

October 25, 2018

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7596711

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2018-CB-098

FEDERAL-AID PROJECT NO. FAP Nos: BHO-PRES(005), RST-CLAIM(132)

Bridge Group 06 - PVD

Providence, RI, from Route I-95 Ramp BD over US 6 W, Exchange St (Civic Center Interchange) to Smithfield Ave
over I-95.

CITY/TOWN OF Providence

COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 4 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. Bid opening Time

Bid opening time updated to 3 PM instead of 2 PM.

B. Specifications – Job Specific

1. JS-2(R-1) – JS-3(R-2)

Delete pages JS-2(R-1) and JS-3(R-2) in their entirety and replace with JS-2(R-2) and JS-3(R-3) attached to this Addendum No. 4. The index of job specific specifications has been revised.

2. JS-4 – JS-5

Delete pages JS-4 and JS-5 in their entirety and replace with JS-4(R-1) and JS-5(R-1) attached to this Addendum No. 4. Specification Code 105.02 Plans and Shop Drawings has been revised to clarify electronic submissions.

3. JS-12A – JS-12D

Add pages JS-12A – JS-12D in their entirety attached to this Addendum No. 4. Specification Code 109.04 Differing Site Conditions, Changes, Extra Work and Force Account Work has been added.

4. JS-13 – JS-14 (R-1)

Delete pages JS-13 and JS-14(R-1) in its entirety and replace with JS-13(R-1) and JS-14(R-2) attached to this Addendum No. 4. Page numbering has been revised and language added referencing additional pages.

5. JS-14A – JS-14E

Add pages JS-14A – JS-14E in their entirety attached to this Addendum No. 4. Additional references for invoicing have been added.

6. JS-21A

Add page JS-21A in its entirety attached to this Addendum No. 4. Specification Code 800.9902 Miscellaneous Bridge Repairs has been added.

7. JS-47C

Add page JS-47C in its entirety attached to this addendum No. 4. Specification Code 936 Mobilization has been added.

8. JS-49

Delete page JS-49 in its entirety and replace with JS-49(R-1) attached to this Addendum No. 4. Specification Code 938.1000 Price Adjustments has been revised.

9. JS-49A

Add page JS-49A in its entirety attached to this Addendum No. 4. Table: August 2018 Structural Steel & Rebar Base Prices for Contracts has been added to Specification Code 938.1000 Price Adjustments.

C. Distribution of Quantities

1. Index Pages

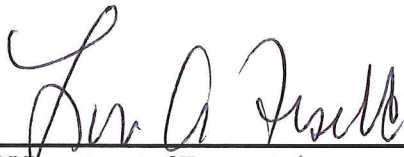
Delete page Index 1(R-1) and Index 2(R-1) in its entirety and replace with revised pages Index 1(R-2) and Index 2(R-2) attached to this Addendum No. 4. Items highlighted in bold have been reordered, added or deleted to the contract.

2. Page 13

Delete Page 13(R-1) in its entirety and replace with revised page 13(R-2) attached to this Addendum No. 4. Item code 401.9902 PAY ADJUSTMENTS has been deleted.

3. Page 14

Delete Page 14 in its entirety and replace with revised page 14(R-1) attached to this Addendum No. 4. Item code 800.9901 has been added.



RI Department of Transportation
Administrator, Division of Project Management

INDEX
SPECIFICATIONS - JOB SPECIFIC
RIC No. 2018 – CB-098

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
105.02	Plans and Shop Drawings	JS-4
105.14	Open Sections of Project to Traffic	JS-6
105.22	Request for Information	JS-7
108.03	Prosecution and Progress	JS-9
108.1000	Prosecution and Progress	JS-12
109.04	Differing Site Conditions, Changes, Extra Work and Force Account Work	JS-12A
109.06	Payment of Work	JS-13
109.07	Partial Payment of Lump Sum Items	JS-15
109.09	Acceptance and Final Payment	JS-16
212.2000	Cleaning And Maintenance of Erosion and Pollution Controls	JS-17
800.9901	Temporary Deck Underside and Side Protection Shielding	JS-18
800.9902	Miscellaneous Bridge Repairs	JS-21A
803.9901	Remove and Replace Existing Deck Joint	JS-22
817.9901	Repairs to Structural Concrete Masonry (Patching Mortar)	JS-25
817.9902	Repairs to Structural Concrete Masonry (Form and Cast-in-Place Concrete)	JS-26
820.9901	Concrete Surface Treatment (Protective Coating)	JS-28
820.9902 - 820.9905	High Pressure Water Cleaning – Bridge No. 709, 712, 713, and 849	JS-30
824.9901	Steel Girder Repairs Bridge No. 712	JS-33
Addendum No. 4		R-2

824.9971-824.9972	Temporary Traffic Plate Bridge No. 712 and Bridge No. 713	JS-35A
825.9901 – 825.9902	Repainting Existing Structural Steel – Bridge No. 712 (Full) and 849 (Zone)	JS-36
826.9903	Management of Pigeon Guano and Mixed Debris	JS-38
900.9921	Repair of Bridge Rail on Bridge 084901 Ramp BD	JS-40
907.1000	Dust Control	JS-43
928.9901	Truck Mounted Attenuator (TMA) With Truck Mounted Flashing Arrow Board (TMFAB)	JS-44
929.0110	Field Office	JS-47
934.9901	Field Control and Construction Layout	JS-47B
936	Mobilization	JS-47C
937.0200	Maintenance and Movement Traffic Protection	JS-48
938.1000	Price Adjustments	JS-49
943.0200	On-The-Job Training	JS-2
L09.9901	Selective Clearing	JS-6

CODE 105.02

PLANS AND SHOP DRAWINGS

105.02 PLANS AND SHOP DRAWINGS. Plans will show details of all structures, lines, grades, typical cross sections of the roadway, location and design of all structures and a summary of items appearing on the Proposal. Bridge plans will either show all dimensions and details necessary for complete construction or such information that when supplemented by additional field data gathered by the Contractor will enable the Contractor to prepare complete shop drawings.

The Contractor shall keep one set of Plans available at the site at all times, and shall provide approved shop drawings to the Engineer upon request.

All shop drawings will be submitted in a timely fashion such that the Contractor's approved schedule will not be adversely impacted by the submittal process. Shop drawings shall consist of such detailed plans required to control the work that are not included in the Plans furnished by the Department. They shall include, but not be limited to, stress sheets, erection plans, false work plans, sheeting plans, cofferdam plans, bending diagrams for reinforcing steel or any other supplementary plans or similar data required of the Contractor. All shop drawings submittals shall be complete, incorporating all associated components of work so affecting the item for which the shop drawing is submitted. The Contractor is solely responsible for the completeness of all submissions. Incomplete shop drawings will be returned to the Contractor for resubmission.

The Contractor shall submit shop drawings electronically to the Engineer and simultaneously to the Design Consultant of Record and RIDOT Project Manager. Shop drawings shall be accompanied by design computations, cuts from manufacturers' catalogs, and/or supporting technical bulletins. The submission shall be electronically by email in PDF format. The Design Consultant for this project is:

The Louis Berger Group, Inc.
117 Kendrick Street, Suite 400
Attn: John Fitzgerald, PE
jfitzgerald@louisberger.com
Needham, MA 02494
781-707-7485
Office Hours: 8:30 AM – 5:00 PM

Engineering shop drawings and design computations shall be stamped **only** by a Rhode Island Registered Professional Engineer. The stamping of Plans for professional design shall be in accordance with the applicable requirements of the Rhode Island Board of Registration for Professional Engineers, or other Boards of Professional Registration, as applicable. Within forty-five (45) calendar days of submission with the exception of critical submittals that are flagged as structural steel fabrication and erection shop drawings, reinforcing steel, concrete mix, as well as bearing assemblies as provided in Section 5 of the General Provisions/Contract Specific pages, all shop drawings shall be reviewed by the Engineer and returned to the Contractor for appropriate action. The forty-five (45) calendar day time frame starts with the

submission of the shop drawings by email to the Engineer. The Engineer shall review critical submittals within twenty eight (28) calendar days.

Shop drawings that are found to be erroneous, lacking information necessary to control construction, or not in conformance with accepted design criteria will be disapproved and returned to the Contractor. The Contractor shall address the Engineer's comments and resubmit revised shop drawings and/or design computations.

Shop drawings must be approved by the Engineer prior to commencement of the work involved. Such review and approval does not relieve the Contractor of any responsibility under the Contract for the successful completion of the work to the satisfaction of the Engineer. The Engineer's responsibility is solely for the limited purpose of reviewing and approving the shop drawings for general conformance with the design intent of the project and general compliance with the information given in the Contract Documents. The Contractor retains sole responsibility for the accuracy of calculations; for confirming and correlating all quantities and dimensions; for selecting fabrication processes and techniques of construction; for means and methods of construction; for coordinating work with all other work; and for performing all work in a safe and satisfactory manner. There shall be no claims for additional payment by the Contractor nor will there be an extension of the project Completion Dates for any corrective actions necessary as a result of shop drawing errors and omissions.

Each and every copy of the shop drawings and data shall bear the Contractor's stamp showing that they have been checked and that the Contractor has determined and verified all materials, field measurements and field construction criteria related thereto, and has checked and coordinated the information contained within this submittal with the requirements of the Contract Documents and as required with all trades and all public agencies involved. Sole responsibility for the shop drawings shall remain with the Contractor. Each of the Contractor's stamp shall be signed by the responsible authorized representative of the Contractor. Shop drawings submitted to the Engineer without the Contractor's stamp and signature will be considered incomplete and returned to the Contractor for conformance with this requirement.

There shall be no claims for additional payment by the Contractor, nor will there be an extension of the project Completion Dates for delays resulting from resubmissions due to incomplete shop drawings; for the time taken by the Contractor to submit revised shop drawings caused by an erroneous submission; or by a previous submission either lacking the information necessary to control construction; or for not conforming to accepted design criteria. In addition, the time taken by the Engineer to review the revised shop drawings will not constitute justification for an extension of the project Completion Dates.

The Contract price will include the cost of furnishing all shop drawings.

Remove **Subsection 109.04; Differing Site Conditions, Changes, Extra Work and Force Account Work**, pages 1-80 to 1-82 of the RI Standard Specifications for Road and Bridge Construction in its entirety with the following.

CODE 109.04

**DIFFERING SITE CONDITIONS, CHANGES, EXTRA WORK AND FORCE
ACCOUNT WORK**

**109.04 DIFFERING SITE CONDITIONS, CHANGES, EXTRA WORK AND FORCE
ACCOUNT WORK.**

- a. Methods of Payment.** Differing site conditions, changes, extra work, and significant changes in the character of the work, all performed in accordance with **SECTION 104; SCOPE OF WORK**, will be paid for in accordance with the following methods as appropriate:
1. Contract unit prices.
 2. Unit prices agreed upon in the order authorizing the work.
 3. An agreed upon lump sum amount.
 4. If directed by the Department, on a Force Account Basis to be compensated in the following manner:
 - i. Labor.** For all labor and foremen in direct charge of the specific operations, the Contractor shall receive the rate of wage actually paid as shown by its certified payroll, which rate shall be at least the prevailing rate of wage (or scale), for each and every hour that said labor and foremen are actually engaged in the work.

No part of the salary or expenses of anyone connected with the Contractor's forces above the grade of foreman, and having general supervision of the work, will be included in the labor item as specified above.

The Engineer reserves the right to determine the number and type of labor employed.

The Contractor shall receive the actual costs paid to, or in behalf of, workers by reason of subsistence and travel allowances, health and welfare benefits, pension fund benefits or other benefits, when such amounts are required by collective bargaining agreement or other

employment contract generally applicable to the classes of labor employed on the work.

An amount equal to 20 percent of the sum of the above items will also be paid to the Contractor.

ii. Bond, Insurance and Tax. For property damage and liability insurance premiums, unemployment insurance contributions, and social security taxes incurred on force account work, the Contractor shall receive the actual cost, to which a surcharge of 6-percent will be added. For Worker's Compensation Insurance Premiums, the Contractor shall receive the actual cost of the worker's compensation costs incurred, which shall be calculated net of all applicable credits, rebates, refunds and allowances. An additional surcharge will be added to the actual costs incurred. The surcharge amount is calculated from the Experience Modification Factor (MOD Factor) as follows:

1. For MOD Factors greater than 1.0, the surcharge shall be 6%.
2. For MOD Factors greater than 0.80 and less than or equal to 1.0, the surcharge shall be 8%.
3. For MOD Factors less than or equal to 0.80, the surcharge shall be 10%.

The Contractor shall furnish satisfactory evidence of the rate or rates paid for such bonds, insurances and taxes. In addition, the Contractor shall submit a copy of their Worker's Compensation policy showing the current MOD Factors.

iii. Materials. For materials accepted by the Engineer and used in the work, the Contractor shall receive the actual cost of such materials delivered to the site, including transportation charges paid (exclusive of machinery rentals as hereinafter set forth), to which cost a surcharge of 15 percent will be added. The Contractor will not be reimbursed for any penalty or carrying charge incurred due to late or delayed payment for materials used in the work.

iv. Equipment. For any machinery or special equipment (other than small tools) including transportation cost, the use of which has been authorized by the Engineer, the Contractor shall receive either the "hourly rental rates" as prescribed herein by the Department, or the actual documented cost plus an amount equal to 10 percent of said actual documented cost, whichever is less. Under no circumstance shall the payment exceed the replacement cost of the equipment.

All rental rates shall include the estimated operating cost as indicated for that equipment in either the Rental Rate Blue Book or the Rental Rate Blue Book for Older Equipment, including the Rate Adjustment Tables approved for projects wholly or partially funded by the Federal Highway Administration (FHWA). Operators' wages are not included in the estimated operating cost and are paid separately, except for certain specified equipment in which the operator's wages are included.

The "hourly rental rate" for an individual piece of equipment shall be determined by dividing the associated monthly rate, modified by the Rate Adjustment Tables, as contained in the Rental Rate Blue Book by one hundred seventy-six (176). There will be no adjustment to the hourly rate for the period of use.

For rented equipment, the cost shall be based on the actual documented cost plus an amount equal to 10-percent of said actual documented cost, subject to the conditions set forth below. The actual documented cost shall consist of the paid invoice for rented equipment plus other documented operating costs (i.e. fuel, maintenance, repairs, etc.).

Actual documented costs plus 10 percent of said costs shall not exceed the cost as calculated from the RENTAL RATE BLUE BOOK or the RENTAL RATE BLUE BOOK DOR OLDER CONSTRUCTION EQUIPMENT. The Contractor shall submit documentation for both the hourly rental rates and actual documented costs to determine that the actual documented costs plus 10 percent of said costs does not exceed the calculated rental rates costs. No percentage surcharges will be added to the "Blue Book" rates as prescribed herein for rented equipment.

For equipment which is already on the project, the rental period shall start when such equipment is ordered to work by the Engineer, and shall continue until ordered to stop work.

For equipment which has to be brought to the project specifically for use on force account work, the State will pay all loading and unloading costs, and all transportation costs to and from the project, including assembling and dismantling, provided; however, that the cost of return transportation shall not exceed that of moving the equipment to the project. Loading, unloading and transportation costs will not be paid if the equipment is used for work other than force account work while on the project. The rental period shall start at the time the equipment is ready for operation, and shall extend during the period of time the equipment is actually utilized on force account work. The rental period shall end when the equipment is released by the Engineer.

All equipment, including tracks, shall, in the judgement of the Engineer, be in good working condition and suitable for the purpose intended. The Engineer reserves the right to determine the number of units of the various

types of equipment to be employed on force account work. The manufacturer's model identification shall be the basis for identifying the type of equipment for payment purposes. Certification for the model year of the equipment will be required.

- v. **Subcontracting.** For work performed by a subcontractor, the Contractor shall accept as full payment therefore, an amount equal to the actual cost to the Contractor of such work performed by the subcontractor as determined by the Engineer, plus 10 percent of said cost.
- vi. **Miscellaneous.** No additional allowance will be made for general superintendence, the use of small tools, or other costs for which no specific allowance is herein provided.
- vii. **Compensation.** The Contractor's representative and the Engineer shall daily compare records of work completed on a force account basis. The Engineer will then prepare the daily work sheets and said sheets will be signed by the Contractor's representative no later than noon the next working day.
- viii. **Statements.** No payment will be made for work performed on a force account basis until the Contractor has furnished the Engineer with six copies of itemized statements of the cost of such work, incurred on a daily basis, and detailed as follows:
 - 1. Name, classification, date, daily hours, total hours, rate and extension for each laborer and foreman.
 - 2. Designation, dates, daily hours, total hours, rental rate, and extension for each unit of machinery and equipment.
 - 3. Quantities of materials, prices, and extensions.
 - 4. Transportation of materials.
 - 5. Cost of property damage, liability and worker's compensation insurance premiums, unemployment insurance contributions, and social security taxes.

Statements shall be accompanied and supported by certified payrolls, and receipted invoices for all materials used and transportation charges. However, if materials used on the force account work are not specifically purchased for such work but are taken from the Contractor's stock, then in lieu of the invoices, the Contractor shall furnish an affidavit certifying that such materials were taken from its stock, that the quantity claimed was actually used, and that the price and transportation claimed represent the actual cost to the Contractor.

Replace **Subsection 109.06, Partial Payments**, pages 1-83 to 1-84 of the RI Standard Specifications for Road and Bridge Construction in its entirety with the following.

CODE 109.06

PAYMENT FOR WORK

109.05 PAYMENT FOR WORK.

a. General. The Department will make payment for Work before the Project is accepted and final payment is made. These payments for Work will be processed via progress payments. In order to receive a payment for Work, the Contractor shall prepare an invoice in accordance with **Subsection 109.06** paragraph (c.), Invoice for Payment for Work. The Department may suspend progress payments if the Contractor does not comply with the Engineer's directions or written orders. The Department will notify the Contractor, whenever progress payments will be suspended.

Processing of progress payments for Work prior to the Department's acceptance and final payment of the Work does not constitute the Department's acceptance of the Work, and does not relieve the Contractor of responsibility for the Work which includes but is not limited to:

1. Protecting, repairing, correcting, maintaining, or renewing the Work where necessary to meet Contract requirements before acceptance.
2. Replacing or repairing all defective Work or materials used in the construction of the Work and repairing all damage to other work or materials whose damage is attributable to such defective Work or materials.
3. All defects or damage that the Engineer may discover on or before the engineer's acceptance and final payment of the Work. The Engineer is the sole judge of these defects or damage.

b. Frequency. The Department will make periodic progress payments in accordance with established Department procedures. Progress payments will be subject to a 5 percent retainage.

Retainage will be released incrementally in accordance with Subsection 105.17 and the Department's Release of Retainage Procedures.

c. Invoice for Payment for Work. The Contractor shall submit a weekly invoice for payment of Work completed. The Contractor shall utilize invoice forms supplied by 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. Within 30 days of receipt of such payment, the Contractor shall pay all retainage owed the subcontractor for accepted Work.

In accordance with the Standard Specification, the Contractor shall utilize the Request for Payment templates supplied by the Department. The following pages are a depiction of the templates.

REQUEST FOR PAYMENT

From: (Contractor Name) (Address) (City, State, Zip) To: DOT.Accounts@payable@dot.ri.gov
 RI DEPT OF TRANSPORTATION
 TWO CAPITOL HILL Room 230/Accounts Payable
 PROVIDENCE, RI 02903

Invoice: (Invoice #) (Enter #)
 PTSID # MM/DD/YYYY
 Invoice date: MM/DD/YYYY
 Period ending date: MM/DD/YYYY

Contract For: Insert Contract Name

Request for payment:

Original contract amount	\$ 346,320.00
Approved changes	\$ 75,000.00
Revised contract amount	\$ 421,320.00

Total Requested To date

Approved This period	\$ 26,310.00
Retainage This period	\$ 10,980.00
Approved for Payment This period	\$ 10,431.00

Total Retainage to date \$ 1,315.50
 Remaining Contract to bill \$ 395,010.00

Project: (Project Name) (Location(s))
 NTP: MM/DD/YYYY
 Contract Completion: MM/DD/YYYY
 Contract No.: RI 20_____
 ATT: Resident Engineer

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS	Y/N
Changes approved in previous months by Owner	\$ 65,200.00	\$ 5,200.00	
Total approved this month	\$ 15,000.00		
NET CHANGES by Change Order	TOTALS \$ 80,200.00	\$ 5,200.00	
		\$ 75,000.00	

Current Billing Requirements	
Detailed Invoice	
Certificates of Compliance	
Payrolls Received	
Subcontractor Payments	
EEO Certification	

I certify that, to the best of my knowledge, the Work performed and materials supplied under this invoice have been completed in accordance with the Contract (including all authorized changes). I certify that the payment requested in this invoice represents the actual value of the Work completed under the terms and requirements of the Contract (including all authorized changes). I understand that failure to notify the Resident Engineer/staff of any Work performed and included on this invoice will be considered null until adequate investigation/inspection by the State is completed and justified. I also certify that the Contractor (Contractor Name) has paid all subcontractors (by terms of their contracts) the amounts previously billed and paid by the owner. This certification is made in compliance with all federal and state laws and regulations for false statements including, but not limited, to 18 U.S.C. §1020, Fraud and False Statements, and 23 C.F.R. §635.119, False Statements. I am duly authorized to certify on behalf of (Contractor Name).

CONTRACTOR: (Contractor name) State Of RHODE ISLAND County Of PROVIDENCE

By: Subscribed and sworn to before me this _____ day of _____

Date: Notary Public My commission expires: _____

Attachment E-- Potential Extra Work

Project Name: R.I. Contract No.:		Contractor/Jobcontractor		RI Standard Specification Supporting Request for Extra Work		RI DOT Position		Date Issue Resolved		Change Order #		Item #		Amount Paid	
F.A.P. Nos.:		Name		Issue Description		Extra Work Value		Date Issue Resolved		Change Order #		Item #		Amount Paid	
Project Name: R.I. Contract No.:		Name		Issue Description		Extra Work Value		Date Issue Resolved		Change Order #		Item #		Amount Paid	
F.A.P. Nos.:		Name		Issue Description		Extra Work Value		Date Issue Resolved		Change Order #		Item #		Amount Paid	
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															

CODE 800.9902

MISCELLANEOUS BRIDGE REPAIRS

DESCRIPTION: This work shall consist of furnishing, fabricating, erecting, maintaining, removing, and disposing of materials and labor necessary to complete miscellaneous bridge repairs as directed by the Engineer. This specification provides a mechanism for the payment of work as directed by the Engineer.

METHOD OF MEASUREMENT: This work will be measured for payment by the numbers of each “Miscellaneous Bridge Repairs” complete and accepted in place by the Engineer.

BASIS OF PAYMENT: The quantity determined by the Engineer will be paid for at the contract unit price bid per each of “Miscellaneous Bridge Repairs” as listed in the proposal. The price so stated shall constitute full compensation for all labor, materials, equipment, tools, design and installation, and removal and disposal and all other incidentals required to finish the work, complete and accepted by the Engineer.

Remove **Subsection 936; Mobilization and Demobilization**, pages 9-70 to 9-71 of the RI Standard Specifications for Road and Bridge Construction in its entirety with the following.

CODE 936

MOBILIZATION

936.1 DESCRIPTION. This work consists of those efforts necessary for the movement of the Contractor's personnel and equipment to the project site and for the establishment of all the Contractor's field offices, buildings and other facilities required for the performance of the Contract.

936.2 MATERIALS. Not applicable.

936.3 CONSTRUCTION METHODS. Not applicable.

936.4 METHOD OF MEASUREMENT. This work will be measured for payment as follows:

- a. **First Payment.** The first payment of 50 percent of the lump sum bid price for Mobilization or 5 percent of the total contract amount without mobilization, whichever is the lesser, will be made on the first progress payment.
- b. **Second Payment.** The second payment of 35 percent of the lump sum price for Mobilization or 3.5 percent of the total contract amount without mobilization, whichever is the lesser, will be made when the progress payment estimate of the amount earned, not including that amount earned for mobilization, is 5 percent of the total contract amount without mobilization.
- c. **Third Payment.** The third payment of 15 percent of the lump sum price for Mobilization or 1.5 percent of the total contract amount without mobilization, whichever is the lesser, will be made when the progress payment estimate of the amount earned, not including that amount earned for mobilization, is 10 percent of the total contract amount without mobilization.
- d. **Final Payment.** Upon completion of all the work on the project, including demobilization, payment of any amount bid for Mobilization in excess of the total amount previously paid, will be paid.

936.5 BASIS OF PAYMENT. "Mobilization" will be paid for at the contract lump sum price as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment and other incidentals required to establish the Contractor's facilities at the site and, at the conclusion of the contract, for complete removal thereof.

No lump sum breakdown will be required for this item of work.

CODE 938.1000

PRICE ADJUSTMENTS

DESCRIPTION:

- a. **Liquid Asphalt Cement.** The Base Price of Liquid Asphalt Cement as required to implement **Subsection 938.03.1** of the Standard Specifications is \$550.00 per ton.
- b. **Diesel Fuel.** The Base Price of Diesel Fuel as required to implement **Subsection 938.03.2** of the Standard Specifications is \$2.3452 per gallon.
- c. **Steel.** The Base Price of Steel as required to implement **Subsection 938.03.3** of the Standard Specifications. The following page provides the base prices for structural steel and rebar for this Contract.

Date
 08-09-2018



August 2018 Structural Steel & Rebar Base Prices for Contracts

Note 1: This list goes into effect August 9, 2018 and will remain in effect until revised.

Note 2: This list supersedes and replaces any earlier list.

Note 3: This list is based on the 08-09-2018 August 2018 Worksheet.

ITEM NO.	DESCRIPTION	August-2018 PRICE		August-2018 PRICE	
		PER POUND	PER KILOGRAM	PER POUND	PER KILOGRAM
1	ASTM A615/A615M Grade 60 (AASHTO M31 Grade 420) Reinforcing Steel	\$ 0.36	\$ 0.80		
2	ASTM A27 (AASHTO M103) Steel Castings, H-Pile Points & Pipe Pile Shoes (See Note (1) below.)	\$ 0.49	\$ 1.09		
3	ASTM A668 / A668M (AASHTO M102) Steel Forgings	\$ 0.49	\$ 1.09		
4	ASTM A108 (AASHTO M169) Steel Forgings for Shear Studs	\$ 0.55	\$ 1.22		
5	ASTM A709/A709M Grade 36 / AASHTO M270M/M270 Grade 250 Structural Steel Plate	\$ 0.60	\$ 1.32		
6	ASTM A709/A709M Grade 36 / AASHTO M270M/M270 Grade 250 Structural Steel Shapes	\$ 0.42	\$ 0.94		
7	ASTM A709/A709M Grade 50 / AASHTO M270M/M270 Grade 345 Structural Steel Plate	\$ 0.53	\$ 1.16		
8	ASTM A709/A709M Grade 50 / AASHTO M270M/M270 Grade 345 Structural Steel Shapes	\$ 0.42	\$ 0.94		
9	ASTM A709/A709M Grade 50WT / AASHTO M270M/M270 Grade 345WT Structural Steel Plate	\$ 0.62	\$ 1.37		
10	ASTM A709/A709M Grade 50WT / AASHTO M270M/M270 Grade 345WT Structural Steel Shapes	\$ 0.47	\$ 1.04		
11	ASTM A709/A709M Grade 50W / AASHTO M270M/M270 Grade 345W Structural Steel Plate	\$ 0.56	\$ 1.24		
12	ASTM A709/A709M Grade 50W / AASHTO M270M/M270 Grade 345W Structural Steel Shapes	\$ 0.44	\$ 0.96		
13	ASTM A709/A709M Grade HPS 50W / AASHTO M270M/M270 Grade HPS 345W Structural Steel Plate	\$ 0.63	\$ 1.40		
14	ASTM A709/A709M Grade HPS 50W / AASHTO M270M/M270 Grade HPS 345W Structural Steel Shapes	\$ 0.67	\$ 1.48		
15	ASTM A514/A514M-05 Grade HPS 100W / AASHTO M270M/M270 Grade HPS 485W Structural Steel Plate	\$ 1.02	\$ 2.25		
16	ASTM A276 Type 316 Stainless Steel	\$ 3.03	\$ 6.69		
17	ASTM A240 Type 316 Stainless Steel	\$ 3.03	\$ 6.69		
18	ASTM A148 Grade 80/50 Steel Castings (See Note (1) below.)	\$ 1.05	\$ 2.32		
19	AASHTO M270M/M270 Grade 345W Structural Steel Plate - same as Item #11.	Same as Item #11.			
20	AASHTO M270M/M270 Grade HPS 345W Structural Steel Plate - same as Item #13.	Same as Item #13.			
21	AASHTO M270M/M270 Grade 250 Structural Steel Plate - same as Item #5.	Same as Item #5.			
22	ASTM A53 Grade B Structural Steel Pipe	\$ 0.67	\$ 1.49		
23	ASTM A500 Grades A, B, 36 & 50 Structural Steel Pipe	\$ 0.67	\$ 1.49		
24	ASTM A252, Grades 240 (36 KSI) & 414 (60 KSI) Pipe Pile	\$ 0.52	\$ 1.15		
25	ASTM 252, Grade 2 Permanent Steel Casing	\$ 0.52	\$ 1.15		
26	ASTM A36 (AASHTO M183) H-piles, steel supports and sign supports	\$ 0.45	\$ 1.00		
27	ASTM A328 / A328M, Grade 50 (AASHTO M202) Steel Sheetpiling	\$ 1.00	\$ 2.20		
28	ASTM A572 / A572M, Grade 50 Sheetpiling	\$ 0.99	\$ 2.19		
29	ASTM A36/36M, Grade 50	\$ 0.59	\$ 1.29		
30	ASTM A570, Grade 50	\$ 0.58	\$ 1.28		
31	ASTM A572 (AASHTO M223), Grade 50 H-Piles	\$ 0.43	\$ 0.95		
32	ASTM A1085 Grade A (50 KSI) Steel Hollow Structural Sections (HSS), heat-treated per ASTM A1085 Supplement S1	\$ 0.68	\$ 1.50		

NOTES:

(1) Steel Castings are generally used only on moveable bridges. Cast iron frames, grates and pipe are not "steel" castings and will not be considered for price adjustments.

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 06 - PVD
 Estimate Name - Addendum No.4
 R.I. Contract No. - 2018-CB-098
 FAP Nos: BHO-PRES(005), RST-CLAIM(132)

ItemCode	Description	Page
401.9901	MODIFIED CLASS 9.5 HMA FOR BRIDGE DECKS	
Cont.		
	REMOVE AND REPLACE EXISTING DECK JOINT	
	REPAIRS TO STRUCTURAL CONCRETE MASONRY (PATCHING MORTAR)	
817.2140	REPAIRS TO STRUCTURAL CONCRETE MASONRY FORM AND CAST IN PLACE	1
818.2010	PORTLAND CEMENT CONCRETE DECK REPAIRS (FULL DEPTH REMOVAL)	2
818.2020	PORTLAND CEMENT CONCRETE DECK REPAIRS (PARTIAL DEPTH REMOVAL)	2
820.0110	CONCRETE SURFACE TREATMENT (PROTECTIVE COATING)	3
820.9902	HIGH PRESSURE WATER CLEANING - BRIDGE 709	3
824.9901	STEEL GIRDER REPAIRS	3
825.9901	REPAINTING EXISTING STRUCTURAL STEEL - (FULL)	4
825.9902	REPAINTING EXISTING STRUCTURAL STEEL - (ZONE)	4
826.0100	CONTAINMENT, COLLECTION, STORAGE AND DISPOSAL OF DEBRIS AND SPENT MATERIALS	4
826.0200	PERSONNEL PROTECTION DURING PAINTING AND CLEANING OPERATIONS	4
836.0100	** ITEM DELETED **	4
839.0100	PARTIAL-DEPTH REMOVAL AND DISPOSAL OF BITUMINOUS PAVEMENT FROM CONCRETE BRIDGE DECKS	5
900.9921	REPAIR OF BRIDGE RAIL ON BRIDGE 084091 RAMP BD	5
923.0105	DRUM BARRICADE STANDARD 26.2.0	5
923.0125	PLASTIC PIPE TYPE III BARRICADE STANDARD 26.3.1	6
924.0113	ADVANCE WARNING ARROW PANEL	6
936.0110	MOBILIZATION	6
937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	6
L09.0106	** ITEM DELETED **	7
T15.0100	DIRECTIONAL REGULATORY AND WARNING SIGNS	7
T16.0300	GROUND MOUNTED PRIMARY DIRECTIONAL SIGN POST-STEEL BREAKAWAY	7
T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	7
T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	7
T20.2016	6 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	8
201.0402	REMOVE AND DISPOSE CONCRETE CURB	8
401.3005	CLASS 9.5 HMA FOR MISCELLANEOUS WORK	8
403.0300	ASPHALT EMULSION TACK COAT	8
803.0300	PARTIAL REMOVAL AND DISPOSAL OF EXISTING CONCRETE MASONRY	8
808.1200	CONCRETE SUPERSTRUCTURE CLASS HP 3/4''	9
810.0300	EPOXY COATED BARS GRADE 60	9
819.0800	DRILL AND GROUT REINFORCING DOWELS	9
823.1760	STRIP SEAL EXPANSION JOINT ASSEMBLIES	9
824.9971	TEMPORARY TRAFFIC PLATE BRIDGE 712	10
824.9972	TEMPORARY TRAFFIC PLACE BRIDGE 713	10
903.0410	TEMPORARY CHAIN LINK FENCE	10
906.0210	CEMENT CONCRETE CURB PRECAST STRAIGHT STANDARD 7.1.0	10
906.0211	CEMENT CONCRETE CURB PRECAST CIRCULAR STANDARD 7.1.0	10
914.5010	FLAGPERSONS	11
914.5020	FLAGPERSONS - OVERTIME	11
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	11
923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	11
925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	11
928.9901	TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW	12
929.0110	FIELD OFFICE	12

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 06 - PVD
 Estimate Name - Addendum No.4
 R.I. Contract No. - 2018-CB-098
 FAP Nos: BHO-PRES(005), RST-CLAIM(132)

ItemCode	Description	Page
932.0100	CUTTING AND MATCHING ASPHALT	12
932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	13
935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	13
L09.9901	SELECTIVE CLEARING	13
401.9902	** ITEM DELETED **	13
820.9903	HIGH PRESSURE WATER CLEANING - BRIDGE 712	14
820.9904	HIGH PRESSURE WATER CLEANING - BRIDGE 713	14
820.9905	HIGH PRESSURE WATER CLEANING - BRIDGE 849	14
821.1690	SAW & SEALING JOINTS IN BITUMINOUS CONCRETE PAVEMENT	14
800.9901	MISCELLANEOUS BRIDGE REPAIRS	14

Distribution of Quantities

Project Name - Bridge Group 06 - PVD
 Estimate Name - Addendum No.4
 R.I. Contract No. - 2018-CB-098
 FAP Nos: BHO-PRES(005), RST-CLAIM(132)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
049	932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	LF			
		BRIDGE 709				
		709		100.00	0014	01
		BRIDGE 712				
		712		100.00	0014	01
		BRIDGE 713				
		713		100.00	0014	01
Item 932.0200 Total:				300.00		
050	935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	SY			
		BRIDGE 709				
		709		320.00	0014	01
		BRIDGE 712				
		712		500.00	0014	01
		BRIDGE 713				
		713		700.00	0014	01
Item 935.0400 Total:				1,520.00		
051	L09.9901	SELECTIVE CLEARING	LS			
		BRIDGE 710				
		710		1.00	0014	01
		BRIDGE 710				
		710		0.33	0014	01
		BRIDGE 715				
		715		0.33	0014	01
		BRIDGE 716				
		716		0.34	0014	01
Item L09.9901 Total:				1.00		
052	401.9902	PAY ADJUSTMENTS PROJECT WIDE	EACH			

Distribution of Quantities

Project Name - Bridge Group 06 - PVD
 Estimate Name - Addendum No.4
 R.I. Contract No. - 2018-CB-098
 FAP Nos: BHO-PRES(005), RST-CLAIM(132)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
052	401.9902 Cont.	PROJECT WIDE			0014	01
Item 401.9902 Total:				**DELETED**		
053	820.9903	HIGH PRESSURE WATER CLEANING - BRIDGE 712	LS			
		BRIDGE 712				
		712		1.00	0014	01
Item 820.9903 Total:				1.00		
054	820.9904	HIGH PRESSURE WATER CLEANING - BRIDGE 713	LS			
		BRIDGE 713				
		713		1.00	0014	01
Item 820.9904 Total:				1.00		
055	820.9905	HIGH PRESSURE WATER CLEANING - BRIDGE 849	LS			
		BRIDGE 849				
		849		1.00	0014	01
Item 820.9905 Total:				1.00		
056	821.1690	SAW & SEALING JOINTS IN BITUMINOUS CONCRETE PAVEMENT	LF			
		BRIDGE 709				
		709		140.00	0014	01
		BRIDGE 713				
		713		140.00	0014	01
Item 821.1690 Total:				280.00		
057	800.9901	MISCELLANEOUS BRIDGE REPAIRS	EACH			
		MISC BRIDGE REPAIRS				
		PROJECT WIDE		150,000.00	0014	01
Item 800.9901 Total:				150,000.00		