

STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO. 2025-CB-031
FEDERAL-AID PROJECT NOS.
BRO-0963(001) & 3RD-PRTY(365)

WOONSOCKET CORRIDOR

Replacement of Privilege Street Bridge, No. 096301

Rehabilitation of Diamond Hill Road Bridge, No. 095401

Preservation of Mill Street Bridge No. 068801, Blackstone Street Bridge No.
093901, and Wood Avenue Bridge No. 095301

Reconstruction of Diamond Hill Road, STA 300+50 – 314+05 and
STA 315+05 – 334+95

Resurfacing of Social Street, STA 15+00 – 74+87 (Main St to Ethel St)

City of Woonsocket
County of Providence
Rhode Island

GENERAL PROVISIONS - JOB SPECIFIC

GM2 Associates, Inc.
Pawtucket, Rhode Island

August 2025

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SPECIFICATIONS – JOB SPECIFIC

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RHODE ISLAND DIESEL EMISSIONS REDUCTION PROGRAM

The Rhode Island Department of Transportation (RIDOT) is conducting a Program in accordance with the Environmental Protection Agency's (EPA) National Clean Diesel Campaign (NCDC) initiative to reduce pollution from diesel engines throughout the country, including vehicles on highways, city streets, construction sites, and ports.

The Program is necessary in order to achieve the pressing public health and environmental goals outlined Chapter 31-47.3 of the Rhode Island General Laws entitled "The Diesel Emissions Reduction Act". This act shall be known and may be cited as "An Act Concerning Government Responsibility To Protect Public Health From Diesel Pollution.", which aims to reduce emissions from diesel engines through an anti-idling program, ultra-low sulfur diesel use requirements, and retrofitting school buses and construction equipment with filters that reduce emissions up to 90%.

STATEMENT OF INTENT TO COMPLY

State Agency: Rhode Island Department of Transportation **RIC No.:** _____

Project: _____ **County/State:** _____/Rhode Island

Contractor: _____

The undersigned, on behalf of the above-named Contractor, agrees to comply with Chapter 31-47.3 of the Rhode Island General Laws entitled “The Rhode Island Diesel Emissions Reduction Act”, and associated specifications by having designated on-road and non-road (non-registered) diesel vehicles/equipment used on the project be retrofitted with a designated emissions reduction device/s.

(Signature of Contractor's Authorized Representative)

(Date)

SECTION 106.01.1

Buy America Job Specification (BABA)

Remove Section 106.01.1 from the RIDOT Standard Specifications for Road & Bridge Construction, February 2025 in its entirety and replace with:

Introduction:

While existing Buy America requirements previously applied to iron, steel, and certain manufactured goods, the Infrastructure Investment and Jobs Act (IIJA) expands requirements to include all manufactured products and construction materials in construction contracts that include Federal Aid funding in the construction phase. Additional information available in 23 CFR 635.410 Buy America and it's Q&A at [FHWA's Buy America Q and A for Federal-aid Program - Buy America - Contract Administration - Construction - Federal Highway Administration \(dot.gov\) \[fhwa.dot.gov\]](https://www.fhwa.dot.gov/contractadmin/buyamerica/qanda/)

Purpose:

Provide materials from domestic sources when products are permanently incorporated into the work.

Ensure all manufacturing processes, including applications of coatings, occur in the United States. A coating includes all processes required to apply the coating to a product to protect or enhance the value of the product. The requirements of this JS are not applicable to equipment, tools, and temporary items, including materials left in place at the Contractor's convenience.

Certifications:

All certifications are submitted by the prime Contractor. When submitting certifications for materials that are subject to the requirements of this specification, the certification shall be on Form provided by the Department.

Determination of Material Category:

- **Foreign or Uncertified Products.**
Buy America does not apply to minimal use of steel/iron materials provided that the total cost of all foreign source items used in the contract, as delivered to the project site, is less than \$2500 or one-tenth-of-one percent of the total contract amount, whichever is greater.

The total value is that shown to be the cost of the steel and iron products as delivered to the project site. Contractor to keep a log of foreign source items to ensure that the minimal use threshold is not exceeded during the life of the contract

- **Manufactured Products**
Provide manufactured products produced in the United States. A manufactured product is acceptable under this provision if:
The manufactured product was manufactured in the United States; and
The cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product.
- **Construction Materials**
The category of construction materials excludes cement and cementitious materials, aggregates such as stone, sand, or gravel, or aggregate binding agents or additives.

Construction materials are materials that consist primarily of:

- Non-ferrous metals.
- plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables);
- glass (including optic glass);
- lumber; or
- drywall.

Waivers:

The Contractor may submit a waiver request to the department using RIDOT procedures and form provided in the PMP document management folder. The form must reflect a detailed justification for the use of goods, products, or materials mined, produced, or manufactured outside the United States and including copies of all documentation verifying the unavailability of the material or product.

The Department will submit approved waiver requests to FHWA for review. The Contractor shall investigate and respond to any public comments made to the FHWA Office of Program Administration, indicating that a domestic supplier cannot provide the material for which a waiver has been requested. Final approval of the Buy America Waiver request will be made by the Administrator, Federal Highway Administration. The waiver will be effective the date following publication in the Federal Register.

Contractor fully understands there is no guarantee a waiver request will be approved. Any contract delays caused by this waiver process will be the sole responsibility of the contractor.

The contractor shall be responsible for all cost associated with any of the construction materials that are permanently incorporated into the project that does not meet the requirements of this Special Provision without prior written approval from the Department, up to and including removal and replacement.

The Contractor may submit a waiver request to the department during construction:

1. Determine which type of the three waivers applies.
 - Public Interest Waiver: applying the domestic content procurement preference would be inconsistent with the public interest. A waiver in the public interest may be appropriate where the approving federal agency determines that other important policy goals cannot be achieved consistent with the IIJA requirements, and the proposed waiver would not meet the requirements for a nonavailability or unreasonable cost waiver.
 - Nonavailability Waiver: for types of iron, steel, manufactured products, or construction materials that are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality.
 - Unreasonable cost waiver: the inclusion of iron, steel, manufactured products, or construction materials produced in the United States will increase the cost of the overall project by more than 25 percent. Provide documentation that no domestic alternatives are available within this cost parameter. Document in the waiver a comparison of the cost of the domestic product to the cost of the foreign product or a comparison of the overall cost of the project with domestic products to the overall cost of the project with foreign-origin products.
2. Contractor shall prepare waiver documentation including waiver form provided by RIDOT; located in the PMP portal and submit to the Department's Project Manager with a cc: to the Construction Manager (RE)
3. RIDOT/Project Manager to Submit waiver to Federal Highway Division.
4. Federal Highway Division submits the waiver to the Made in America Office. All waivers have to be submitted by Federal agencies to the Made in America Office. Project specific waivers require a minimum of 15 calendar day public comment period. General applicability waivers are subject to a minimum 30 calendar day public comment period. Federal agencies are responsible for performing due diligence and approving or rejecting waivers.

**SECTION 108.1000
PROSECUTION AND PROGRESS**

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

- Interim Completion Privilege St Br. 0963 Phase 1 (Open to Traffic): The following fine/charge for not completing contract work according to Section 101.89 by **September 29, 2026** is **\$1,950.00** per day.
- Substantial Completion: The following fine/charge for not completing contract work according to Section 101.89 by **August 30, 2027** is **\$2,350.00** per day.
- Final Acceptance: All Contract work shall be completed as defined by Section 105.18 by **May 29, 2028**, or a Daily Charge will be deducted from any money due in the amount of **\$2,350.00** per calendar day.

**CODE 207.99
CONTROL OF WATER**

DESCRIPTION.

This work includes designing, installing, maintaining, and subsequent removal of temporary water control systems for diverting the river flow to maintain a dry work area as required during construction at the locations shown on the Plans.

Work will only be allowed in the water within the low flow period between July 1st and October 31st of any year. No materials shall be placed until after July 1st and all materials shall be removed in their entirety prior to October 31st. Should construction activities span multiple construction seasons, all materials and equipment are required to be removed in their entirety between construction seasons in compliance with the aforementioned date restrictions.

MATERIALS.

Materials are to be chosen by the Contractor but, in general, shall conform to the applicable requirements of the RI Standard Specifications.

CONSTRUCTION METHODS.

The Contractor is responsible for the means and methods for controlling the water although driving of sheeting in the waterway or utilizing other invasive methods will not be permitted. Proposed methods shall not extend beyond the limits of disturbance shown on the Plans.

The Contractor is responsible for the design of the control of water system. Submit complete design drawings, computations, and layout drawings for the system. Prepare all drawings and computations, stamped by a Rhode Island Registered Professional Engineer. Submit Shop Drawings that conform to Subsection 105.02. No work shall commence until such submission is approved by the Engineer.

METHOD OF MEASUREMENT.

This work will not be measured separately for payment.

BASIS OF PAYMENT.

No separate payment will be made for this work. Payment will be included with the payment for the various appropriate items of work for which it is required, as listed in the Proposal.

**CODE 701
WATER UTILITIES**

1. DESCRIPTION:

This work consists of installing pipe for water mains and services. The work includes all necessary relocation work, hydrants, water valves, service connections, capping of abandoned mains, testing and disinfection of new permanent water mains and service connections, as indicated on the Plans and accepted by the Engineer.

2. MATERIALS:

Material shall be in accordance with the Woonsocket Water Department Rules and Regulations.

3. SUBMITTALS:

3.01 Shop Drawings. The Contractor shall provide shop drawings, manufacturer specifications, for water main pipes, fittings, valves and all accessory.

3.02 Regulatory Requirements. Perform work in accordance with Woonsocket Water Department and Rhode Island Department of Health Rules and Regulations.

4. CONSTRUCTION METHODS:

4.01 Construction methods shall conform to Part 200, Section 205 and Part 700, and Woonsocket Water Department Rules and Regulations.

5. METHOD OF MEASUREMENT:

5.01 Water Pipe and Service Connections. Pipe of the various types and sizes indicated on the Plans will be measured by the number of linear feet of continuous runs of such pipe actually installed in accordance with the Plans and/or directed by the Engineer. No deductions will be made for the length of valves or fittings in the water lines.

5.02 Hydrants and Gate Valves. Hydrants and gate valves of the various types and sizes indicated on the Plans will be measured by the number of hydrants or gate valves actually installed in accordance with the Plans and/or directed by the Engineer.

5.03 Concrete Thrust Blocks. Thrust Blocks of the various types and sizes indicated on the Plans will be measured by the cubic yard of concrete actually installed in accordance with the Plans and/or directed by the Engineer.

5.04 Testing and Sterilization. Testing and sterilization does not require a measurement for payment.

6. BASIS OF PAYMENT:

6.01 Payment for Water Pipe. The accepted quantities of the various types and sizes of water pipe indicated on the Plans will be paid for at the respective contract unit price per linear foot as listed in the Proposal. The price so-stated constitutes full and complete compensation for all trench excavation (except for rock excavation) including dewatering and earth support systems to the depths indicated on the plans, for furnishing and installing all pipe, plugs, fittings (all types), couplings (all types), pipe restraints, temporary bituminous patch, removal and disposal of temporary patch, adaptors and other materials required to build the pipelines and connect to existing mains; for bedding materials, installing warning/locator tape, sawcut of pavement, for capping abandoned water pipe, for backfill and compaction, for disposal of **all** excess excavated materials, disinfection and pressure testing, and for all labor, materials and equipment other incidentals required to finish the work, complete and accepted by the Engineer.

No additional compensation will be made for any additional tests or sterilization operations required due to leaks or non-compliant sterilization tests resulting from the Contractors work.

6.02 Payment for Water Service Connections, All Sizes. The accepted quantities of the various types and sizes of water service connection pipe indicated on the Plans will be paid for at the respective contract unit price per linear foot as listed in the Proposal. The price so-stated constitutes full and complete compensation for all trench excavation (except for rock excavation) including dewatering and earth support systems to the depths indicated on the plans, for furnishing and installing all pipe, plugs, fittings (all types), couplings (all types), pipe restraints, saddles, corporation stops, curb stops, cast iron curb boxes, extension rods, and adaptors and other materials required to build the service connections and connect to existing mains; for bedding materials, temporary bituminous patch, removal and disposal of temporary patch, installing warning/locator tape, sawcut of pavement, for capping abandoned water pipe, for backfill and compaction, for disposal of **all** excess excavated materials, for temporary support and bracing of existing utility poles, and for all labor, materials and equipment other incidentals required to finish the work, complete and accepted by the Engineer.

No separate payment will be made if water service connections are removed to facilitate utility trench excavations. Splicing of water services will not be allowed. If the Contractor removes a water service to facilitate work, the entire water service connection shall be replace from curb box to corporation valve.

6.03 Payment for Hydrants and Gate Valves. The accepted quantity of “Hydrants” and “Gate Valves” will be paid for at the contract unit price per each such unit as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment, including excavation, backfill, compaction, piping, plugs, testing, thrust blocks, temporary bituminous patch, removal and disposal of temporary patch, bedding materials and all other incidentals required to finish the work, complete and accepted by the Engineer and the water company.

6.04 Payment for Concrete Thrust Blocks. The accepted quantity of "Concrete" used for thrust will be paid for at their respective contract unit prices per cubic yard as listed in the Proposal. The prices so-stated constitute full and complete compensation for all labor, materials, and equipment, and all other incidentals required to finish the work, complete and accepted by the Engineer.

END OF SECTION

CODE 701.9999
WOONSOCKET WATER IMPROVEMENTS

All waterline work depicted on the Plans shall be performed in accordance with The Woonsocket Water Department, General Specifications for Installation of Water Mains, including all errata and details (a copy of which is provided in the CS Pages **Appendix, Woonsocket Water Specifications**) and the following job specific specifications provided in the Job Specific Section of these specifications.

701. – Water Utilities

Any Code 701. items of work not specifically defined in any of the Woonsocket Water Department documentation shall be performed in accordance with the February 2025 Edition of the R.I. Department of Transportation Standard Specifications for Road and Bridge Construction, including all amendments and revisions and the Contract Specifications.

CODE 711.9901 LINED SAND FILTER SYSTEM (BMP-1)

DESCRIPTION. This item of work consists of the work actions required to prepare the site for subsequent construction operations, multiple standard RIDOT bid items of work, and job specific items of work required for the construction of the lined sand filter system (BMP-1). This item of work includes the new sand filter system, sediment forebay, etc. as shown on the project plans, completed to the satisfaction of the Engineer.

- Item Code 202.0100 Earth Excavation
- Item Code 204. Trimming and Fine Grading
- Item Code 206.0222 Surface Erosion Control Matting
- Item Code 206.0301 Compost Filter Sock
- Item Code 207.0210 Stone Check Dam
- Item Code 703. PVC Drainage Pipe
- Item Code 703. Filter Fabric
- Item Code 703. Crushed Stone (M01.07 Filter Stone)
- Item Code 703. Impermeable HDPE Liner
- Item Code 716. Open Cell Concrete Block Pavers
- Item Code L01.0104 Plantable Soils
- Item Code L01.9901 Concrete Sand Media
- Item Code L02.0107 Seeding
- Item Code L05.0505 Erosion Control Blanket

MATERIALS. Materials shall be in conformance with the applicable sections of the Rhode Island Standard Specifications for Road and Bridge Construction, August 2024, with all revisions and special provisions included in this contract are listed below:

- Section 201 Site Preparation
- Section 202 Excavation and Embankment
- Section 204 Trimming and Fine Grading
- Section 206 Perimeter Erosion Controls
- Section 207 Check Dams
- Section 703 Underdrains and Combination Drains
- Section 716 Open Cell Concrete Block
- Section L01 Loam, Plantable Soil, or High Organic Soil
- Section L02 Seeding
- Section L05 Seed Stabilizers
- Section M01 Borrow and Aggregates
- Section M04 Drainage and Stormwater

CONSTRUCTION METHODS. Construction shall be in accordance with the applicable sections of the Rhode Island Standard Specifications for Road and Bridge Construction, August 2024, with all revisions and are listed below:

- Section 201 Site Preparation
- Section 202 Excavation and Embankment
- Section 204 Trimming and Fine Grading
- Section 206 Perimeter Erosion Controls
- Section 207 Check Dams
- Section 703 Underdrains and Combination Drains
- Section 716 Open Cell Concrete Block
- Section L01 Loam, Plantable Soil, or High Organic Soil
- Section L02 Seeding
- Section L05 Seed Stabilizers

METHOD OF MEASUREMENT. These items do not require a measurement of payment.

BASIS OF PAYMENT. The accepted quantity of “Lined Sand Filter System (BMP-1)” will be paid for at the contract unit bid price per lump sum as listed in the proposal. The price so-stated constitutes full and complete compensation for all the RIDOT standard and job-specific items listed previously in this specification including, Concrete Sand Media, Trimming and Fine Grading, PVC Drainage Pipe, Filter Fabric, Crushed Stone, Impermeable HDPE Liner, Open Cell Concrete Block, and all other incidentals required to finish the work, complete in place and accepted by Engineer.

Payment will only be considered for completed stormwater practice in place, approved and accepted by the Engineer.

CODE 711.9902 SUBSURFACE INFILTRATION SYSTEMS

DESCRIPTION. This item of work consists of the work actions required to prepare the site for subsequent construction operations, multiple standard RIDOT bid items of work, and job specific items of work required for the construction of subsurface infiltration systems. This item of work includes the new catch basins, subdrain systems, cleanouts, handholes, etc. as shown on the project plans, completed to the satisfaction of the Engineer.

- Item Code 202.0100 Earth Excavation
- Item Code 206.0301 Compost Filter Sock
- Item Code 701.8010 Drainage Structure Hood
- Item Code 702.0502 Frame and Cover
- Item Code 702.0529 Inlet Stone
- Item Code 702.1000 Manhole, Catch Basin, or Drop Inlet Assembly
- Item Code 703. PVC Drainage Pipe
- Item Code 703. Filter Fabric
- Item Code 703. Crushed Stone (M01.07 Filter Stone)
- Item Code 703. Impermeable HDPE Liner
- Item Code T05.0101 Handholes

MATERIALS. Materials shall be in conformance with the applicable sections of the Rhode Island Standard Specifications for Road and Bridge Construction, August 2024, with all revisions and special provisions included in this contract are listed below:

- Section 201 Site Preparation
- Section 202 Excavation and Embankment
- Section 206 Perimeter Erosion Controls
- Section 701 Pipe Culverts and Storm Drains
- Section 702 Manholes, Inlets, and Catch Basins
- Section 703 Underdrains and Combination Drains
- Section M01 Borrow and Aggregates
- Section M04 Drainage and Stormwater
- Section T05 Handholes and Pull Boxes

CONSTRUCTION METHODS. Construction shall be in accordance with the applicable sections of the Rhode Island Standard Specifications for Road and Bridge Construction, August 2024, with all revisions and are listed below:

- Section 201 Site Preparation
- Section 202 Excavation and Embankment
- Section 206 Perimeter Erosion Controls
- Section 701 Pipe Culverts and Storm Drains

- Section 702 Manholes, Inlets, and Catch Basins
- Section 703 Underdrains and Combination Drains
- Section M01 Borrow and Aggregates
- Section M04 Drainage and Stormwater
- Section T05 Handholes and Pull Boxes

METHOD OF MEASUREMENT. “Subsurface Infiltration Systems” will be measured by the number of complete systems installed.

BASIS OF PAYMENT. The accepted quantity of “Subsurface Infiltration Systems” will be paid for at the contract unit bid price per each as listed in the proposal. The price so-stated constitutes full and complete compensation for all the RIDOT standard and job-specific items listed previously in this specification including, PVC Drainage Pipe, Filter Fabric, Crushed Stone, Impermeable HDPE Liner, and all other incidentals required to finish the work, complete in place and accepted by Engineer.

Payment will only be considered for completed stormwater practice in place, approved and accepted by the Engineer.

CODE 800.9901
CONTROL OF WATER

DESCRIPTION.

This work shall be in accordance with the relevant provisions of Part 800 of the RI Standard Specifications and includes the design, construction, maintenance, and ultimate removal of such flow diversions, barriers or other protective facilities as necessary for the conduction of water for the successful construction of the concrete repairs and riprap installation.

Determine the need and extent of sedimentation basins, dewatering techniques, and sedimentation controls required to control water and sediments at the various bridge sites.

Prior to executing dewatering operations, submit working drawings, calculations, and the methods and materials proposed to be used for the Engineer's approval.

Approval of the working drawings does not relieve the Contractor of the responsibility of providing for the safely and successful completion of the work.

Drawings and calculations for the dewatering measures shall be prepared by a Professional Engineer registered in Rhode Island. No work shall commence until the drawings and calculations are approved by the Engineer.

The Contractor is advised that the effectiveness of the water control method used will vary based upon the field conditions and the time at which the actual work is being performed. The Engineer has the right to order the Contractor to stop all operations when in his/her judgement the Contractor's water control operations are failing to produce adequate results or are posing a threat to the environment.

The Contractor shall provide the means of removing all sediment from water pumped from the dewatered areas.

METHOD OF MEASUREMENT.

Control of Water will not be measured separately for payment.

BASIS OF PAYMENT.

Control of Water will not be paid for separately and is incidental to the pay items in the Proposal for which it is required.

CODE 800.9901
PRIVILEGE STREET BRIDGE NO. 096301

DESCRIPTION.

Except for the excluded items of work indicated below, this work consist of constructing the new Privilege Street Bridge No. 096301 in its entirety. This shall comprise all work pertaining to the construction of:

Superstructure: All the components above the beam seats inclusive of all the bridge bearings, the roadway bridge joints, membrane waterproofing, and any and all embedded, applied, or attached components. All of the above work shall be complete in place and accepted in accordance with the Contract Documents except the Method of Measurement and the Basis of Payment will be in accordance with these Special Provisions.

Substructure: All the components from the non-demolished portions of the abutments to the tops of the new abutment backwalls and to the tops of the copings on the walls; inclusive of any and all embedded, applied, or attached components. The work under this item shall also include all the work pertaining to the construction of the end posts; the approach slabs; pavement sawcut at ends of approach slabs; and temporary earth retaining systems. All of the above work shall be complete in place and accepted in accordance with the Contract Documents except the Method of Measurement and the Basis of Payment will be in accordance with these Special Provisions.

Excluded Items of Work: The work pertaining to the following items of work are excluded from this lump sum item and will be paid for separately under their own appropriate bid items included in the Proposal: Earthwork (including structural excavation and various fill materials); pavement structure above approach slabs and bridge deck; drilled micropiles; removal and disposal of existing roadway structure materials; removal and disposal of portions of the existing bridge; and construction of the new Privilege Street approach roadway structure adjacent to the bridge structure.

METHOD OF MEASUREMENT.

This item does not require a measurement for payment.

BASIS OF PAYMENT.

The Department will pay for the completed and accepted quantities as follows.

Pay Item	Pay Unit
Privilege Street Bridge No. 096301	LS

Payment at the Contract unit price is full compensation for all resources, labor, materials, equipment, and incidentals required to finish the work, complete and accepted.

Payments for materials shown within the Contract Documents as being part of this bridge structure or which may be incidental to its construction and are not specifically included for payment under another Item shall be considered incidental to the work performed under this Item and shall be included in the Lump Sum price.

Partial payments for this Lump Sum item will be made in accordance with Section 109.07 of the RI Standard Specifications.

**CODE 803.9901
REMOVE AND DISPOSE EXISTING BRIDGE SUPERSTRUCTURE**

**CODE 803.9902
REMOVE AND DISPOSE PORTIONS OF EXISTING BRIDGE SUBSTRUCTURE**

DESCRIPTION.

This work includes the removal and disposal of the entire superstructure and portions of the substructure of the existing Privilege Street Bridge No. 963.

The portions of the existing superstructure and substructure to be removed and disposed (to the limits indicated on the Contract Drawings) are in general described as follows:

- Superstructure; the entire superstructure from existing North Abutment to the existing South Abutment (all components above the beam seats, including bearings, roadway joints, bridge railing, and all attached and embedded components).
- Substructure; the approach slabs, end posts, and the top portions of the existing abutments to the limits indicated on the Plans (including all attached and embedded components)

Excavation required to remove these items, and restoration of disturbed areas in accordance with the RI Standard Specifications, is included in the cost of these items.

Install temporary deck underside and side protective shielding in accordance with Section 803 of the RI Standard Specifications except that no separate payment will be made for this item. The costs for this item shall be included in the items for removing and disposing the existing bridge.

CONSTRUCTION METHODS.

All work shall be done in a cautious and professional manner. Care shall be taken to prevent damage to vehicles, utilities and adjacent structures or properties. If any damage does ensue due to the Contractor's or his Subcontractor's operations, it shall be repaired to the satisfaction of the Engineer and property owner(s) at the expense of the Contractor. **No blasting or explosive demolition will be allowed.**

All respective utility companies are to be given a minimum of forty eight (48) hours advanced notice of demolition activities to be performed adjacent to their utilities.

No debris or any other foreign material shall fall into the river below the bridge. Should any debris inadvertently fall into the river, the debris shall be removed immediately and all work shall stop until such time as a revised procedure of operation has been submitted and approved

by the Engineer. Any delay caused as a result of cessation of work shall not relieve the Contractor of any responsibilities under this contract, including the timely completion of work.

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

METHOD OF MEASUREMENT.

These items do not require a measurement for payment.

BASIS OF PAYMENT.

The Department will pay for the completed and accepted quantities as follows.

Pay Item	Pay Unit
Remove and Dispose Existing Bridge Superstructure	LS
Remove and Dispose Portions of Existing Bridge Substructure	LS

Payment at the Contract unit price is full compensation for all resources, labor, materials, equipment, and incidentals required to finish the work, complete and accepted. The transportation of salvaged material and the removal of asbestos materials or lead based paint, if required, is incidental to the work.

**CODE 810.99
EMBEDED GALVANIC ANODES**

DESCRIPTION.

This work shall consist of furnishing and installing alkali-activated, galvanic anodes within concrete repairs at locations noted within the plans and as directed by the Engineer.

MATERIALS.

Use one of the qualified galvanic anode products and manufacturers listed below; an equivalent system may be used with written approval of the Engineer.

<u>Product Name</u>	<u>Manufacturer/Supplier</u>	<u>Telephone Number</u>
Galvashield	Vector Corrosion Technologies	(319) 364-5355
Sentinel	Euclid Chemical Company	(800) 321-7628
Emaco CP Intact	BASF Building Systems	(262) 227-4045

Anodes shall consist of a minimum 5.6 oz (160 grams) of zinc in compliance with ASTM B418 Type II (Z13000) and ASTM B6 Special High Grade (Z13001) with iron content of 15 ppm or less cast around a pair of heat treated, uncoated steel tie wires and encased in a highly alkaline cementitious shell with a pH of 14 or greater. The anode shall contain no added sulfate, nor shall it contain chloride, bromide or other constituents that are corrosive to reinforcing steel. Anode units shall be supplied with integral unspliced wires with loop ties for directly tying to the reinforcing steel. Each anode unit shall have a volume of no less than 12.5 in³. Repair mortars, concrete and bonding agents shall be Portland cement-based materials.

CONSTRUCTION METHODS.

A technical representative of the manufacturer/supplier shall be notified of the scheduled installation of the anodes and shall be present to provide direction and assistance for the initial installations of anodes in concrete repairs and succeeding anode installations until the Contractor becomes proficient in the work and to the satisfaction of the Engineer.

Perform work in accordance with the manufacturer's product specification and install anodes per the project details and as recommended by the technical representative of the manufacturer/supplier. Tools, equipment, and techniques used to prepare the repair locations for installation of the anodes shall be approved by the Engineer and the manufacturer's technical representative prior to the start of construction. Reinforcing steel shall be prepared or treated as necessary to provide good electrical conductivity, and then securely fastened together with tie wire. Supply the tools required to test the connections between anodes and reinforcing steel, or electrical continuity between crossing steel bars, as directed by the technical representative. Place additional tie wires or re-tie connections, as directed, to provide continuity.

Care shall be taken when handling anodes to prevent damage to the anodes and to the wire connections.

When Embedded Galvanic Anodes are installed in concrete demonstrating an electrical resistivity exceeding 15,000 ohm-cm, they shall be installed on a mortar bed as directed by the technical representative.

METHOD OF MEASUREMENT.

Embedded Galvanic Anodes will not be measured separately for payment.

BASIS OF PAYMENT.

Embedded Galvanic Anodes will not be paid for separately and are incidental to the pay items for concrete repairs listed in the Proposal.

**CODE 817.9901
PRESSURE GROUT VOIDS**

DESCRIPTION.

This work includes installing grout bags along voids noted beneath existing concrete structures and pressure injecting grout into these voids as shown on the Plans and as directed by the Engineer.

MATERIALS.

The grout bags shall consist of cement-based, non-shrink grout that is designed for underwater use.

The injected grout shall be a pump grade, cement-based non-shrink grout that is designed for underwater use.

The grout shall have a minimum 28-day compressive strength of 4,000 psi per AASHTO T106/ASTM C109.

Grout tubes and caps shall be per the grout manufacturer's recommendations.

All materials shall be included on the RIDOT Approved Materials List.

CONSTRUCTION METHODS.

Place grout bags in a manner such that they will retain the grout intended to be pumped into the voids beneath the existing concrete structures. The final configuration of the grout bags shall be approved by the Engineer prior to placement of the pressure injected grout.

If during placement of the grout the Engineer determines that the grout bags are not sufficiently retaining the grout, the grouting procedure shall cease, and the Contractor shall provide additional grout bags as required. This work shall be done at no additional cost.

Perform grouting in a workmanlike manner so as to ensure solid grouting of the voids. Grouting shall be performed from the bottom up, in a sequential manner so that certain grout tubes are used to attach the grout hose and certain tubes act as release points, allowing air and water to escape until grout is visible. Once grout is visible and there is confidence that the area is fully grouted, the operation shall move laterally along the void until the void is full.

Prevent excess grout from falling into the water or onto the ground below.

Upon completion of the grouting, cap the grout tubes to avoid contamination during the curing period.

Once grout is sufficiently cured, remove grout tubes below the surface.

METHOD OF MEASUREMENT.

Pressure Grout Voids is measured by the cubic foot of grout installed.

BASIS OF PAYMENT.

The Department will pay for the completed and accepted quantities as follows.

Pay Item	Pay Unit
Pressure Grout Voids	CF

The price constitutes full compensation for all labor, tools, materials, and equipment, crushed stone leveling surface, and all other incidentals required to finish the work, complete and accepted.

**CODE 824.9901
STEEL REPAIRS**

DESCRIPTION.

The work includes supplementing and/or strengthening corroded portions of the existing steel beams with additional new structural elements as indicated on the Plans and as specified in this Special Provision. All removing and disposing of portions of existing structural steel and reinforced concrete, furnishing, fabricating-including field drilling, and erecting of new structural elements, any miscellaneous shields, staging, access, scaffolding, field measurements, surface preparation including application of an epoxy paste adhesive, localized de-leading or other items required to complete this work shall be included in the price bid for this item.

MATERIALS.

All materials shall be as designated on the plans except as modified herein.

Use epoxy paste adhesive with high strength, non-sag, moisture-tolerant properties.

CONSTRUCTION METHODS.

Schedule work such that, once holes have been drilled in the existing steel at a repair location, work shall continue without interruption until new steel is installed, including final tightening of the bolts at said location.

Assure that no debris or any other foreign materials falls onto the ground beneath the structure. Should any debris fall to the ground despite this assurance, all work shall stop until such time as the debris has been recovered to the satisfaction of the Engineer, and a revised procedure of operation has been submitted by the Contractor to the Engineer for review and approval. Repair of any damage caused by this debris shall be the responsibility of the Contractor and shall be repaired to the satisfaction of the Engineer and/or the affected party, at no additional cost to the Authority. Any delay caused as a result of cessation of work and approval of the revised procedure of operation shall not relieve the Contractor of any of his responsibilities under this Contract, including the timely completion of work.

Existing dimensions, material types, and member sizes, were obtained from the original Contract Drawings and current inspection reports. The Contractor is responsible for verifying all existing conditions and dimensions, as well as the proper fit-up of the final bolted and/or welded connections. Prior to preparation of shop drawings, obtain field measurements of all dimensions and layout information which may affect his fabrication work. No separate payment will be made for these field measurements. This is considered incidental to this item.

Prepare existing steel surfaces in accordance with Section 825 of the RI Standard Specifications prior to the verification of existing conditions and dimensions. Any conditions warranting additional repair limits not specified on the Plans shall be brought to the attention of the Engineer.

Prepare and prime new structural steel in the shop in accordance with Section 825 of the RI Standard Specifications. Payment for shop preparation and priming shall be included in the cost of the steel. The Intermediate Coat and Final Top Coat of paint shall be applied in the field and included for payment under Item Code 825.8040.

METHOD OF MEASUREMENT.

Steel Repairs are measured by the pound of steel installed.

BASIS OF PAYMENT.

The Department will pay for the completed and accepted quantities as follows.

Pay Item	Pay Unit
Steel Repairs	LB

The price constitutes full compensation for all labor, tools, materials, and equipment, including all removing and disposing of portions of existing structural steel and reinforced concrete, furnishing, fabricating-including field drilling, and erecting of new structural elements, any miscellaneous shields, staging, access, scaffolding, field measurements, surface preparation including application of an epoxy paste adhesive, and all other incidentals required to finish the work, complete and accepted.

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 \$ 635.00 per ton.

* In the case of modified asphalt binder, this price adjustment provision shall only apply to the neat liquid asphalt component. This provision shall not apply to the modifier component, manufacture, storage, transportation or other associated costs.

b. Diesel Fuel. The Base Price of Diesel Fuel as required to implement **Subsection 938.03.2** of the Standard Specifications is \$ 2.6445 per gallon.

Current price adjustments can be found at the following web address:

<http://www.dot.ri.gov/business/contractorsandconsultants.php>

CODE 999.9901

MISCELLANEOUS WORK

DESCRIPTION: This work shall consist of furnishing all labor, equipment, tools and materials to perform various supplemental items of work such as but not limited to installing new trees, isolated clearing, cleaning cross drain swales, removal of solid waste, or other items of work as directed by the Engineer.

MATERIALS and CONSTRUCTION METHODS: Materials and Methods of Construction shall conform to the applicable sections of the Rhode Island Standard Specifications for Road and Bridge Construction, August 2024, and all revisions.

METHODS OF MEASUREMENT: Item Code 999.9901 "MISCELLANEOUS WORK" shall be measured for payment by the actual cost, as approved by the Engineer for the cost of performing the work as directed by the Engineer.

BASIS OF PAYMENT: Item Code 999.9901 "MISCELLANEOUS WORK" will be paid for at the actual dollar amount. The estimated dollar figure for this item of work established by Department at 75,000 units at \$1.00 each and is inserted in the proposal as an authorized amount from which the payments shall be drawn.

CODE L01.9901
CONCRETE SAND MEDIA

DESCRIPTION. This item of work shall consist of furnishing and installing the concrete sand filter media layer within the lined sand filter system (BMP-1), as indicated on the Plans or as directed by the Engineer.

MATERIALS. Concrete Sand Media shall meet the specifications of AASHTO M-6 concrete filter sand.

CONSTRUCTION METHODS. Construction shall be in accordance with the applicable sections of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction (amended August 2024), including all revisions and supplements.

METHOD OF MEASUREMENT. Concrete Sand Media when used in stormwater practices will not be measured for payment.

BASIS OF PAYMENT. No separate payment will be made for this item. All costs for Concrete Sand Media used within stormwater practices shall be included in the lump sum bid price of Item 711.9901 "Lined Sand Filter System (BMP-1)".

CODE T11.9901

PEDESTRIAN PUSH BUTTON STUB POLE, 4-FOOT, WITH FOUNDATION

DESCRIPTION. This work includes furnishing and installing aluminum poles with foundations at the required locations. Work shall conform to Section T11 – TRAFFIC SIGNAL MAST ARMS, POLES, AND FOUNDATIONS, of the Rhode Island Standard Specifications for Road and Bridge Construction, August 2024 with all revisions.

MATERIALS.

- Use a 4-inch diameter schedule 40 spun aluminum pole mounted on a 14-inch square aluminum base. The base shall include an access panel and grounding lug. Ensure the overall height from the finished sidewalk grade to the top of the pole is 4'-0".
- For the foundation, the size shall be 18"x18"x30" and use ¾" x 18" anchor bolts with a 3: J-hook.
- Ensure that the top of the foundation is set flush with the surrounding sidewalk with no reveal allowed.
- Ensure that the pole is field-drilled to ensure proper alignment of the push button with crosswalk.

CONSTRUCTION METHODS. Construction shall be in accordance with the applicable sections of the Rhode Island Standard Specifications for Road and Bridge Construction, August 2024 with all revisions.

METHOD OF MEASUREMENT. Stub Poles and Foundations will be measured by the number of units furnished and installed.

BASIS OF PAYMENT. The Department will pay for the completed and accepted quantities at the Contract Unit prices as follows.

Pay Item	Pay Unit
Stub Pole and Foundations	EA

The prices constitute full compensation for all design, materials, labor, tools, equipment, and incidentals required to finish the work, complete and accepted.