

August 11, 2016

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7550793

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2016-CB-036

FEDERAL-AID PROJECT NO. FAP Nos: BRO-0550 (007)

**Pawtucket Area Bridges (53B)**

Division Street Sta 504+00 to 507+50±

CITY/TOWN OF Pawtucket

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. Pre-Bid Question: Contractor noted that there is more removal and disposal quantity of contaminated soil than there is estimated earth excavation, how will the Contractor be paid for earth excavation of Contaminated soil?

Response: The Contractor will be compensated for earth excavation at the contract unit bid price per "Cubic Year" of actual earth excavation per Section 202 of the Rhode Island Standard Specification for Road and Bridge Construction, (Amended 2013) and all revisions.

3. Pre-Bid Question: Contractor questioned if the Seekonk River is a navigable waterway and if the channel needs to remain open at all times?

Response: The Contractor is directed to Contract Specific (CS) page CS-17, paragraph 28 Environmental Permits. "The various environmental permits and applications are attached in Appendix B of the CS pages. The permits contain conditions and stipulations for work to which the Contractor shall adhere." The Seekonk River is navigable. The Contractor is directed to the U.S. Coast Guard permit/ letter of authorization for "General Bridge Construction Requirements" for waterway channel, and vertical clearance restrictions and stipulations.

## **B. Contract Documents**

1. Page CS-4

Remove Page CS-4 in its entirety and replace it with revised Page CS-4 (R-1) and Page CS-4a attached to this Addendum No. 1. Paragraph "B" has been revised.

2. Page CS-6

Remove Page CS-6 in its entirety and replace it with revised Page CS-6 (R-1) and Page CS-6a attached to this Addendum No. 1. Paragraph 10, Subsection "11a" has been added.

3. CS Pages - Appendix B

Remove TMP Attachment "A" in its entirety and replace with TMP Attachment "A" (R-1) attached to this Addendum No. 1. Traffic restrictions for the Division Street Bridge No. 965 and Taft Street have been revised.

4. Page JS-ii

Remove Page JS-ii in its entirety and replace it with revised Page JS-ii (R-1) attached to this Addendum No. 1. Code 813.9910 has been deleted.

5. Page JS-7

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

6. Pages JS-11 through JS-13

Remove Pages JS-11 through JS-13 in their entirety and replace them with revised Page JS-11 (R-1) through JS-13 (R-1) and insert Page JS-13a attached to this Addendum No. 1. Job Specific Code 201.9920 has been revised.

7. Page JS-76

Remove Page JS-76 in its entirety and replace it with revised Page JS-76 (R-1) attached to this Addendum No. 1. Job Specific Code 807.9901 and Job Specific Code 807.9910, Method of Measurement and Basis of Payment have been revised to "Linear Foot".

8. Pages JS-81 through JS-83

Remove Pages JS-81 through JS-83 in their entirety and replace them with revised Pages JS-81 (R-1) through JS-83 (R-1) attached to this Addendum No. 1. Code 813.9910 has been deleted.

9. Page JS-84

Remove Page JS-84 in its entirety and replace it with revised Page JS-84 (R-1) attached to this Addendum No. 1. Job Specific Code 824.9901, Description and Material sections have been revised.

## **C. Drawings/Plans - Change/Addition**

1. Sheet 5 of 35

Remove Sheet 5 of 35 in its entirety and replace with revised Sheet 3 of 35 (R-1) attached to this Addendum No. 1. Bituminous Pavement Micro Milling legend (P-3) has been added.

2. Sheet 22 of 35

Remove Sheet 22 of 35 in its entirety and replace with revised Sheet 22 of 35 (R-1) attached to this Addendum No. 1. Maintenance and Protection of Traffic Plan No. 4 has been revised.

3. Sheet 26 of 35

Remove Sheet 26 of 35 in its entirety and replace with revised Sheet 26 of 35 (R-1) attached to this Addendum No. 1. Remove and Replace decorative light standards has been removed from the Contract. Full depth removal, disposal, and replacement of bituminous pavement on the bridge deck and waterproofing membrane has been removed from the Contract. Partial depth removal, disposal, and replacement of the bituminous pavement on the bridge deck has been added to the Contract.

4. Sheet 27 of 35

Remove Sheet 27 of 35 in its entirety and replace with revised Sheet 27 of 35 (R-1) attached to this Addendum No. 1. Full depth removal, disposal, and replacement of bituminous pavement on the bridge deck and waterproofing membrane has been removed from the Contract. Partial depth removal, disposal, and replacement of the bituminous pavement on the bridge deck has been added to the Contract.

5. Sheet 28 of 35

Remove Sheet 28 of 35 in its entirety and replace with revised Sheet 28 of 35 (R-1) attached to this Addendum No. 1. Lower bracket anchor details have been revised.

6. Sheet 33 of 35

Remove Sheet 33 of 35 in its entirety and replace with revised Sheet 33 of 35 (R-1) attached to this Addendum No. 1. Note 7 of the Suggested Method & Sequence of Construction notes and Note 1 of the Brick Masonry Arch Soffit Restoration notes have been revised.

**D. Distribution of Quantities**

1. Index Pages 1 through 3

Remove Index Pages 1 through 3 in their entirety and replace them with revised Index Pages 1 (R-1) through 3 (R-1) attached to this Addendum No. 1. The Table of Contents has been revised.

2. Page 3

Remove page 3 in its entirety and replace it with revised Page 3 (R-1) attached to this Addendum No. 1. The quantity and method of measurement for Item Code 201.9920 have been revised.

3. Page 6

Remove page 6 in its entirety and replace it with revised Page 6 (R-1) attached to this Addendum No. 1. The Pay Code and Sequence Number for Item Code 206.0312 have been added.

4. Page 9

Remove page 9 in its entirety and replace it with revised Page 9 (R-1) attached to this Addendum No. 1. The quantity for Item Code 401.3000 has been revised.

5. Pages 14 through 16

Remove pages 14 through 16 in their entirety and replace them with revised Page 14 (R-1) through 16 (R-1) attached to this Addendum No. 1. The Unit of Measurement and quantity for Item Code 807.9901 and Item Code 807.9910 have been revised. Item Code 813.9910, Item Code 818.2000, and Item Code 839.0200 have been deleted.

6. Page 23

Remove page 23 in its entirety and replace it with revised Page 23 (R-1) and Page 23a attached to this Addendum No. 1. The quantity for Item Code 923.0105 and Item Code 923.0200 have been revised.

7. Pages 25 through 26

Remove pages 25 through 26 in their entirety and replace them with revised Page 25 (R-1), Page 25a, and Page 26 (R-1) attached to this Addendum No. 1. The quantities for Item Code 932.0200 and Item Code 935.0400 have been revised.

8. Page 29

Remove page 29 in its entirety and replace it with revised Page 29 (R-1) attached to this Addendum No. 1. Item Code T01.9901 has been deleted.

9. Page 31

Remove page 31 in its entirety and replace it with revised Page 31 (R-1) and Page 32 attached to this Addendum No. 1. Item Code 701.0424, Item Code 701.0430, Item Code 839.0100, Item Code 926.0121, and Item Code 932.0110 have been added.



Federal Highway Administration  
Division Administrator



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: 7550793

BID TITLE: 2016-CB-036 Pawtucket Area Bridges

PRE BID DATE & TIME: August 4, 2016 @ 9:00 AM TMC

Purchasing Representative:

LISA HILL

Pre Bid START TIME:

9:02

Pre Bid END TIME:

9:27

**PLEASE PRINT**

COMPANY NAME	COMPANY REPRESENTATIVE	ADDRESS	CONTACT E-MAIL	CONTACT PHONE NUMBER
1 RIDOT	NATHAN SHAPIRO	2 CAPITAL HILL PROVIDENCE	NATHAN.SHAPIO@RIDOT.RI.GOV	822-3260 x4410
2 J.H. LYNCH & SONS, INC	KEVIN E. LAPIERRE JR.	50 LYNCH PLACE	klapierre@jhllynch.com	401-333-4300
3 Baker Corp	PAUL LAMBERT	102 OLOWORCESTER RD	PLAMBERT@bakercorp.com	508-838-3487
4 <del>Commonwealth Eng.</del>	Thomas McGovern	400 Smith Street S.W. RI	Thomas.McGovern@Commonwealth-Eng.com	401-273-6600
5 <del>Commonwealth Eng.</del>	GREGORY J. McVEIGH	99 MANUSTRAT JACOBSON MR	GREG.McVEIGH@COMMONWEALTH-ENG.COM	207-728-0721
6 COMMONWEALTH ENGE.	JOSEPH REILLY	400 SMITH ST. PROVIDENCE	JAREILIE.COMMONWEALTH-ENG.COM	401-273-6600
7 COMMONWEALTH ENGE.	NIKONE SOUPHARATH	1100 SMITH ST. PROVIDENCE	NSOUPHARATH@COMMONWEALTH-ENG.COM	401-273-6600
8 Aetna Bridge Co.	JEFFREY A. BOSTOCK	100 JEFFERSON BLVD WARWICK, RI 02886	JTBOSTOCK@AETNABRIDGE.COM	401-728-0400
9 <del>Commonwealth Eng.</del>	MIAM LEE TAYLOR	800 Jefferson Blvd Warwick RI 02887	LTYLOR@D-ambra.com	401-737-1300
10 JOHN ROACH	MIKE SARRASIN	80 LAZAR INDUSTRIAL PK SMITHFIELD, RI	msarrasin@sarrasin.com	401-949-5565
11 BRAD OWENS	BRIDOT	2 Capital Hill	brad.owens@RIDOT.RI.GOV	222-2053-4084
12 ROBERT FARAJE	RIDOT/BRIDGE	" "	Robert.Faraje@ridot.risou	401 x 4071
13 RAYMOND GILBRAND	CARDI	400 LINCOLN AVE WARWICK, RI	ESTIMATING@CARDI.COM	401 739 8300 x 145
14 ANTHONY MESITI	"	" "	" "	" x 130
15 RIDOT	Wellington Hall	2 Capital Hill, Providence RI	wellington.hall@ridot.risou	272-2694 x4201

**Pawtucket Sewer**

Mr. Dennis Leach  
 Superintendent  
 250 Armistice Boulevard  
 Pawtucket, RI 02860  
 401-639-2826 (cell)

**Pawtucket Police**

Chief George L. Kelley  
 Police Chief  
 Pawtucket Police Department  
 155 Roosevelt Avenue  
 Pawtucket, RI 02860  
 401-727-9100

**Pawtucket Water Supply Board**

Mr. James L. DeCelles, P.E.  
 Chief Engineer  
 85 Branch Street  
 Pawtucket, RI 02806  
 401-729-5000  
 401-729-5001 (cell)

**Pawtucket City Engineer**

Andrew Silva  
 Pawtucket City Engineer  
 Rm 105, 137 Roosevelt Avenue  
 Pawtucket, RI 02860  
 401-728-0500 ext 242

**Pawtucket Schools**

Dr. Hans W. Dellith  
 Superintendent of Schools  
 Pawtucket School Department  
 286 Main Street  
 Pawtucket, RI 0286  
 401-729-6315

**RIPTA**

Mr. Mark Therrien  
 Assistant General Manager / Planning  
 RI Public Transit Authority  
 265 Melrose Street  
 Providence RI 02907  
 401-615-1401

B. The following utility involvement is anticipated:

**National Grid - Gas**

The Contractor is cautioned that the exposed gas main under the South sidewalk of Bridge No. 965 is a 12" steel 18psig Critical Gas Main and extreme care must be used while working around it, particularly during removal and replacement of the existing cantilevered sidewalk components. This gas main must remain active with uninterrupted service throughout the entire duration of the Contract.

NGRID Gas requires the Contractor to submit a shop drawing for the temporary protection of the existing gas line to engineering ([jim.paulette@nationalgrid.com](mailto:jim.paulette@nationalgrid.com)) for review and approval prior to commencement of work. A National Grid Damage Prevention Inspector (David Soltys 401-623-0579) will need to confirm that the shielding is in place and properly installed prior to the start of construction activities around the gas main.

NGRID Gas requires 4 week advance notification of any changes to the predetermined schedules of construction.

Due to system reliability and safety concerns, it is National Grid's practice to restrict all construction on or near gas facilities between November 15<sup>th</sup> and April 15<sup>th</sup>. All scheduled work should be completed between April 15<sup>th</sup> and November 15<sup>th</sup>. As gas usage peaks during the months of December to March driven by heating needs, National Grid's priority is to provide their customers with safe and reliable service. Any work on or near the gas facility will expose their customers to unnecessary risk. Exceptions will be considered on a case by case basis. Approvals from Gas Control, Operational Engineering and Project Engineering will be required for these cases.

It is also required that the Contractor notify each utility no less than four (4) weeks in advance of the date and time that the Contractor intends to work in the vicinity of the utility's facility.

The Contractor shall provide all necessary temporary traffic control for utility work to be performed in advance of other construction.

The Contractor shall notify the Engineer at least 4 weeks prior to any temporary utility shut-off (except for National Grid – Gas which cannot be shut-off as noted above). The Engineer will be responsible to notify the local officials and utility companies to inform the affected residents.

traffic in the work area for access and egress of equipment. It is the Department's intent to keep these interruptions to traffic flow to a minimum. In the event these delays are deemed unacceptable, the Contractor shall be required to re-sequence his construction operations at no additional cost to the State.

8. The Contractor shall sequence his work such that erosion and sediment controls are installed prior to the start of construction and that temporary stabilization of soil has been provided as indicated in the Soil Erosion and Sediment Control (SESC) Plan refer to Appendix G or as directed by the Engineer.
9. The Contractor shall be responsible for maintaining drainage and runoff flow during periods of rainfall throughout the work area. Any materials and work associated with such measures shall be considered incidental to the construction and included with the cost for the associated bid items. The sequence of permanent and temporary drainage installation shall accommodate the construction phasing specified in the Plans. The Contractor shall take note that this project is subject to an approved SESC Plan refer to Appendix G
10. The Contractor shall be responsible to sequence work so as to provide continuous and efficient collection of stormwater from all roadways, during all phases of construction at no additional cost to the State.
11. Disturbance to business shall be minimized. The Contractor shall make every effort to minimize disruption to business through coordination of construction schedules, and business deliveries with the Engineer and property owner. The Contractor shall maintain free an unobstructed access to all private properties and local businesses during the entire project duration. The Contractor shall not store any material and equipment on River Street. All curb cuts and openings shall be maintained. In addition, if separate agreements are made with other private property owners, the Contractor shall provide to the Engineer copies of any Temporary Use Agreements or easements as necessary.
- 11a. The Division Street Bridge No. 965 shall be closed to all traffic prior to the removal of any brickwork required for the restoration of the brick masonry arch soffits. All brickwork removed must be replaced within the same work period and prior to reopening the bridge to traffic.
12. Suggested Construction Sequence (Detention Basin)
  1. The Contractor shall excavate and remove concrete building slab in accordance with CODE 201.9920.
  2. The Contractor shall coordinate test pit excavation with the Engineer for building slab soil sampling and analysis by the Engineer or his representative. The Contractor shall provide a minimum of 10 work day allowance after test pitting for soil sample testing and to obtain analytical results of sampling.

The Contractor shall layout, locate and conduct test pitting for composite sampling and analytical testing by the Engineer or his representative at 4 - 4' deep test pit locations. Refer to Soil Classification and Testing Plan identifying location of the past 3 building slab borings. The test pits shall be in the same general location across the north side of the building foundation.

The Engineer's representative will review soil analytical results to determine soil type and if additional sampling and testing is required based on soil type. If results are acceptable, the Contractor shall excavate tested slab material to test pit depth, haul and dispose of off-site. Also, refer below for coordination requirements for the excavating of test pit material to depth of detention basin with remaining detention basin material after pre-characterization.

3. The Contractor shall excavate and remove building buried foundation in accordance with CODE 201.9920.

**TMP Attachment "A" General Restrictions - Pawtucket River Bridge No. 550 Contract 2 Detention Basin & Division Street Bridge No. 965 Repairs**

Location	MINIMUM NUMBER OF LANES & SHOULDERS TO REMAIN OPEN TO TRAFFIC <sup>1,2,3,4,5,6</sup>								
	Time of Day		Day of Week						
	From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>Division Street Bridge No. 965 (From Pleasant Street to Water Street)</b>	0:00	6:00	ALL	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	ALL
	6:00	9:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	9:00	15:00	ALL	1 L (WB)	1 L (WB)	1 L (WB)	1 L (WB)	1 L (WB)	ALL
	15:00	19:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	19:00	24:00	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	ALL	ALL
<b>Taft Street (From Spencer Street to Bridge No. 550)</b>	0:00	24:00	SHIFT	SHIFT	SHIFT	SHIFT	SHIFT	SHIFT	SHIFT
<b>I-95 NB Exit 28 (School Street Off-Ramp)</b>	0:00	6:00	ALL	1 L	1 L	1 L	1 L	1 L	ALL
	6:00	20:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	20:00	24:00	1 L	1 L	1 L	1 L	1 L	ALL	ALL

**LEGEND**

<b>1 L (WB)</b>	A minimum of one travel lane (11' minimum) on Division St. westbound at Bridge # 965 shall remain open to traffic.
<b>1 L</b>	A minimum of one travel lane (11' minimum) shall remain open to traffic.
<b>CLOSED</b>	Division Street Bridge # 965 shall be closed to traffic.
<b>SHIFT</b>	A minimum of one travel lane (11' minimum) on Taft Street in both directions shall remain open to traffic.
<b>ALL</b>	All travel lanes and shoulders shall remain open to traffic.

**NOTES**

- 1 The set-up and break-down of temporary traffic control devices within a traveled way shall be construed as a closure of that traveled way.
- 2 The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.
- 3 At locations with a sidewalk (s), a minimum of one sidewalk on one side of the roadway shall remain open to pedestrians at all times.
- 4 Access to and egress from all side streets, driveways, buildings, and other pedestrian pathways intersecting the Project work zones shall be maintained at all times unless otherwise noted or shown on the Plan.
- 5 No lane and/or shoulder closures allowed on Division Street Bridge from 6:00 to 22:00 during the Pawtucket Red Sox home game schedule (See Attachment C).
- 6 In the event the Pawtucket Red Sox made the playoffs and once the schedule is released, note 5 in the general restrictions chart should be followed.

**INDEX**  
**SPECIFICATIONS - JOB SPECIFIC**

R-1

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
702.9901	Precast Manhole Depths Greater Than 12 Feet	JS - 65
702.9910	Extended Detention Basin Outlet Structure	JS - 66
800.9901	Scour Remediation with Grout Bags	JS - 67
803.9901	Remove and Dispose Existing Timber Sidewalk Planks, Stringers, Sills, and Blocking	JS - 70
803.9902	Remove and Dispose Existing Steel Sidewalk Brackets	
806.9901	Furnish, Fabricate and Install Timber Sidewalk Planks, Stringers, Sills and Blocking	JS - 72
807.9901	Repointing Brick Masonry Arch Soffit	JS - 74
807.9910	Repointing Stone Masonry Abutments, Piers, Spandrel Walls and Arch Rings	
807.9920	Restoration of Brick Masonry Arch Soffit	JS - 77
813.9910	<b>DELETED</b>	JS - 81
824.9901	AASHTO M270 Grade 50 Steel, Furnish, Fabricate and Erect Cantilevered Sidewalk Brackets	JS - 84
827	Thermal Sprayed Zinc Coating for New Structural Steel	JS - 87
827.9901	Remove, Salvage, Metalize and Reinstall Existing Pedestrian Railings and Post	JS - 90
903.9901	Black Vinyl Coated Chain Link Fence 6' STD. 31.2.0 Modified	JS - 92
903.9902	Black Vinyl Coated Chain Link Fence 6' High, Double Gate 10' Wide, STD 31.2.0 Modified	
903.9920	Barrier Mounted Temporary Chain Link Fencing	JS- 95
907.1000	Dust Control	JS - 97
911.9909	Segmental Retaining Wall System	JS - 98
921.9901	Cellular Confinement System	JS - 102
928.	Truck Mounted Attenuator with Truck Moubnted Flashers	JS- 106
929.	Field Offices and Materials Laboratory	JS- 110
937.0200	Maintenance and Movement Traffic Protection	JS - 111
938.1000	Price Adjustments	JS - 112
L.01	Loam, Plantable Soil or High Organic Soils	JS - 113

the Department and shall complete the forms including a certification for payment in accordance with the instructions contained thereon.

**d. Invoice for Partial Payment for Materials, Supplies, and Equipment.** The Engineer may allow invoicing as provided above and permit partial payments for those materials, supplies, and equipment delivered to an approved location but not yet incorporated into the Work.

Payment for materials, supplies and equipment furnished at an approved site but not yet incorporated into the Work will not exceed the lesser of the following amounts.

1. 100 percent of the cost incurred by the Contractor, or
2. 80 percent of the value calculated by multiplying the quantity of the item delivered by the unit price for the corresponding item in the Bid Schedule.

For verification of costs, the Contractor shall provide the Engineer with an original paid invoice for the furnished materials, supplies or equipment within thirty (30) days after receiving the partial payment. Otherwise, the amount of the partial payment will be deducted from subsequent invoices.

The Engineer will not approve any payment for perishable plant materials until such plant materials are planted as specified in the Contract.

**e. Engineer's Review of Contractor's Request for Payment for Work and Request for Partial Payment for Materials, Supplies, and Equipment.** Upon receipt of the Contractor's invoice, the Engineer will review the invoice and may approve or reject payment or portions thereof. The Engineer will notify the Contractor in writing of any modifications and/or rejection of the invoice. Modifications and reasons for the change will be made to the Excel spreadsheet in the columns provided. In the case of a rejection, the Engineer will request that the invoice be resubmitted.

**f. Release of Retainage.** Upon partial acceptance of work performed under a completed subcontract, the State, within 30 days, will pay the Contractor the relevant portion of retainage due for all Work covered by the acceptance.

**CODE 201.9920  
REMOVAL AND DISPOSAL OF SITE BUILDING FOUNDATIONS**

**DESCRIPTION:**

This work consist of furnishing all labor, tools, materials and equipment required to complete the demolition, removal of all construction debris and disposal of the building foundations from 20 Division Street parcel as shown on the Plans and or as directed by the Engineer.

**APPLICABLE LAWS AND REGULATIONS:**

All work and material shall be in accordance with the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, (Amended 2013) and all revisions, these Special Provisions, and as described elsewhere in the Contract Document and as directed by the Engineer.

The Contractor shall conducted all building slab and buried foundation demolition (foundations) in accordance with State of Rhode Island Building Code, and OSHA standard 29 CFR 1926 "Safety and Health Regulations for Construction".

The Contractor shall immediately notify the Engineer if actual or suspected oil, hazardous material, and/or hazardous waste (OHM) are encountered during foundation demolition. All OHM shall be handled according to state and federal regulations and in accordance with the applicable Contract Documents.

**SUBMITTALS:**

The Contractor shall obtain and submit to the Engineer all required State demolition permits.

The Contractor shall coordinate with each private utility to verify that all utility services have been deactivated. The Contractor shall submit to the Engineer a written statement obtained from each utility companies (telephone, electric, gas, cable) stating that their respective service connections and appurtenant equipment have been removed from the site, relocated and secured away from Limits of the Project and sealed outside the property line in a safe manner prior to demolition of the foundations.

The Contractor shall provide the following demolition procedure submittal along with a list of all disposal/recycling facilities to be used for this Project.

The Contractor shall submit eight (8) copies of a Demolition Plan to the Engineer describing demolition means and methods, and sequence of demolition. The Plan shall detail how demolition material will be removed, managed, controlled and disposed. The Contractor shall provide the Engineer with a demolition schedule in accordance with the requirements of Section 108.03, Prosecution and Progress, of the Rhode Island Standard Specifications for Road and Bridge Construction, (Amended 2013) and all revisions. In addition, the Contractor shall notify the Engineer at least 48 hours (two working days) before onsite demolition operations begin.

Copies of all shipping receipts/manifests for off site disposal/recycling of demolition debris shall be provided to the Engineer on the day of shipment of material offsite.

### **CONSTRUCTION METHODS:**

The Contractor shall install appropriate erosion control measures to protect adjacent properties and water resources from erosion and sedimentation run-off in accordance with the Rhode Island Soil Erosion and Sediment Control Handbook and or as directed by the Engineer.

The Contractor shall make every effort to recycle construction demolition materials whenever practical, rather than disposed of in a landfill. Potential recycling materials include concrete and steel reinforcing.

The Contractor shall secure the Site at the end of each work day. The Contractor shall assure that the remaining portions of the structures to be demolished are in stable condition at the end of each work day.

The Contractor shall conduct operations with a minimum of interference to public and or private access and facilities; maintain site access and egress at all items; and clean and clear all exposed surfaces and adjacent roadways daily, or as required by the Engineer.

The Contractor shall protect adjacent properties and facilities, bench marks, property corners, and all other survey monuments from damage or displacement. If a marker needs to be removed, it shall be referenced by a licensed land surveyor and replaced, as necessary, by the surveyor. Costs to remove and reset markers shall be considered incidental to the work.

The Contractor shall notify DIG SAFE 72 hours prior to beginning any site excavation or demolition in accordance with the standard specifications.

The Contractor shall ensure that all site gas, water, drainage and sanitary lines and the like shall be capped at edge of property.

All storm drainage lines shall remain in operation whether they are shown or not shown on the Contract Documents. The Contractor shall take all precautions necessary to protect the lines, manholes and outlets. Any damage to the storm drainage lines caused by the Contractor during his demolition operations shall be repaired by the Contractor at no additional cost to the State.

**DEMOLITION REQUIREMENTS:**

The Contractor shall control dust at all times in accordance with Section 907, Dust Control, of the Rhode Island Standard Specifications, and Special Provision 907.1000.

The Contractor shall clean dust, dirt, and debris caused by demolition operations from adjacent paved roadways and from within adjacent appurtenances, as applicable and as directed by the Engineer.

The Contractor shall demolish and completely remove existing building concrete slabs, foundation walls, and footings. Concrete foundations, footings on foundation exterior walls and interior walls, and exterior and interior column footings, whether shown or not shown on the Plans that are below slab shall be broken up and removed. All below slab piping, hydraulic lift pistons, tanks, conduits, channels, pits and other appurtenances whether shown or not shown on the Plans shall be removed and disposed.

Demolition debris and other materials resulting from demolition operations shall be removed from the site using appropriate methods to complete the work within limitations of governing regulations.

The Contractor shall ensure that non-hazardous (and hazardous, if applicable) materials are properly segregated by type (i.e. asphalt, concrete, metal and wood wastes) during the recycling/disposal of demolition materials. The Contractor shall be responsible for any additional costs required to separate dissimilar demolition debris or on-site hazardous materials. Materials not suitable for recycling shall be disposed of at an approved disposal facility.

The Contractor shall ensure that off site recycle/disposal areas are approved for recycling/disposal by governing authorities.

**METHOD OF MEASUREMENT:**

“ITEM CODE 201.9920 REMOVAL AND DISPOSAL OF SITE BUILDING FOUNDATIONS” will be measured for payment by the “Cubic Yard” of foundations actually removed and disposed in accordance with the Plans and/or as directed by the Engineer.

**BASIS OF PAYMENT:**

The acceptable quantity of "ITEM CODE 201.9920 REMOVAL AND DISPOSAL OF SITE BUILDING FOUNDATIONS" 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.

Engineer will direct the Contractor to an area that is to be repointed as the sample. The sample repointing shall demonstrate mortar color, texture and finish. The sample size will be limited to no more than six (6) linear feet of joint. The sample will require sufficient time to cure to confirm the final color of the mortar. Once approved, the sample will be the guide for the rest of the work.

Surfaces within the joints shall be kept in saturated/surface dry condition while repointing is performed. Mortar shall be thoroughly packed to completely fill the entire depth of the void and/or joint and extend to the outer adjacent brick/stone surface. The center on the repointed joint shall be tooled to match the finish of the existing joints. Care shall be taken to avoid dropping or splattering mortar on the adjacent existing brick/stones and/or mortared joints. After the repointing is completed and the mortar has sufficiently set, the brick/stones shall be thoroughly cleaned and left in a neat workmanlike condition.

The requirements regarding weather limitations as stipulated in Subsection 807.03.1 of the Rhode Island Standard Specifications shall be adhered to. Note: Permission will not be granted for work on this item when temperatures are expected to fall below 40°F within 24 hours of completion of any day's work.

**METHOD OF MEASUREMENT:**

"ITEM CODE 807.9901 REPOINTING BRICK MASONRY ARCH SOFFIT" and "ITEM 807.9910 REPOINTING STONE MASONRY ABUTMENTS, PIERS, SPANDREL WALLS, AND ARCH RINGS" will be measured for payment by the "Linear Foot" of masonry surface actually repointed, 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 807.9901 REPOINTING BRICK MASONRY ARCH SOFFIT" and "ITEM 807.9910 REPOINTING STONE MASONRY ABUTMENTS, PIERS, SPANDREL WALLS AND ARCH RINGS" will be paid at the contract unit price per "Linear Foot" as listed in the Proposal. The price so-stated will constitute full and complete compensation for all labor, materials, tools, equipment, and 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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**CODE 824.9901**  
**AASHTO M270 GRADE 50 STEEL, FURNISH, FABRICATE AND ERECT**  
**CANTILEVERED SIDEWALK BRACKETS**

**DESCRIPTION:**

This work consists of but not limited to field verifying existing conditions for detailing and preparation of shop drawings; furnishing, fabricating and erecting new structural steel cantilevered sidewalk brackets and associated components as indicated on the Plans and as specified in this Special Provision. All furnishing, fabricating-including field drilling, erecting, and painting of new structural steel elements, staging, access, scaffolding, field measurements, surface preparation, drilling and installing anchors, grouting, or other items required to complete this work shall be included in the unit bid price for this item.

Refer to Job Specific Code 201.99 for debris netting requirements. All costs for this work shall be included for payment under this Item.

**MATERIALS:**

- All welding shall be performed in accordance with the latest edition of the ANSI/AASHTO/AWS D1.5 Bridge Welding Code.
- All structural steel shall conform to AASHTO Description M270 Grade 50.
- All bolts shall be high strength bolts AASHTO Designation M164 (ASTM A325).
- All washers shall conform to the requirements of ASTM Designation F436. Nuts (unless designated otherwise) shall be heavy hexagonal nuts conforming to ASTM Designation A563.
- High Strength Non-Shrink Grout shall conform to Subsection 819.02.2 of the Standard Specifications.
- The adhesive anchors shall be on the RIDOT Approved Materials List.
- Anchors shall use AISI Type 316 stainless steel threaded rods conforming to the requirements of ASTM F593.

**CONSTRUCTION METHODS:**

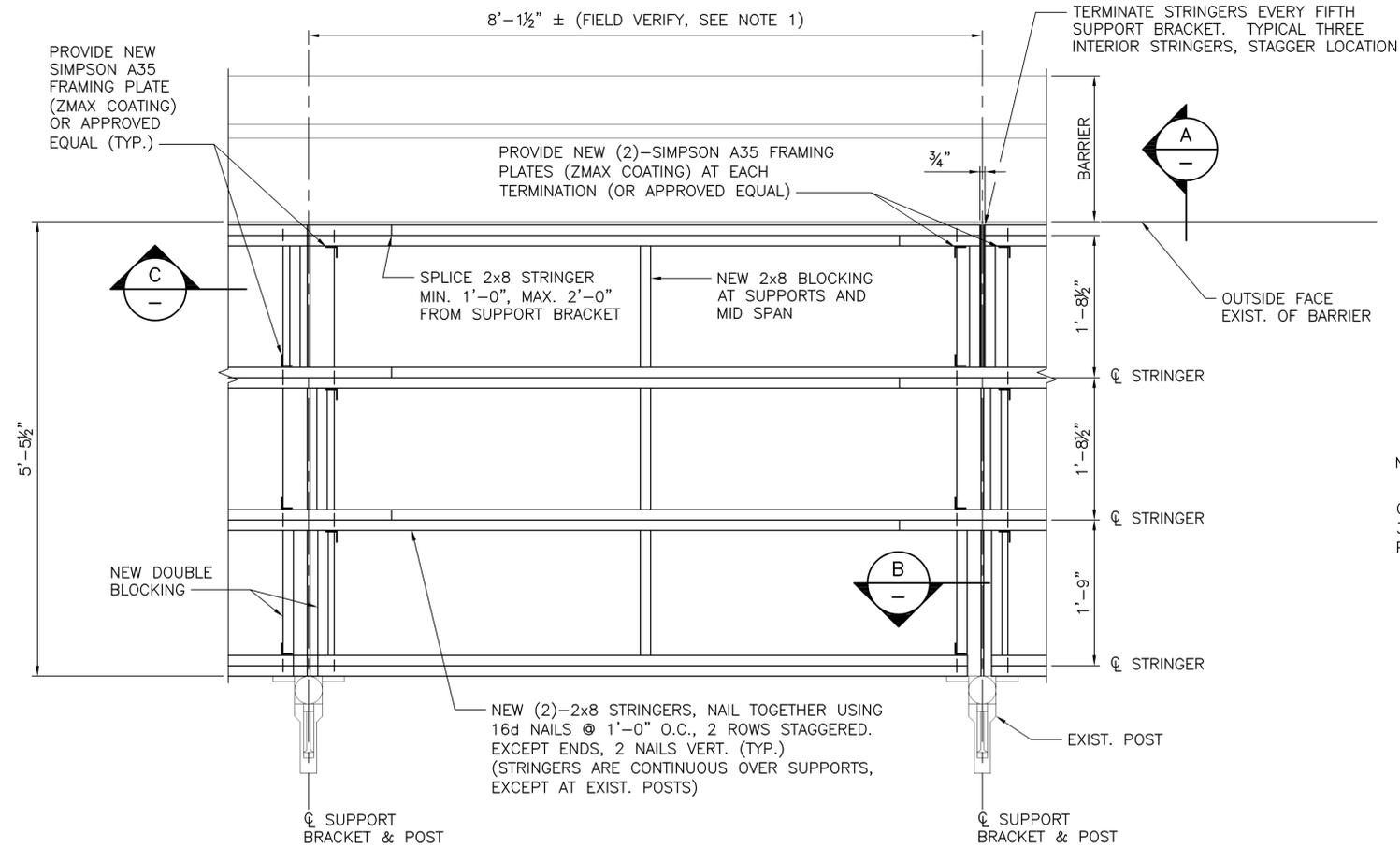
The Contractor's operation shall be in accordance with the Maintenance and Protection of Traffic Plan sheets included in the Contract Drawings and the time/holiday/weight restrictions noted in the TMP and CS pages.



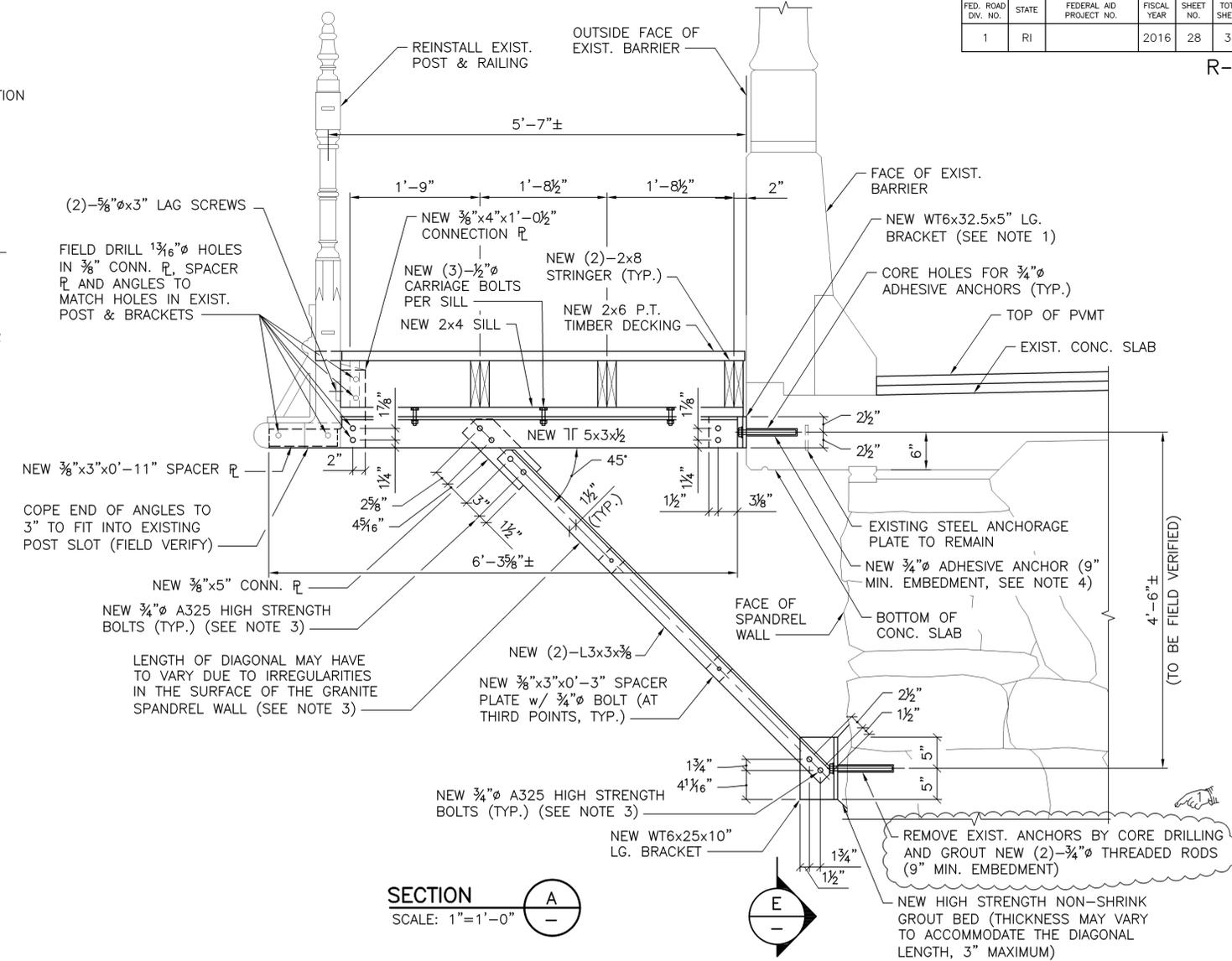




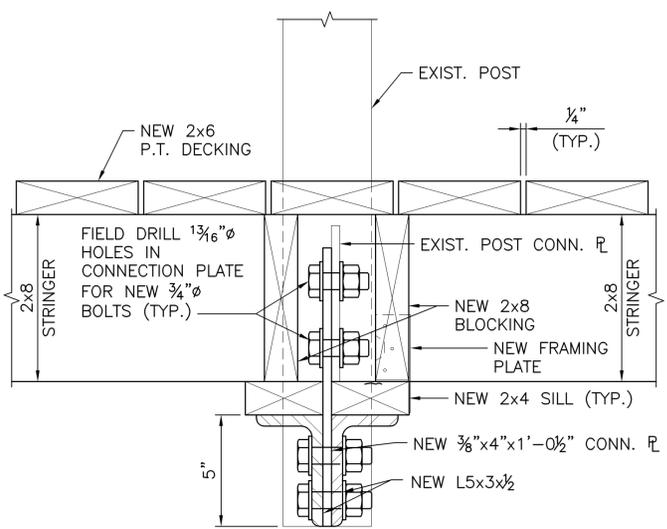




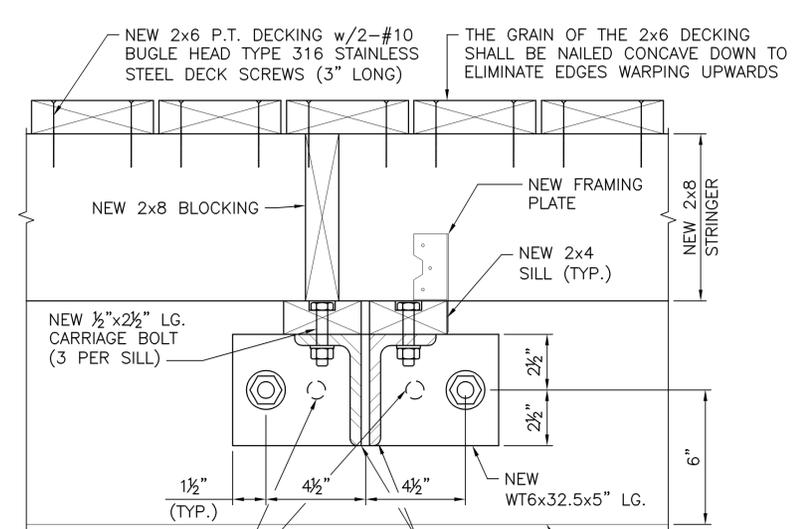
**TYPICAL SIDEWALK FRAMING PLAN**  
SCALE: 1"=1'-0"



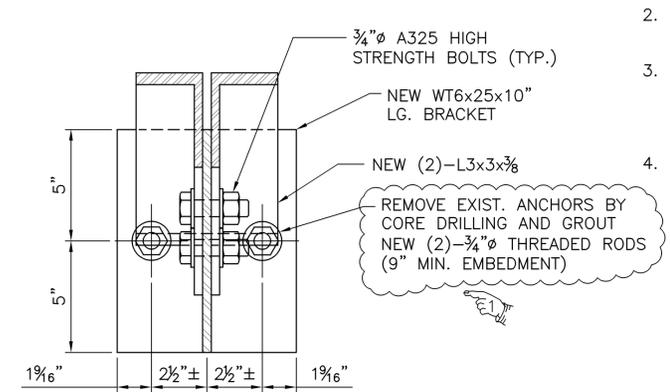
**SECTION A-A**  
SCALE: 1"=1'-0"



**SECTION B-B**  
SCALE: 3"=1'-0"



**SECTION C-C**  
SCALE: 3"=1'-0"



**SECTION E-E**  
SCALE: 3"=1'-0"

**NOTES:**

- THE ACTUAL SPACING IS DEPENDENT UPON THE LOCATION OF THE EXISTING ANCHOR BOLTS, CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. THE INTENT IS TO INSTALL THE NEW WT6x32.5 BRACKETS TO COVER THE EXISTING ANCHOR BOLTS. CONTRACTOR SHALL VERIFY EXISTING CONDITION.
- NEW STEEL SIDEWALK BRACKET AND HARDWARE SHALL MATCH EXISTING COMPONENTS IN DIMENSION UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL HAVE THE OPTION TO FIELD DRILL HOLES IN LIEU OF SHOP DRILLING, AT HIS DISCRETION TO ENSURE PROPER FIT. FIELD REAMING OR ELONGATION OF SHOP DRILLED HOLES WILL NOT BE PERMITTED.
- ADHESIVE ANCHORS SHALL PROVIDE A MINIMUM TENSION CAPACITY OF 14.5 KIPS AND A MINIMUM SHEAR CAPACITY OF 10 KIPS.

REMOVE EXIST. ANCHORS BY CORE DRILLING AND GROUT NEW (2)-3/4" THREADED RODS (9" MIN. EMBEDMENT)  
NEW HIGH STRENGTH NON-SHRINK GROUT BED (THICKNESS MAY VARY TO ACCOMMODATE THE DIAGONAL LENGTH, 3" MAXIMUM)



REVISIONS		
NO.	DATE	BY
1	8/11/16	KK

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**  
PAWTUCKET BRIDGE No. 550 CONTRACT 2  
DETENTION BASIN, BRIDGE PARK &  
DIVISION STREET BRIDGE No. 965 REPAIRS  
PAWTUCKET, RHODE ISLAND  
DIVISION STREET BRIDGE No. 965  
**SIDEWALK REPLACEMENT**  
**DETAILS**

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE AS SHOWN



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201.0423	REMOVE AND DISPOSE HANDHOLE	2
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702.0522	FRAME AND COVER STANDARD 6.2.1	11
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914.5020	FLAGPERSONS - OVERTIME	20
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T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	30
T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	30
T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	30
<b>701.0424</b>	<b>REINFORCED CONCRETE PIPE M 170 CLASS III 24 INCH</b>	<b>31</b>
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007	201.0610	Cont. STREET SIGNS				
		RIVER STREET				
		60+46 LT, R1-1		1.00	0031	01
				<b>Item 201.0610 Total:</b>		<b>1.00</b>
S008	201.9902	REMOVE AND DISPOSE RIPRAP R-3	CY			
		DIVISION STREET				
		504+94 TO 505+52 LT		37.80	0031	01
		ROUNDING		0.20	0031	01
				<b>Item 201.9902 Total:</b>		<b>38.00</b>
009	201.9920	REMOVAL AND DISPOSAL OF SITE	CY			
		BUILDING FOUNDATIONS				
		DIVISION STREET				
		20 DIVISION STREET		385.00	0031	01
				<b>Item 201.9920 Total:</b>		<b>385.00</b>
010	201.9921	REMOVAL AND DISPOSAL OF ABANDON	LS			
		SINGLE WALL STEEL UST, FUEL LINES				
		AND APPURTANCES AT 20 DIVISION				
		STREET				
		DIVISION STREET				
		20 DIVISION STREET		1.00	0031	01
				<b>Item 201.9921 Total:</b>		<b>1.00</b>
011	202.0100	EARTH EXCAVATION	CY			
		DIVISION STREET				
		STA 504+50 TO 507+00 LT		8,284.00	0031	01
		ROUNDING				
		PROJECTWIDE		16.00	0031	01
				<b>Item 202.0100 Total:</b>		<b>8,300.00</b>
012	202.0700	COMMON BORROW	CY			

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021	202.9909 Cont.	MISCELLANEOUS		750.00	0031	01
		STA 504+70 TO 505+40, LT		450.00	0031	01
		STA 505+80 TO 507+15, LT		322.00	0031	01
		STA 506+15 TO 507+00, LT		1,829.00	0031	01
<b>Item 202.9909 Total:</b>				<b>3,351.00</b>		
022	204.0100	<b>TRIMMING AND FINE GRADING</b>	<b>SY</b>			
		DIVISION STREET (CEMSW)				
		500+50 TO 500+87 RT (CEMSW)		21.00	0031	01
		500+60 TO 500+87 LT (CEMSW)		19.00	0031	01
		505+29 TO 506+00 RT (CEMSW)		46.00	0031	01
		505+29 TO 507+10 LT (CEMSW)		159.00	0031	01
		RIVER STREET (CEMSW)				
		60+25 TO 60+52 RT (CEMSW)		24.00	0031	01
		STA 60+25 TO 60+70 LT (CEMSW)		30.00	0031	01
		RIVER STREET (POCCD)				
		60+75 LT (POCCD)		17.00	0031	01
		WATER STREET (CEMSW)				
		TEMPORARY H.C. RAMPS (CEMSW)		12.00	0031	01
<b>Item 204.0100 Total:</b>				<b>328.00</b>		
023	206.0312	<b>COMPOST FILTER SOCK 12 INCH</b>	<b>LF</b>			
		<b>DIAMETER</b>				
		BRIDGE NO. 965				
		BRIDGE NO. 965		250.00	0014	02
		DIVISION STREET				
		505+00, 22' LT TO 192' LT		270.00	0031	01
<b>Item 206.0312 Total:</b>				<b>520.00</b>		
024	208.9901	<b>LINER SYSTEM FOR EXTENDED</b>	<b>LS</b>			
		<b>DETENTION BASIN</b>				
		DIVISION STREET				
		DETENTION BASIN		1.00	0031	01

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<b>Item No.</b>	<b>Item Code</b>	<b>Description</b>	<b>UM</b>	<b>Qty.</b>	<b>Pay Code</b>	<b>Seq. No.</b>
030	302.0100 Cont.	WATER STREET (CBSET)				
		TEMPORARY H.C. RAMPS (CBSET)		0.78	0031	01
		WATER STREET (CEMSW)				
		TEMPORARY H.C. RAMPS (CEMSW)		2.67	0031	01
<b>Item 302.0100 Total:</b>				<b>102.00</b>		
031	401.2100	<b>MODIFIED CLASS 12.5 HMA</b>	<b>TON</b>			
		DIVISION STREET (CBSET)				
		500+50 TO 500+70 RT (CBSET)		0.29	0031	01
		500+60 TO 500+80 LT (CBSET)		0.29	0031	01
		505+39 TO 505+97 RT (CBSET)		0.83	0031	01
		505+39 TO 507+10 LT (CBSET)		2.46	0031	01
		DIVISION STREET (PVMT3)				
		@ RIVER STREET (PVMT3)		46.29	0031	01
		505+39 TO 507+50 (PVMT3)		108.36	0031	01
		RIVER STREET (CBSET)				
		60+25 TO 60+52 RT (CBSET)		0.62	0031	01
		60+25 TO 60+70 LT (CBSET)		0.68	0031	01
		60+92 TO 61+68 LT (CBSET)		1.06	0031	01
		ROUNDING				
		PROJECTWIDE		0.95	0031	01
		WATER STREET (CBSET)				
		TEMPORARY H.C. RAMPS (CBSET)		0.17	0031	01
<b>Item 401.2100 Total:</b>				<b>162.00</b>		
032	401.3000	<b>CLASS 9.5 HMA</b>	<b>TON</b>			
		BRIDGE NO. 965				
		BRIDGE NO. 965		115.00	0014	02
<b>Item 401.3000 Total:</b>				<b>115.00</b>		
033	403.0300	<b>ASPHALT EMULSION TACK COAT</b>	<b>SY</b>			
		BRIDGE NO. 965				
		BRIDGE NO. 965		1,350.00	0014	02

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<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
049	803.9901	REMOVE AND DISPOSE EXISTING TIMBER SIDEWALK PLANKS, STRINGERS, SILLS AND BLOCKING BRIDGE NO. 965 BRIDGE NO. 965	LS	1.00	0014	02
<b>Item 803.9901 Total:</b>				<b>1.00</b>		
050	803.9902	REMOVE AND DISPOSE STEEL SIDEWALK BRACKETS BRIDGE NO. 965 BRIDGE NO. 965	LS	1.00	0014	02
<b>Item 803.9902 Total:</b>				<b>1.00</b>		
051	806.9901	FURNISH, FABRICATE & INSTALL TIMBER SIDEWALK PLANKS, STRINGERS, SILLS AND BLOCKING BRIDGE NO. 965 BRIDGE NO. 965	MBM	16.00	0014	02
<b>Item 806.9901 Total:</b>				<b>16.00</b>		
052	807.9901	REPOINTING BRICK MASONRY ARCH SOFFIT BRIDGE NO. 965 BRIDGE NO. 965	LF	4,600.00	0014	02
<b>Item 807.9901 Total:</b>				<b>4,600.00</b>		
053	807.9910	REPOINTING STONE MASONRY ABUTMENTS, PIERS, SPANDREL WALLS AND ARCH RINGS BRIDGE NO. 965 BRIDGE NO. 965	LF	2,050.00	0014	02
<b>Item 807.9910 Total:</b>				<b>2,050.00</b>		

**Distribution of Quantities**

Project Name - Pawtucket Area Bridges (53B)  
 Estimate Name - Pawtucket River Bridge No. 550 Contract 2 - Addendum 1  
 R.I. Contract No. - 2016-CB-036  
 FAP Nos: BRO-0550 (007)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
054	807.9920	RESTORATION OF BRICK MASONRY ARCH SOFFIT BRIDGE NO. 965	SF			
		BRIDGE NO. 965		3,000.00	0014	02
Item 807.9920 Total:				3,000.00		
055	813.9910	PREFABRICATED WATERPROOFING SHEET MEMBRANE BRIDGE NO. 965	SY			
		BRIDGE NO. 965			0014	02
Item 813.9910 Total:				**DELETED**		
056	818.2000	PORTLAND CEMENT CONCRETE DECK REPAIRS BRIDGE NO. 965	SF			
		AS DIRECTED BY ENGINEER			0014	02
Item 818.2000 Total:				**DELETED**		
057	821.1690	SAW & SEALING JOINTS IN BITUMINOUS CONCRETE PAVEMENT BRIDGE NO. 965	LF			
		BRIDGE NO. 965		185.00	0014	02
Item 821.1690 Total:				185.00		
058	824.9901	AASHTO M270 GRADE 50 STEEL, FURNISH, FABRICATE AND ERECT CANTILEVERED SIDEWALK BRACKETS BRIDGE NO. 965	LBS			
		BRIDGE NO. 965		30,000.00	0014	02
Item 824.9901 Total:				30,000.00		
059	827.9901	REMOVE, SALVAGE, METALIZE AND REINSTALL EXISTING PEDESTRIAN	LF			

**Distribution of Quantities**

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 R.I. Contract No. - 2016-CB-036  
 FAP Nos: BRO-0550 (007)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
059	827.9901	Cont. RAILINGS AND POSTS				
		BRIDGE NO. 965				
		BRIDGE NO. 965		990.00	0014	02
<b>Item 827.9901 Total:</b>				<b>990.00</b>		
060	836.0100	STRUCTURAL CONCRETE CRACK REPAIR BY EPOXY-RESIN BASE ADHESIVE INJECTION	LF			
		BRIDGE NO. 965				
		BRIDGE NO. 965		1,200.00	0014	02
<b>Item 836.0100 Total:</b>				<b>1,200.00</b>		
061	839.0200	FULL DEPTH REMOVAL AND DISPOSAL OF BITUMINOUS PAVEMENT FROM CONCRETE BRIDGE DECKS	SY			
		BRIDGE NO. 965				
		BRIDGE NO. 965			0014	02
<b>Item 839.0200 Total:</b>					<b>**DELETED**</b>	
062	903.0231	DOUBLE GATE, CHAIN LINK 6' STANDARD 31.2.0	EACH			
		PLEASANT STREET				
		NW ABUTMENT		1.00	0031	01
		TAFT STREET				
		NW ABUTMENT		1.00	0031	01
<b>Item 903.0231 Total:</b>				<b>2.00</b>		
063	903.9901	BLACK VINYL CHAIN LINK FENCE 6' STD. 31.2.0 MODIFIED	LF			
		DIVISION STREET				
		505+02, 21' LT - 507+05, 165' LT		346.00	0031	01
<b>Item 903.9901 Total:</b>				<b>346.00</b>		

**Distribution of Quantities**

Project Name - Pawtucket Area Bridges (53B)  
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 R.I. Contract No. - 2016-CB-036  
 FAP Nos: BRO-0550 (007)

<b>Item No.</b>	<b>Item Code</b>	<b>Description</b>	<b>UM</b>	<b>Qty.</b>	<b>Pay Code</b>	<b>Seq. No.</b>
084	922.0100 Cont.	R.I. STD. 27.1.1 (24"X36")X2		12.00	0031	01
		R9-11AL (24"X12")X1		2.00	0031	01
		R9-11AR (24"X12")X1		2.00	0031	01
		R9-9 (24"X12")X1		2.00	0031	01
		W20-1 (36"X36")X2		18.00	0031	01
		W24-1L (36"X36")X1		9.00	0031	01
		W24-1R (36"X36")X1		9.00	0031	01
<b>Item 922.0100 Total:</b>				<b>435.00</b>		
085	923.0105	<b>DRUM BARRICADE STANDARD 26.2.0</b>	<b>BDAY</b>			
		PROJECTWIDE				
		AS DIRECTED		5,600.00	0031	01
		TAFT ST				
		@TAFT ST		2,816.00	0031	01
<b>Item 923.0105 Total:</b>				<b>8,416.00</b>		
086	923.0120	<b>PLASTIC PIPE BARRICADE STANDARD</b>	<b>EACH</b>			
		<b>26.3.0</b>				
		DIVISION STREET				
		BRIDGE CLOSURE		2.00	0031	01
		SIDEWALK CLOSURE		2.00	0031	01
		TAFT STREET				
		SIDEWALK CLOSURE		2.00	0031	01
<b>Item 923.0120 Total:</b>				<b>6.00</b>		
087	923.0200	<b>FLUORESCENT TRAFFIC CONES STANDARD</b>	<b>EACH</b>			
		<b>26.1.0</b>				
		DIVISION STREET				
		BRIDGE CLOSURE		20.00	0031	01
		LANE CLOSURE		40.00	0031	01
		TAFT STREET				
		LANE SHIFT			0031	01
<b>Item 923.0200 Total:</b>				<b>60.00</b>		

**Distribution of Quantities**

Project Name - Pawtucket Area Bridges (53B)  
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R.I. Contract No. - 2016-CB-036  
FAP Nos: BRO-0550 (007)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
088	925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	PDAY			

**Distribution of Quantities**

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 R.I. Contract No. - 2016-CB-036  
 FAP Nos: BRO-0550 (007)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
092	932.0200	<b>FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT</b>	<b>LF</b>			
		BRIDGE NO. 965				
		BRIDGE NO. 965				
		DIVISION STREET (CBSET)				
		500+50 TO 500+70 RT (CBSET)		20.00	0031	01
		500+60 TO 500+80 LT (CBSET)		20.00	0031	01
		505+39 TO 505+97 RT (CBSET)		58.00	0031	01
		505+39 TO 507+10 LT (CBSET)		171.00	0031	01
		RIVER STREET (CBSET)				
		60+25 TO 60+52 RT (CBSET)		43.00	0031	01
		60+25 TO 60+70 LT (CBSET)		47.00	0031	01
		60+92 TO 61+68 LT (CBSET)		74.00	0031	01
		WATER STREET (CBSET)				
		TEMPORARY H.C. RAMPS (CBSET)		12.00	0031	01
<b>Item 932.0200 Total:</b>				<b>445.00</b>		
093	932.0230	<b>FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY</b>	<b>LF</b>			
		DIVISION STREET				
		500+70 TO 500+87 RT		23.00	0031	01
		500+77 TO 500+87 LT		15.00	0031	01
		505+29 TO 505+40 LT		14.00	0031	01
		505+29 TO 505+40 RT		14.00	0031	01
		WATER STREET				
		TEMPORARY H.C. RAMPS		18.00	0031	01
<b>Item 932.0230 Total:</b>				<b>84.00</b>		
094	935.0400	<b>REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING</b>	<b>SY</b>			
		BRIDGE NO. 965				
		BRIDGE APPROACHES		70.00	0014	02
		DIVISION STREET (PVMT3)				

**Distribution of Quantities**

Project Name - Pawtucket Area Bridges (53B)  
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 R.I. Contract No. - 2016-CB-036  
 FAP Nos: BRO-0550 (007)

<b>Item No.</b>	<b>Item Code</b>	<b>Description</b>	<b>UM</b>	<b>Qty.</b>	<b>Pay Code</b>	<b>Seq. No.</b>
094	935.0400 Cont.	@ RIVER STREET (PVMT3)		358.00	0031	01
		505+39 TO 507+50 (PVMT3)		838.00	0031	01

**Distribution of Quantities**

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 R.I. Contract No. - 2016-CB-036  
 FAP Nos: BRO-0550 (007)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
094	935.0400	Cont.				
				<b>Item 935.0400 Total:</b>	<b>1,266.00</b>	
095	936.0110	MOBILIZATION	LS			
		PROJECTWIDE				
		AS DIRECTED		1.00	0031	01
				<b>Item 936.0110 Total:</b>	<b>1.00</b>	
096	937.0200	MAINTENANCE AND MOVEMENT TRAFFIC	LS			
		PROTECTION				
		PROJECTWIDE				
		PER SPECIFICATION		1.00	0031	01
				<b>Item 937.0200 Total:</b>	<b>1.00</b>	
097	942.0200	DETECTABLE WARNING PANEL STANDARD	SF			
		48.1.0				
		DIVISION STREET (WLCHR)				
		507+18 LT (WLCHR)		8.00	0031	01
		507+50 LT (WLCHR)		8.00	0031	01
				<b>Item 942.0200 Total:</b>	<b>16.00</b>	
098	943.0200	TRAINEE MAN-HOURS	MHRS			
		PROJECTWIDE				
		ASDIRECTED		200.00	0031	01
				<b>Item 943.0200 Total:</b>	<b>200.00</b>	
099	L01.0102	LOAM BORROW 4 INCHES DEEP	SY			
		DIVISION STREET				
		505+00 TO 507+25 LT		3,000.00	0031	01
				<b>Item L01.0102 Total:</b>	<b>3,000.00</b>	
S100	L02.0102	RESIDENTIAL SEEDING (TYPE 2)	SY			
		DIVISION STREET				
		505+00 TO 507+25 LT		2,100.00	0031	01

**Distribution of Quantities**

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 R.I. Contract No. - 2016-CB-036  
 FAP Nos: BRO-0550 (007)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
111	L15.9905	Cont. 12' WIDE DOUBLE GATE				
		PLEASANT STREET				
		SE ABUTMENT		1.00	0031	01
<b>Item L15.9905 Total:</b>				<b>1.00</b>		
S112	T01.9901	DIVISION STREET PERIOD LIGHTING	EACH			
		ASSEMBLY				
		DIVISION STREET				
		STA 504+19, 14' RT			0031	01
		STA 505+27, 14' RT			0031	01
<b>Item T01.9901 Total:</b>					<b>**DELETED**</b>	
113	T15.0100	DIRECTIONAL REGULATORY AND WARNING SIGNS	SF			
		CD-ROAD				
		W4-1 (48"X48")		16.00	0031	01
		GEORGE STREET				
		M1-1 (24"X24") X 2		8.00	0031	01
		M1-4 (24"X24")		4.00	0031	01
		M3-1 (24"X12")		2.00	0031	01
		M3-3 (24"X12")		2.00	0031	01
		M4-5 (24"X12")		2.00	0031	01
		M5-1R (21"X15") X 2		4.38	0031	01
		M6-3 (21"X15")		2.19	0031	01
		PROJECTWIDE				
		AS DIRECTED BY ENGINEER		12.00	0031	01
		(ATTACH TO THE FENCES)				
		RIVER STREET				
		STA 60+35, 13' LT (R1-1)		6.25	0031	01
		ROUNDING				
		PROJECTWIDE		0.53	0031	01
		SCHOOL STREET				
		R1-2 (36"X36"X36")		3.90	0031	01

**Distribution of Quantities**

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 R.I. Contract No. - 2016-CB-036  
 FAP Nos: BRO-0550 (007)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
117	T20.2014 Cont.	MARKINGS YELLOW				
		DIVISION STREET				
		500+75 TO 507+60 CL		1,370.00	0031	01
				<b>Item T20.2014 Total:</b>	<b>1,370.00</b>	
118	701.0424	REINFORCED CONCRETE PIPE M 170	LF			
		CLASS III 24 INCH				
		DIVISION ST				
		505+00, 166' LT - 505+02,		12.00	0031	01
		157' LT				
		505+02, 151' LT - 505+05,		12.00	0031	01
		136' LT				
		505+05, 136' LT - 505+10,		12.00	0031	01
		122' LT				
		505+10, 122' LT - 505+27,		14.00	0031	01
		119' LT				
				<b>Item 701.0424 Total:</b>	<b>50.00</b>	
119	701.0430	REINFORCED CONCRETE PIPE M 170	LF			
		CLASS III 30 INCH				
		DIVISION ST				
		506+62, 134' LT - 507+13,		67.00	0031	01
		185' LT				
				<b>Item 701.0430 Total:</b>	<b>67.00</b>	
120	839.0100	PARTIAL-DEPTH REMOVAL AND DISPOSAL	SY			
		OF BITUMINOUS PAVEMENT FROM				
		CONCRETE BRIDGE DECKS				
		BRIDGE NO. 965				
		BRIDGE NO. 965		1,300.00	0014	02
				<b>Item 839.0100 Total:</b>	<b>1,300.00</b>	
121	926.0121	UNANCHORED PRECAST CONCRETE	LF			

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 FAP Nos: BRO-0550 (007)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
121	926.0121	Cont. BARRIER FOR TEMPORARY TRAFFIC				
		CONTROL STANDARD 40.5.0				
		TAFT ST				
		@NB		40.00	0031	01
		@SB		40.00	0031	01
				<b>Item 926.0121 Total:</b>		<b>80.00</b>
122	932.0110	TRANSVERSE PAVEMENT CUT AND MATCH	LF			
		STANDARD 47.1.1				
		DIVISION ST				
		500+76		22.00	0031	01
		505+39		33.00	0031	01
		507+60		47.00	0031	01
				<b>Item 932.0110 Total:</b>		<b>102.00</b>