REMOVE AND STOCKPILE EXISTING SERVICE PEDESTAL AND DISPOSE PEDESTAL FOUNDATION	7
202.0100	EARTH EXCAVATION	7
202.0700	COMMON BORROW	8
203.0100	STRUCTURAL EXCAVATION EARTH	8
203.0220	STRUCTURAL EXCAVATION ROCK MECHANICAL	8
204.0100	TRIMMING AND FINE GRADING	9
206.0301	COMPOST FILTER SOCK	10
209.9901	SEDIMENTATION CONTROL FOR CATCH BASINS	11
209.9902	SEDIMENTATION CONTROL FOR CURB INLET STRUCTURES	12
211.0100	CONSTRUCTION ACCESSES STANDARD 9.9.0	12
212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	12
213.0100	PLACEMENT OF MILLINGS BENEATH GUARDRAIL	13
301.9901	PEA STONE	13
301.9902	GRS REINFORCED BACKFILL	13
301.9903	RSF BACKFILL	14
302.0100	GRAVEL BORROW SUBBASE COURSE	14
401.1000	CLASS 19.0 HMA	15
401.2100	<b>MODIFIED CLASS 12.5 HMA</b>	16
403.0300	<b>ASPHALT EMULSION TACK COAT</b>	18
410.1000	TEMPORARY PATCHING MATERIAL/TRENCHES	19
601.0300	CLASS A PORTLAND CEMENT CONCRETE	20
701.0412	REINFORCED CONCRETE PIPE M 170 CLASS III 12 INCH	20
701.0415	REINFORCED CONCRETE PIPE M 170 CLASS III 15 INCH	21
701.0418	REINFORCED CONCRETE PIPE M 170 CLASS III 18 INCH	21
701.0512	REINFORCED CONCRETE PIPE M 170 CLASS IV 12 INCH	21
701.0612	REINFORCED CONCRETE PIPE M 170 CLASS V 12 INCH	21
701.0615	REINFORCED CONCRETE PIPE M 170 CLASS V 15 INCH	21
701.7718	18 INCH REINFORCED CONCRETE PIPE END SECTION STANDARD 2.3.0	22
702.0513	FRAME AND GRATE STANDARD 6.3.1	22
702.0517	FRAME AND GRATE, STANDARD 6.3.2	22
702.0521	FRAME AND COVER STANDARD 6.2.0	22
702.0522	FRAME AND COVER STANDARD 6.2.1	23

## Table of Contents - Distribution of Quantities

Project Name - E. Shore Expway Bridge 475 & McCormick Quarry Bridge 476  
 Estimate Name - Addendum No. 1  
 R.I. Contract No. - 2015-CB-029  
 FAP Nos: BRO-0475(001), NHS-0476(001)

ItemCode	Description	Page
702.0530	PRECAST CONCRETE INLET STONE 5' STANDARD 7.1.5	23
702.0533	PRECAST CONCRETE APRON STONE 38' STANDARD 7.1.8	23
702.0630	PRECAST MANHOLE 4' DIAMETER STANDARD 4.2.0	23
702.0840	ALTERNATE TOP COVER ROUND PRECAST MANHOLES AND CATCH BASINS STANDARD 4.7.2	24
702.9901	MODIFIED PRECAST 4' DIAMETER CATCH BASIN WITH 4' SUMP (MODIFIED STANDARD 4.4.0)	24
702.9911	DRY SWALE WATER SYSTEM	24
704.0100	RECONSTRUCT CATCH BASIN/CORBEL CONES	25
704.0200	RECONSTRUCT MANHOLE/CORBEL CONES	25
704.0300	RECONSTRUCT CATCH BASIN/VERTICAL WALLS	25
704.0400	RECONSTRUCT MANHOLE/VERTICAL WALLS	25
706.9000	PLUG AND CAP PIPE ALL SIZES	25
707.0900	ADJUST MANHOLES TO GRADE	25
707.1100	ADJUST CATCH BASINS	26
707.2000	ADJUST FRAME AND GRATE TO GRADE	26
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	26
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	27
708.9042	CLEANING MANHOLES ALL TYPES AND SIZES	28
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803.9916	REMOVE & DISPOSE EXISTING EAST SHORE EXPRESSWAY BRIDGE NO. 475	29
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901.0101	GUARDRAIL STEEL BEAM SINGLE FACE EARTH AND ASPHALT	30
901.0151	TERMINAL END SECTION SINGLE FACE STANDARD 34.3.2	30
901.0190	GUARDRAIL STEEL BEAM ANCHORAGE APPROACH SECTION STANDARDS 34.3.1 AND 34.3.3	30
901.9901	THRIE BEAM CONNECTION TO END POST - APPROACH END SECTION	31
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906.0103	GRANITE TRANSITION CURB VERTICAL FACE TO SLOPED FACE STANDARD 7.4.2	33
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906.0210	CEMENT CONCRETE CURB PRECAST STRAIGHT STANDARD 7.1.0	33
906.0211	CEMENT CONCRETE CURB PRECAST CIRCULAR STANDARD 7.1.0	34
906.0221	6' PRECAST CONCRETE TRANSITION CURB STANDARD 7.1.2	34
906.0250	PRECAST CONCRETE WHEELCHAIR RAMP CURB STANDARDS 7.1.3, 43.3.0 AND 43.3.1	34
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906.0562	CEMENT CONCRETE EDGING 24 INCH LOT CURB STANDARD 7.2.3	35
906.0602	BITUMINOUS BERM STANDARD 7.5.1	35
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### Distribution of Quantities

Project Name - E. Shore Expwy Bridge 475 & McCormick Quarry Bridge 476

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R.I. Contract No. - 2015-CB-029

FAP Nos: BRO-0475(001), NHS-0476(001)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
038	401.2100 Cont.	57+00 TO 57+40 RT (CBSET)		0.97	0004	01
		57+00 TO 60+70 LT (CBSET)		7.97	0004	01
		57+70 TO 60+70 RT (CBSET)		6.79	0004	01
		US ROUTE 6 WARREN AVENUE (PVMTP)				
		48+40 TO 50+50 (DRAINAGE TRENCH) (PVMTP)		19.01	0004	01
<b>Item 401.2100 Total:</b>				<b>2,468.00</b>		
039	403.0300	ASPHALT EMULSION TACK COAT	SY			
		ROUNDING				
		PROJECTWIDE		0.51	0004	01
		ROUTE 114 NB EAST SHORE EXPWY (CBSET)				
		27+65 TO 29+50 LT (CBSET)		30.83	0004	01
		27+65 TO 29+50 RT (CBSET)		30.83	0004	01
		29+50 TO 129+20 RT (CBSET)		9.17	0004	01
		29+50 TO 129+57 LT (CBSET)		15.33	0004	01
		ROUTE 114 NB EAST SHORE EXPWY (PVMTP)				
		131+16 TO 134+00 LT&RT (PVMTP)		1,191.00	0004	01
		24+75 TO 27+36 LT/RT (PVMTP)		1,350.00	0004	01
		27+36 TO 28+75 LT&RT (PVMTP)		560.00	0004	01
		28+75 TO 129+37 LT&RT (PVMTP)		622.00	0004	01
		ROUTE 114 NB EAST SHORE EXPWY (PVMTP)				
		129+37 TO 129+70 LT&RT (PVMTP)		236.00	0004	01
		130+90 TO 131+16 LT&RT (PVMTP)		214.00	0004	01
		ROUTE 114 SB EAST SHORE EXPWY (CBSET)				
		112+00 TO 116+85 RT (CBSET)		80.83	0004	01

## Distribution of Quantities

Project Name - E. Shore Expwy Bridge 475 &amp; McCormick Quarry Bridge 476

Estimate Name - Addendum No. 1

R.I. Contract No. - 2015-CB-029

FAP Nos: BRO-0475(001), NHS-0476(001)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
039	403.0300 Cont.	112+00 TO 117+65 LT (CBSET)		95.00	0004	01
		ROUTE 114 SB EAST SHORE EXPWY (PVMT1)				
		112+00 TO 116+80 (PVMT1)		2,077.00	0004	01
		120+39 TO 127+50 LT&RT (PVMT1)		3,063.00	0004	01
		ROUTE 114 SB EAST SHORE EXPWY (PVMT1)				
		116+80 TO 118+00 LT&RT (PVMT1)		778.00	0004	01
		199+25 TO 120+39 LT&RT (PVMT1)		726.00	0004	01
		US ROUTE 6 WARREN AVE (PVMT1)				
		46+50 TO 60+70 LT&RT (PVMT1)		7,824.00	0004	01
		US ROUTE 6 WARREN AVENUE (CBSET)				
		46+50 TO 48+00 LT (CBSET)		25.00	0004	01
		47+50 TO 48+00 RT (CBSET)		8.33	0004	01
		48+00 TO 50+55 LT (CBSET)		42.50	0004	01
		48+00 TO 51+30 RT (CBSET)		55.00	0004	01
		57+00 TO 57+40 RT (CBSET)		7.50	0004	01
		57+00 TO 60+70 LT (CBSET)		61.67	0004	01
		57+70 TO 60+70 RT (CBSET)		52.50	0004	01
		US ROUTE 6 WARREN AVENUE (PVMT1)				
		48+40 TO 50+50 (DRAINAGE TRENCH) (PVMT1)		294.00	0004	01
<b>Item 403.0300 Total:</b>				<b>19,666.00</b>		
040	410.1000	TEMPORARY PATCHING MATERIAL/TRENCHES PROJECTWIDE AS REQUIRED	TON			
<b>Item 410.1000 Total:</b>				<b>30.00</b>		

## Distribution of Quantities

Project Name - E. Shore Expway Bridge 475 &amp; McCormick Quarry Bridge 476

Estimate Name - Addendum No. 1

R.I. Contract No. - 2015-CB-029

FAP Nos: BRO-0475(001), NHS-0476(001)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
117	931.0110 Cont.	ROUTE 114 SB EAST SHORE EXPWY (PVMT1)				
		112+00 TO 116+80 (PVMT1)		20.77	0004	01
		120+39 TO 127+50 LT&RT (PVMT1)		30.63	0004	01
		US ROUTE 6 WARREN AVE (PVMT1)				
		46+50 TO 60+70 LT&RT (PVMT1)		78.24	0004	01
		US ROUTE 6 WARREN AVENUE (CBSET)				
		46+50 TO 48+00 LT (CBSET)		0.25	0004	01
		47+50 TO 48+00 RT (CBSET)		0.08	0004	01
		48+00 TO 50+55 LT (CBSET)		0.43	0004	01
		48+00 TO 51+30 RT (CBSET)		0.55	0004	01
		57+00 TO 57+40 RT (CBSET)		0.08	0004	01
		57+00 TO 60+70 LT (CBSET)		0.62	0004	01
		57+70 TO 60+70 RT (CBSET)		0.53	0004	01
<b>Item 931.0110 Total:</b>				<b>175.00</b>		
118	932.0100	CUTTING AND MATCHING ASPHALT	LF			
		ROUTE 114 NB EAST SHORE EXPWY				
		133+50 LT/RT		40.00	0004	01
		24+75 LT/RT		60.00	0004	01
		26+61 LT		20.00	0004	01
		ROUTE 114 SB EAST SHORE EXPWY				
		112+00 LT/RT		40.00	0004	01
		127+50 LT/RT		40.00	0004	01
		US ROUTE 6 WARREN AVE				
		46+50 LT/RT		50.00	0004	01
		50+90 TO 52+05 LT		115.00	0004	01
		57+00 LT/RT		54.00	0004	01
		57+40 TO 57+70 RT		30.00	0004	01
		60+70 LT/RT		40.00	0004	01
<b>Item 932.0100 Total:</b>				<b>489.00</b>		

## Distribution of Quantities

Project Name - E. Shore Expwy Bridge 475 &amp; McCormick Quarry Bridge 476

Estimate Name - Addendum No. 1

R.I. Contract No. - 2015-CB-029

FAP Nos: BRO-0475(001), NHS-0476(001)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
121	932.0230	FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY	LF			
		US ROUTE 6 WARREN AVE				
		46+50 LT		6.00	0004	01
		47+50 RT		6.00	0004	01
		51+42 RT		6.00	0004	01
		57+00 LT		6.00	0004	01
		57+00 RT		6.00	0004	01
		60+70 LT		6.00	0004	01
		60+70 RT		6.00	0004	01
Item 932.0230 Total:				42.00		
122	935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	SY			
		ROUTE 114 NB EAST SHORE EXPWY (PVMT1)				
		131+16 TO 134+00 LT&RT (PVMT1)		1,191.00	0004	01
		24+75 TO 27+36 LT/RT (PVMT1)		1,350.00	0004	01
		27+36 TO 28+75 LT&RT (PVMT1)		560.00	0004	01
		28+75 TO 129+37 LT&RT (PVMT1)		622.00	0004	01
		ROUTE 114 SB EAST SHORE EXPWY (PVMT1)				
		112+00 TO 116+80 (PVMT1)		2,077.00	0004	01
		120+39 TO 127+50 LT&RT (PVMT1)		3,063.00	0004	01
		US ROUTE 6 WARREN AVE (PVMT1)				
		46+50 TO 60+70 LT&RT (PVMT1)		7,824.00	0004	01
Item 935.0400 Total:				16,903.00		
123	936.0110	MOBILIZATION	LS			
		PROJECTWIDE				
		AS DIRECTED		1.00	0004	01

## Distribution of Quantities

Project Name - E. Shore Expwy Bridge 475 &amp; McCormick Quarry Bridge 476

Estimate Name - Addendum No. 1

R.I. Contract No. - 2015-CB-029

FAP Nos: BRO-0475(001), NHS-0476(001)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S001	108.9901	ICT1, EAST SHORE EXPRESSWAY BRIDGE NO. 475 PROJECTWIDE PROJECTWIDE	HRS			
				Item 108.9901 Total:	**DELETED**	
S002	108.9902	ICT2, MCCORMICK QUARRY BRIDGE NO. 476 PROJECTWIDE	HRS			
				Item 108.9902 Total:	**DELETED**	
				Item T20.2014 Total:	2,570.00	
150	T20.2016	6 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW ROUTE 114 NB EAST SHORE EXPWY 24+65 TO 134+00 RT ROUTE 114 SB EAST SHORE EXPWY 112+00 TO 127+50 LT	LF			
				Item T20.2016 Total:	2,572.00	
S153	108.9901	ICT1, EAST SHORE EXPRESSWAY BRIDGE NO. 475 PROJECTWIDE AS DIRECTED BY ENGINEER	HRS			
				Item 108.9901 Total:	40.00	
S154	108.9902	ICT2, MCCORMICK QUARRY BRIDGE NO. 476 PROJECTWIDE AS DIRECTED BY ENGINEER	HRS			
				Item 108.9902 Total:	40.00	