

November 18, 2019

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7599789

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2019-CB-027

FEDERAL-AID PROJECT NO. FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Bridge Group 51A - Rt 37 C-2

Route 37 from Pontiac Branch RR (Abandoned) to U.S. Route 1.
Pontiac Ave. from Rt. 37 EB Ramps to Sockanossett Cross Rd. Intersection.

CITY/TOWN OF Warwick, Cranston

COUNTY OF KENT, PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 7 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. Contract Documents

1. Specifications - Contract Specific

a. Appendix G – Amtrak Specifications and Insurance Requirements

Delete Appendix G cover page and replace it with the revised Appendix G cover page attached to this Addendum No. 7. Add “Attachment B Insurance Requirements” to the end of Appendix G.

2. Specifications - Job Specific

a. Job Specific Index

Delete the Job Specific Index pages in their entirety and replace them with revised Job Specific Index pages (R-4) attached to this Addendum No. 6. The index has been revised to correct a format issue.

b. Pages JS-58 through JS-60

Delete Pages JS-58 through JS-60 in their entirety and replace them with revised Pages JS-58 (R-1), JS-59 (R-1) and JS-60 (R-1) attached to this Addendum No. 7. The specification has been revised.

c. Page JS-89

Delete Page JS-89 in its entirety and replace it with revised Page JS-89 (R-1) attached to this Addendum No. 7. The page has been revised.

B. Distribution of Quantities

1. Index Pages

Delete all index pages in their entirety and replace with revised pages Index 1 (R-1) through Index 9 (R-1) attached to this Addendum No. 7. Items highlighted in bold have been revised, added or deleted.

2. Page 62

Delete Page 62 in its entirety and replace with revised Page 62 attached to this Addendum No. 7. Item Code 807.9901 is revised.

3. Page 84 through 86

Delete Pages 84 through 86 in their entirety and replace with revised Pages 84, 85 (R-1) and 86 and insert Page 84a attached to this Addendum No. 7. Item Code 907.0100 and 916.0600 are revised. Item Code 916.0650 is deleted.

4. Page 94 and 95

Delete Pages 94 and 95 in their entirety and replace with revised Pages 94 (R-1) and 95 (R-1) attached to this Addendum No. 7. Item Code 926.0210 and 928.0500 are revised.

5. Page 109 and 110

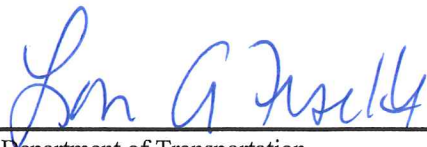
Delete Pages 109 (R-1), 110 (R-1) and 110a in their entirety and replace with revised Pages 109 (R-2), 110 (R-2) and 110a (R-1) and insert Pages 109a attached to this Addendum No. 7. Item Code T06.1020 and T06.2020 are revised.

C. Drawings/Plans - Change/Addition

1. Volume 2

a. Sheet 17

Delete plan Sheet 17 and replace it with revised Sheet 17 (R-1) attached to this Addendum No. 7. The sheet has been revised.



RI Department of Transportation

Administrator, Division of Project Management

APPENDIX G

Amtrak Specifications and Insurance Requirements

ATTACHMENT B
INSURANCE REQUIREMENTS
NATIONAL RAILROAD PASSENGER CORPORATION (AMTRAK)
WASHINGTON TERMINAL COMPANY (WTC)
Revised as of February 27, 2018

DEFINITIONS

In these Insurance Requirements, "Railroad" or "Amtrak" shall mean National Railroad Passenger Corporation and, as appropriate, its subsidiary, Washington Terminal Company ("WTC"). "Contractor" shall mean the party identified as "Permittee" in the Temporary Permit to Enter Upon Property or the party with whom Amtrak has contracted in another agreement (e.g., Preliminary Engineering Agreement, Design and/or Construction Phase Agreement, Force Account Agreement, License Agreement), as well as its officers, employees, agents, servants, contractors, subcontractors, or any other person acting for or by permission of Contractor. "Operations" shall mean activities of or work performed by Contractor. "Agreement" shall mean the Temporary Permit to Enter Upon Property or other such agreement, as applicable.

INSURANCE

Contractor shall procure and maintain, at its sole cost, the types of insurance specified below:

1. **Workers' Compensation Insurance** complying with the requirements of the statutes of the jurisdiction(s) in which the Operations will be performed, covering all employees of Contractor. Employer's Liability coverage shall have the following minimum limits of coverage:

\$1,000,000	Each Accident
\$1,000,000	Disease Policy Limit
\$1,000,000	Disease Each Employee

In the event the Operations are to be performed on, over, or adjacent to navigable waterways, a U.S. Longshoremen and Harbor Workers' Compensation Act Endorsement and an Outer Continental Lands Act Endorsement are required.

2. **Commercial General Liability (CGL) Insurance** covering liability of Contractor with respect to all operations to be performed and all obligations assumed by Contractor under the terms of the Agreement. Products-completed operations, independent contractors and contractual liability coverages are to be included, with the contractual exclusion related to construction/demolition activity within fifty (50) feet of the railroad deleted and with no exclusions for Explosion/Collapse/Underground (X-C-U). Coverage shall include bodily injury (including disease or death), personal injury and property damage (including loss of use) liability.

This policy shall have the following minimum limits of coverage:

\$2,000,000	Each Occurrence
\$2,000,000	Annual Policy Aggregate
\$2,000,000	Products and Completed Operations

In addition, the following shall apply:

- A. The policy shall name National Railroad Passenger Corporation (and, as appropriate,

- WTC) and all commuter agencies and railroads that operate over the property or tracks at issue as additional insureds with respect to the operations to be performed.
- B. The policy shall include an ISO endorsement Form CG 24 17 10 01 or its equivalent providing contractual liability coverage for railroads listed as additional insureds.
 - C. Coverage for such additional insureds shall be primary and non-contributory with respect to any other insurance the additional insureds may carry.
 - D. Such coverage may be provided by a combination of a primary CGL policy and a following form excess or umbrella liability policy.
3. **Automobile Liability Insurance** covering the liability of Contractor arising out of the use of any vehicles which bear, or are required to bear, license plates according to the laws of the jurisdiction in which they are to be operated, and which are not covered under Contractor's CGL insurance. The policy shall have the following minimum limits of coverage.

\$1,000,000	Each Occurrence, Combined Single Limit
-------------	--

In addition, the following shall apply:

- A. A. The policy shall name National Railroad Passenger Corporation (and, as appropriate, WTC) and all commuter agencies and railroads that operate over the property or tracks at issue as additional insureds with respect to the operations to be performed.
 - B. Coverage shall include bodily injury (including disease or death), personal injury and property damage (including loss of use) liability and cover damages resulted from loading and unloading activities.
 - C. In the event Contractor will be transporting and/or disposing of any hazardous material or waste off of the jobsite, a MCS-90 Endorsement is to be added to this policy and the limits of liability are to be increased to \$5 million each occurrence.
4. **Railroad Protective (RRP) Liability Insurance** covering the Operations performed by Contractor within fifty (50) feet vertically or horizontally of railroad tracks. The policy shall be written on a current ISO Occurrence Form (claims-made forms are unacceptable) in the name of National Railroad Passenger Corporation (and, as appropriate WTC) and all commuter agencies and railroads that operate over the property or tracks at issue). The policy shall have the following minimum limits of coverage:

\$2,000,000	Each Occurrence
\$6,000,000	Policy Aggregate

In addition, the following shall apply:

- A. The policy shall have coverage for losses arising out of injury to or death of all persons, and for physical loss or damage to or destruction of property, including the loss of use thereof.
- B. Policy Endorsement Ct3 28 31 - Pollution Exclusion Amendment is required to be endorsed onto the policy.
- C. "Physical Damage to Property" as defined in the policy is to be deleted and replaced by the following endorsement:

"It is agreed that 'Physical Damage to Property' means direct and accidental loss of or damage to all property owned by any named insured and all property in any named insured's care, custody and control."

- C. In the alternative, and upon Amtrak's approval, Contractor may elect to have Amtrak

insure the Operations under its Blanket RRP Liability Insurance Program. The premium, which shall be determined by the rate schedule promulgated by the insurer in effect as of the effective date of the Agreement, shall be prepaid by Contactor. In the event Contractor and Amtrak agree to insure the Operations under Amtrak's RRP Program, Contractor shall include the RRP premium of \$ N/A in addition to the Permit Fee, and send its check made payable to National Railroad Passenger Corporation to the individual set forth below prior to commencement of Operations.

5. **All Risk Property Insurance** covering damage to or loss of all personal property of Contractor used during Operations including, but not limited to, tools, equipment, construction trailers and their contents and temporary scaffolding at the project site, whether owned, leased, rented or borrowed for the full replacement cost value. Such insurance policies shall include a waiver of subrogation and any other rights of recovery in favor of Amtrak.
6. **Builder's Risk/Installation Ftoater** is required if Contractor's work involves construction or renovation of a building or structure. Contractor shall provide builder's risk coverage issued for the work to cover property in the course of construction, soft costs, and delay in completion, including coverage for damage to existing property and property of others, and the loss of use thereof. In addition, Contractor shall provide installation floater coverage for personal property installed, fabricated or erected by Contractor, including material in transit or storage during the course of the work. Coverage shall be on an all-risk, full replacement value basis, including labor, materials in place, on site, in storage, off-site or in transit and include coverage for perils of Flood, Earth Movement, Wind and Terrorism. National Railroad Passenger Corporation shall be named as a loss payee, with respect to its interest in the covered property.
7. **Contractor's Pollution Liability Insurance** covering the liability of Contractor arising out of any sudden and/or non-sudden pollution or impairment of the environment, including clean-up costs and defense, which arise from the Operations of Contractor. The policy shall have the following minimum limits of coverage:

\$2,000,000	Each Occurrence
\$2,000,000	Annual Policy Aggregate

In addition, the following shall apply:

- A. The policy shall name National Railroad Passenger Corporation (and, as appropriate, WTC) and all commuter agencies and railroads that operate over the property or tracks at issue as additional insureds.
 - B. The coverage shall be maintained during the term of the Operations and for at least two (2) years following completion thereof.
8. **Pollution Legal Liability Insurance** is required if any hazardous material or waste is to be transported or disposed of off of the jobsite. Contractor or its transporter, as well as the disposal site operator, shall maintain this insurance. The policy shall have the following minimum limits of coverage:

\$2,000,000	Each Occurrence
\$2,000,000	Annual Policy Aggregate

In addition, the following shall apply:

- A. Contractor shall designate the disposal site and provide a certificate of insurance from the

- disposal facility to Amtrak.
- B. The policy shall name National Railroad Passenger Corporation (and, as appropriate, WTC) and all commuter agencies and railroads that operate over the property or tracks at issue as additional insureds.
 - C. Any additional insurance coverages, permits, licenses and other forms of documentation required by the United States Department of Transportation, the Environmental Protection Agency and/or related state and local laws, rules and regulations shall be obtained by Contractor.
9. **Professional Liability Insurance** covering the liability of Contractor for any errors or omissions committed by Contractor providing professional design or engineering services in the performance of the Operations, regardless of the type of damages. The policy shall have the following minimum levels of coverage:

\$2,000,000	Per Claim
\$2,000,000	Annual Policy Aggregate

In addition, the following shall apply:

- A. The coverage shall be maintained during the Operations and for at least three (3) years following completion thereof.
- B. The policy shall have a retroactive date that coincides with or precedes any design work on the project.
- C. If Contractor is not performing professional design or engineering services, Contractor may elect to satisfy this requirement through the addition of endorsement CG2279 "Incidental Professional Liability" to its CGL policy.

MISCELLANEOUS

1. General

- A. All insurance shall be procured from insurers authorized to do business in the jurisdiction(s) where the Operations are to be performed.
 - B. Contractor shall require all subcontractors to carry the insurance required herein or Contractor may, at its option, provide the coverage for any or all subcontractors, provided the evidence of insurance submitted by Contractor to Amtrak so stipulates.
 - C. The insurance shall provide for thirty (30) days prior written notice to Amtrak in the event coverage is substantially changed, canceled or non-renewed.
 - D. Unless noted otherwise herein, all insurance shall remain in force until all Operations are satisfactorily completed, all Contractor personnel and equipment have been removed from Railroad property, and any work has been formally accepted.
 - E. Contractor may provide for the insurance coverages with such deductible or retained amount as Amtrak may approve from time to time, except, however, that Contractor shall, at its sole cost, pay for all claims and damages which fall within such deductible or retained amount on the same basis as if there were full commercial insurance in force.
 - F. Contractor's failure to comply with the insurance requirements set forth in these Insurance Requirements shall constitute a violation of the Agreement.
2. **Waiver of Subrogation** As to all insurance policies required herein, Contractor waives all rights of recovery, and its insurers must waive all rights of subrogation of damages against Amtrak (and, as appropriate, WTC) and their agents, officers, directors, and employees. The waiver must be stated on the certificates of insurance.

3. **Punitive Damages** Unless prohibited by law, no liability insurance policies required herein shall contain an exclusion for punitive or exemplary damages.
4. **Claims-Made Insurance** If any liability insurance specified herein shall be provided on a claims-made basis then, in addition to coverage requirements above, the following shall apply:
 - A. The retroactive date shall coincide with or precede Contractor's start of Operations (including subsequent policies purchased as renewals or replacements);
 - B. The policy shall allow for the reporting of circumstances or incidents that might give rise to future claims;
 - C. Contractor shall maintain similar insurance under the same terms and conditions that describe each type of policy listed above (e.g., CGL, Professional Liability, Pollution Legal Liability) for at least three (3) years following completion of Operations; and
 - D. If insurance is terminated for any reason, Contractor shall purchase an extended reporting provision of at least six (6) years to report claims arising from Operations.

5. **Evidence of Insurance**

- A. Contractor shall submit to Amtrak the original RRP Liability Insurance Policy and certificates of insurance evidencing the other required insurance. In addition, Contractor agrees to provide certified copies of the insurance policies for the required insurance within thirty (30) days of Amtrak's written request.
- B. Contractor shall furnish evidence of insurance as specified herein at least fifteen (15) days prior to commencing Operations. The fifteen (15) day requirement may be waived by Amtrak in situations where such waiver will benefit Amtrak, but under no circumstances will Contractor begin Operations without providing satisfactory evidence of insurance as approved by Amtrak.
- C. Prior to the cancellation, renewal, or expiration of any insurance policy specified above, Contractor shall furnish evidence of insurance replacing the cancelled or expired policies.
- D. ALL INSURANCE DOCUMENTS SHALL INCLUDE A DESCRIPTION OF THE PROJECT AND THE LOCATION ALONG THE RAILROAD RIGHT-OF-WAY (typically given by milepost designation) IN ORDER TO FACILITATE PROCESSING.
- E. Evidence of insurance coverage shall be sent to:

Senior Manager Engineering
National Railroad Passenger Corporation
30th Street Station, Mail Box 64
2955 Market Street
Philadelphia, PA 19104-2817

SPECIFICATIONS – JOB SPECIFIC INDEX

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
105.02	Control of Work – Plans and Shop Drawings	JS-1
108.01	Prosecution and Progress – Subletting of Contract	JS-3
108.03	Prosecution and Progress – General Requirements	JS-4
108.08	Prosecution and Progress – Failure to Complete on Time	JS-5
109.07	Measurement and Payment – Partial Payment of Lump Sum Items	JS-6
109.09	Measurement and Payment – Acceptance and Final Payment	JS-7
201.9901	Remove and Dispose Delineator Panel and Post	JS-8
201.9902	Remove & Dispose of Light Std. Luminaire	JS-8a
201.9903	Remove & Dispose Service Load Center & Foundation	JS-8b
202.	Excavation and Embankment	JS-9
209.9901	Inlet Protection	JS-15
301.9901	Pea Stone	JS-16
310.9904	Pea Gravel	JS-17
402.9901	Friction Course	JS-18
601.	Portland Cement Concrete	JS-21
601.9901	Concrete Structure High Early Strength Concrete	JS-26
701.9901	Electric Manhole	JS-26a
701.9902	5” PVC Elect. Conduit	JS-26a
701.9903	4” PVC Elect. Conduit	JS-26a
701.9904	Electric Service Handhole	JS-26a
701.9911	Telephone Manhole	JS-26a
701.9912	4” PVC Telephone Conduit	JS-26a
701.9921	CATV Manhole	JS-26a
701.9922	4” PVC Quadraduct	JS-26a
702.9901	Outlet Control Structure	JS-28
702.9902	Precast Manhole 4’ Diameter Standard 4.2.0 with Baffle Wall	JS-29
703.9901	4” Perforated Corrugated Polyethylene Pipe M252 Underdrain	JS-30
703.9902	6” Perforated Polyvinyl Chloride Pipe M278 with Lockable Cap	JS-31
703.9903	8” Perforated Polyvinyl Chloride Pipe M278 Underdrain with Filter Material Standard 1.1.0	JS-31a
708.9901	Cleaning and Flushing Culverts All Sizes	JS-31b
711.9901	Seeded Ditch Standard 8.1.0 – Modified	JS-32
800.9901	Horizontal Bridge Slide – Br. 062801	JS-33

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
800.9902	Horizontal Bridge Slide – Br. 062901	JS-33
800.9903	Bridge Transport with SPMT – Pontiac Ave. Bridge 062701 (Westbound)	JS-41
800.9904	Bridge Transport with SPMT – Pontiac Ave. Bridge 062701 (Eastbound)	JS-41
800.9906	Pawtuxet River South Bridge No. 062801 Superstructure	JS-48
800.9907	Pawtuxet River North Bridge No. 062901 Superstructure	JS-48
800.9908	Pawtuxet River South Bridge No. 062801 Substructure	JS-49
800.9909	Pawtuxet River North Bridge No. 062901 Substructure	JS-49
800.9910	Jefferson Boulevard Bridge No. 063501 Superstructure	JS-50
800.9911	Jefferson Boulevard Bridge No. 063501 Substructure	JS-51
800.9913	Pontiac Avenue Bridge No. 062701 Superstructure	JS-52
800.9914	Pontiac Avenue Bridge No. 062701 Substructure	JS-52
800.992X	Repairs to Route 37 Bridge No. 063XXX	JS-53
800.9930	Construction Site Access – Bridge 062801 and Bridge 062901	JS-55
800.9931	Construction Site Access – Bridge 063601 and Bridge 063701	JS-58
803.9901	Remove and Dispose Existing Pontiac Avenue Bridge No. 062701	JS-61
803.9902	Remove and Dispose Existing Pawtuxet River South Bridge No. 062801	JS-63
803.9903	Remove and Dispose Existing Pawtuxet River North Bridge No. 062901	JS-63
803.9904	Remove and Dispose Existing Jefferson Boulevard Bridge No. 063501	JS-66
804.9911	Mobilization and Demobilization of Micropile Equipment	JS-69
804.9912	Drilled Micropiles	JS-69
804.9913	Micropile Verification Test	JS-69
804.9914	Micropile Proof Test	JS-69
805.9910	Temporary Earth Retaining Systems	JS-86
805.9912	Temporary Earth Retaining System Left-in-Place	JS-88
807.9901	Reconstruct Riprap Rock Fill	JS-89
808.9901	Cast-in-Place Concrete Median Closure Barrier	JS-90
808.9902	Cast-in-Place Concrete Median Transition Barrier	JS-90
808.9903	Cast-in-Place Concrete Single Face F-Shape Barrier	JS-90
809.9900	Precast Substructure Components	JS-92
810.9901	Embedded Galvanic Anodes	JS-100
817.9901	Repairs to Structural Concrete Masonry (Patching Mortar)	JS-102
817.9902	Repairs to Structural Concrete Masonry (Form and Cast in Place)	JS-105

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
817.9903	Repairs to Structural Concrete Masonry (Type 2S)	JS-106a
817.9904	Expansion Joint Header Repairs with Polymer Mortar	JS-107
817.9905	Bridge No. 126401 Culvert Floor Crack Repair	JS-109
818.9901	Portland Cement Concrete Deck Repairs (Partial Depth Removal)	JS-111
818.9902	Portland Cement Concrete Deck Repairs (Full Depth Removal)	JS-114
818.9903	Precast Rigid Pavement Transition Slab	JS-117
818.9904	Portland Cement Concrete Deck Repairs (Partial Depth Removal) Br 063601 & 063701	JS-119a
818.9905	Portland Cement Concrete Deck Repairs (Full Depth Removal) Br 063601 & 063701	JS-119d
820.9901	Protective Coating for Reinforced Concrete Surfaces	JS-120
823.9901	Preformed Joint Seal	JS-121
824.9901	Peening Cover Plate Welds	JS-125
824.991X	Steel Beam / Girder Repairs – Bridge No. 063XXX	JS-127
824.9916	Heat Straightening and Repair of Collision Damaged Beams/Girders	JS-129a
824.992X	Temporary Jacking and Shoring of Beams & Girders – Bridge No. 063XXX	JS-130
825.9901	Localized Paint Removal and Field Painting of Existing Steel	JS-135
825.991X	Repainting Existing Structural Steel – Bridge No. 063XXX	JS-137
831.9901	PVC Coated Steel Chain Link Fence	JS-139
901.9901	Steel Beam Guardrail Single Face (MASH)	JS-141
901.9902	Guardrail Steel Beam Anchorage Trailing End Section (MASH)	JS-141
901.9903	Guardrail End Treatment – Energy Absorbing Terminal (MASH)	JS-141
901.9904	Guardrail End Treatment Platform	JS-144
901.9905	Steel Beam Guardrail to Endpost Transition	JS-145
901.9906	Encased Post for Shallow Mount Guardrail	JS-147
901.9907	Steel Deep Post – Slope Break Condition	JS-147
901.9908	MGS Long Span LSC-2 Guardrail	JS-147
906.9901	Granite Curb, Quarry Split Straight, Standard 7.3.0 – Forebay	JS-149
909.9901	Precast Median Barrier Single-Faced “F” Shape	JS-150
911.9900	GRS Abutments & Walls With Segmental Retaining Wall Unit Facing	JS-151
911.9901	Modular Retaining Wall	JS-157
916.9901	Narrow Condition Impact Attenuator for Temporary Traffic Control	JS-162
921.9901	Slope Paving Repair	JS-163
923.9901	Temporary Pedestrian Curb Ramp	JS-165
926.9901	Unanchored Barrier for Temporary Traffic Control (Mash TL-3)	JS-166
926.9902	Polyethylene Water Filled Barrier for Temporary Traffic Control	JS-168

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
929.9901	Project Field Offices	JS-170
936.	Mobilization and Demobilization	JS-174
936.9902	Force Account Bank – Unexpected Amtrak Downtime	JS-176
937.1000	Maintenance and Movement of Traffic Protection	JS-177
938.10	Price Adjustments	JS-178
943.02	On-The-Job Training	JS-179
L01.9901	Bioretention Soil	JS-183
L06.9901	Pine Bark Mulch	JS-185
L09.9901	Selective Clearing	JS-186
T04.9901	Video Detection System Cable	JS-187
T04.9902	19 AWG 6 Pair Traffic Communications Cable	JS-190
T05.9901	Break Into Existing Handhole	JS-192
T07.9901	General Highway Lighting LED Cobrahead Cutoff Luminaire	JS-193
T07.9902	Wireless Lighting Controller	JS-194
T08.9901	Underpass Luminaire	JS-195a
T08.9902	Aluminum Lighting Std 30 X 8	JS-195c
T08.9903	Raise Light Standard to Grade	JS-195d
T09.9901	Electric Meter Pedestal and Foundation	JS-196
T09.9903	Service Feed/Riser Connection	JS-196a
T11.9901	20 Foot Galvanized Steel Mast Arm Traffic Signal Post and Foundation, STD. 19.2.0	JS-197
T11.9902	25 Foot Galvanized Steel Mast Arm Traffic Signal Post and Foundation, STD. 19.2.0	JS-197
T11.9903	35 Foot Galvanized Steel Mast Arm Traffic Signal Post and Foundation, STD. 19.2.0	JS-197
T11.9904	50 Foot Galvanized Steel Mast Arm Traffic Signal Post and Foundation, STD. 19.2.0	JS-197
T11.9905	20 Foot Galvanized Steel Mast Arm Traffic Signal Post and Foundation, STD. 19.2.0 Modified I	JS-197
T11.9906	Dual Mast Arm (30x30) Galvanized Steel Mast Arm Traffic Signal Post and Foundation, STD. 19.2.0	JS-197
T12.9901	Actuated Controller TS-2, Type 1 W/ 8 Phase Assembly Ground Mounted Including Foundation and Cabinet STD. 19.1.0	JS-198
T12.9903	Video Detection System Hardware	JS-187
T12.9904	Traffic Signal System Master	JS-202
T12.9905	Modify Existing Advanced Traffic Management System	JS-205
T12.9906	GPS Time Synchronization Unit	JS-207

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
T12.9907	Cellular Modem	JS-208
T12.9908	Actuated Controller TS-2, Type 1 W/ 8 Phase Assembly Ground Mounted Including Cabinet STD. 19.1.0 on Existing Foundation	JS-198
T13.1000	Traffic Detectors and Relays	JS-209
T13.9901	Fire Pre-Emption Confirmation Beacon	JS-210
T13.9902	Video Detection System Camera	JS-187
T14.9901	1 Way Pedestal Mounted LED Pedestrian Signal Head With Countdown Timer 12 Inch	JS-211
T14.9902	1 Way Bracket Mounted LED Pedestrian Signal Head With Countdown Timer 12 Inch	JS-211
T14.9903	Remove and Replace Signal Head LED Module	JS-213
T15.9901	Reflective Sign Post Panel – Red	JS-214
T17.9901	Overhead Sign Structure and Foundation 41-45 Foot Cantilever	JS-215
T18.9901	Delineator – White	JS-221
T18.9902	Delineator – Yellow	JS-221
T18.9903	Guardrail End Delineator – Red	JS-222
T18.9904	Guardrail End Delineator – Green	JS-222
T20.9901	Epoxy Resin Pavement Marking “West”	JS-223
T20.9902	Epoxy Resin Pavement Marking State Route 37 Symbol	JS-223

CODE 800.9931

CONSTRUCTION SITE ACCESS – BRIDGE 063601 AND BRIDGE 063701

DESCRIPTION:

The item “Construction Site Access – Bridge 063601 and Bridge 063701” (Site Access) shall consist of the design and construction of all work shown on the plans or as directed by the Engineer to provide the Contractor with temporary access to the work sites for equipment, materials and personnel. Also included is the removal of all Site Access facilities, upon completion of the work.

Where working and/or access pads are required for direct access of the Contractor’s equipment onto or across active railroad tracks, these pads shall be constructed and removed by the Contractor for use during the performance of the work. The Contractor shall submit a proposed site work plan to the Engineer that includes the plan limits of the working and/or access pad(s) required for the proposed Contractor construction. This plan must be submitted a minimum of 90 calendar days in advance of the proposed work requiring the pad to allow adequate time for coordination by the Railroad.

Working and/or access pads constructed by the Contractor are intended to allow rubber tired equipment to cross or work in the vicinity of the track without damaging the rails or ties. All Contractor equipment and operations proposed to work on or cross these pads shall be subject to the review and approval of the Engineer and the Railroad.

This work also includes the furnishing, installation, and removal of construction gates to restrict access to the work site from the adjacent roadways.

The information shown on the plans pertaining to site access, sequence of construction and erection procedures conveys the assumptions made by the designer in designing the structure and is for information only. The Contractor shall be responsible for selecting the means and methods for construction, subject to the design and testing parameters and railroad entry permit restrictions. The Contractor shall also submit design calculations, construction schematics, construction sequences and procedures to the Engineer for review.

The information depicted on the plans has been permitted by the governing state agencies. The Contractor shall be responsible for obtaining any revised permits due to changes or modifications to the permitted plans which effects environmental impacts from all governing local and state agencies.

The proposed work at these bridges has been submitted for review by Amtrak. It is the responsibility of the Contractor to obtain an entry permit from the Railroad and to comply with all requirements of the Railroad for acquisition of the permit. The Contractor shall note that

obtaining approvals from Amtrak is a time consuming process and should be taken into consideration when selecting the means and methods for construction.

MATERIALS:

Temporary fill placed immediately adjacent to existing rail embankments must conform to the material requirements for “Ballast” to prevent contamination of the existing ballast embankment unless alternative material is approved by the Engineer for use. Temporary fill not in direct contact with the railroad embankments must be a clean, well-draining material approved by the Engineer for use.

Guard timbers for access pads shall be in good condition constructed using select hardwood species.

Hardware for connecting the guard timbers to existing cross ties shall conform to the requirements of M.05.04.13 – Hardware for Timber Construction and as required.

Any material required for resetting fences shall be equal to the original construction materials.

CONSTRUCTION METHODS:

The access points are for the Contractor’s use to provide the Contractor with access to the work area for equipment, materials and personnel. The access roads shall not be used to store equipment or materials, except as approved by the Engineer.

The Contractor shall perform any necessary field survey of the proposed access point areas and shall procure guard timbers of the size and quantity to construct working/access pads of a sufficient length to support the Contractor’s work plan. The Contractor shall also procure and install sufficient ballast adjacent to the guard timbers to provide a working surface for equipment approaching and crossing the track. The guard timbers shall be anchored to the existing cross ties in accordance with the plan details. Temporary ballast placed over the existing timber cross ties shall be placed on a geotextile layer to facilitate the removal of the ballast when the crossing is no longer required. The Contractor shall take care not to damage the existing track structure during the installation, use and removal of the temporary crossings.

When the Contractor’s means and methods for construction meet all requirements established in the regulatory permits for the project, he shall, at least 30 calendar days prior to the start of construction of the temporary works, submit to the Engineer, for his review and approval, detailed final site access and methodology working drawings and computations of his proposal. The working drawings and calculations must be prepared, stamped and signed by a Professional Engineer licensed in the State of Rhode Island. These plans shall include, but shall not be limited to:

1) The limits of temporary fill, temporary earth retaining systems, excavation and limits and details for temporary work platforms.

If the Contractor's means and methods for construction do not meet all requirements established in the regulatory permits for the project, he shall allot the time in his schedule to obtain revised permits and the Engineer's approval.

The furnishing of such plans, methods and calculations shall not serve to relieve the Contractor of his responsibility for the safety of the work and the successful completion of the project. The Contractor's proposal must meet all requirements established in regulatory permits for the project.

The temporary works and any temporary earth retaining systems shall be of sufficient strength and sufficiently braced to accommodate all construction loads. Any effects to the permanent works, including, but not limited to, the existing railroad track, catenary supports and any underground facilities.

Upon completion of the construction at a given site, the Contractor shall remove all materials installed for the temporary access and restore the area to the original condition.

METHOD OF MEASUREMENT:

This item will not be measured for payment.

BASIS OF PAYMENT:

Item CODE 800.9931 "CONSTRUCTION SITE ACCESS – BRIDGE 063601 AND BRIDGE 063701" will be paid for at the contract "Lump Sum" price as listed in the Proposal. The price so stated shall include all materials, tools, equipment, labor and work incidental to the design, construction, maintenance and removal of the temporary access facilities, and the restoration of all areas to their original condition including the resetting of fences where applicable, as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

Partial payments for this Lump Sum item will be made in accordance with Special Provision Code 109.07.

CODE 807.9901
RECONSTRUCT RIPRAP ROCK FILL

DESCRIPTION:

The work under this item shall consist of reconstructing designated areas of existing riprap rock fill as shown on the Plans or as directed by the Engineer. Also included is placing riprap similar in size to existing riprap, at locations of pier removal and bridge widening as shown on the Plans or as directed by the Engineer. All construction shall be in accordance with Section 920 and other appropriate sections of the Rhode Island Standard Specifications for Road and Bridge Construction, the contract plans and this Specification.

CONSTRUCTION METHODS:

Riprap and bedding material shall be removed, stockpiled, and reset over new filter fabric to the lines and grades shown on the Plans.

The existing and proposed slopes will be reset similar to the existing condition.

Additional riprap, bedding material and filter fabric will be required at locations of pier removal and bridge widening.

METHOD OF MEASUREMENT:

Item Code 807.9901, "Reconstruct Riprap Rock Fill", will be paid for at the contract unit price per "Square Yard" of riprap actually placed 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 "RECONSTRUCT RIPRAP ROCK FILL" will be paid for at the contract unit price per "Square Yard" as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, equipment, and all incidentals required to complete the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
201.0301	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (4"- 24")	1
201.0321	CLEARING AND GRUBBING	1
201.0402	REMOVE AND DISPOSE CONCRETE CURB	1
201.0403	REMOVE AND DISPOSE SIDEWALKS	2
201.0407	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE	3
201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	3
201.0410	REMOVE AND DISPOSE CATCH BASINS	4
201.0411	REMOVE AND DISPOSE CATCH BASIN AND GUTTER INLETS	4
201.0412	REMOVE AND DISPOSE MANHOLE	5
201.0413	REMOVE AND DISPOSE RISERS	5
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	6
201.0415	REMOVE AND DISPOSE GUARDRAIL AND POST ALL TYPES	6
201.0421	REMOVE AND DISPOSE BITUMINOUS CURB	7
201.0423	REMOVE AND DISPOSE HANDHOLE	8
201.0424	REMOVE AND DISPOSE RETAINING WALL	8
201.0425	REMOVE AND DISPOSE FLARED END SECTION	8
201.0430	REMOVE AND DISPOSE CONCRETE MEDIAN BARRIER	8
201.0432	REMOVE AND DISPOSE HEADWALL	9
201.0450	REMOVE AND STOCKPILE ON SITE GRANITE CURB	9
201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	9
201.0616	REMOVE AND DISPOSE LIGHT STANDARD FOUNDATIONS	10
201.0617	REMOVE AND DISPOSE CONDUIT - ALL SIZES	11
201.0622	REMOVE AND DISPOSE OVERHEAD SIGN PANEL	11
201.0623	REMOVE AND DISPOSE OVERHEAD SIGN STRUCTURE	11
201.9901	REMOVE AND DISPOSE DELINEATOR PANEL AND POST	11
201.9902	REMOVE & DISPOS OF LIGHT STD, LUMINAIRE	12
201.9903	REMOVE & DISPOS SERVICE LOAD CENTER & FOUNDATION	12
202.0100	EARTH EXCAVATION	12
202.0200	ROCK EXCAVATION COMMON	14
202.0400	MUCK EXCAVATION	14
202.0700	COMMON BORROW	14
203.0100	STRUCTURAL EXCAVATION EARTH	16
203.0700	PERVIOUS FILL	17
204.0100	TRIMMING AND FINE GRADING	17
206.0312	COMPOST FILTER SOCK 12 INCH DIAMETER	18
207.0206	SAND BAG EROSION DIKE STANDARD 9.6.0	19
207.0210	STONE CHECK DAMS	19
209.9901	INLET PROTECTION	20
212.2100	MAINTENANCE AND CLEANING OF EROSION AND POLLUTION CONTROLS	20
213.0100	PLACEMENT OF MILLINGS BENEATH GUARDRAIL	20
301.0300	CRUSHED STONE OR CRUSHED GRAVEL BASE MODIFIED	22
302.0100	GRAVEL BORROW SUBBASE COURSE	22
310.9904	PEA GRAVEL	24
401.1000	CLASS 19.0 HMA	24
401.1005	CLASS 19.0 HMA FOR MISCELLANEOUS WORK	25
401.2005	CLASS 12.5 HMA FOR MISCELLANEOUS WORK	25
401.2100	MODIFIED CLASS 12.5 HMA	25
401.3003	CLASS 9.5 HMA FOR PATCHING	27
401.9901	** ITEM DELETED **	27
402.9901	FRICITION COURSE	28
403.0300	ASPHALT EMULSION TACK COAT	30
409.0000	SAW & SEAL TRANSVERSE JOINTS IN BITUMINOUS CONCRETE PAVEMENT OVER RIGID BASE	31

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
410.1000	TEMPORARY PATCHING MATERIAL/TRENCHES	31
501.0103	PORTLAND CEMENT CONCRETE BASE	32
505.0100	CLASS X PORTLAND CEMENT CONCRETE BASE COURSE WITH CRACK CONTROL	32
601.0200	** ITEM DELETED **	32
701.0412	REINFORCED CONCRETE PIPE M 170 CLASS III 12 INCH	32
701.0415	REINFORCED CONCRETE PIPE M 170 CLASS III 15 INCH	35
701.0418	REINFORCED CONCRETE PIPE M 170 CLASS III 18 INCH	35
701.0424	REINFORCED CONCRETE PIPE M 170 CLASS III 24 INCH	36
701.0612	REINFORCED CONCRETE PIPE M 170 CLASS V 12 INCH	36
701.0615	REINFORCED CONCRETE PIPE M 170 CLASS V 15 INCH	36
701.0618	REINFORCED CONCRETE PIPE M 170 CLASS V 18 INCH	36
701.2912	12 INCH CORR ALUMINUM CULVERT PIPE M196 (MINIMUM GAUGE)	36
701.7712	12 INCH REINFORCED CONCRETE PIPE END SECTION STANDARD 2.3.0	37
701.7718	18 INCH REINFORCED CONCRETE PIPE END SECTION STANDARD 2.3.0	37
701.7724	24 INCH REINFORCED CONCRETE PIPE END SECTION STANDARD 2.3.0	37
701.8002	PIPE BEDDING CLASS B	38
701.9901	ELECTRIC MANHOLE	38
701.9902	5" PVC ELECT. CONDUIT	38
701.9903	4" PVC ELECT. CONDUIT	39
701.9904	ELECTRIC SERVICE HANDHOLE	39
701.9911	TELEPHONE MANHOLE	39
701.9912	4" PVC TELEPHONE CONDUIT	39
701.9921	CATV MANHOLE	40
701.9922	4" PVC QUADRADUCT	40
702.0513	FRAME AND GRATE STANDARD 6.3.1	40
702.0515	FRAME AND GRATE HIGH CAPACITY STANDARD 6.3.3	40
702.0517	FRAME AND GRATE, STANDARD 6.3.2	42
702.0522	FRAME AND COVER STANDARD 6.2.1	43
702.0605	PRECAST CATCH BASIN 4' DIAMETER STANDARD 4.4.0	44
702.0630	PRECAST MANHOLE 4' DIAMETER STANDARD 4.2.0	46
702.0635	PRECAST MANHOLE 5' DIAMETER STANDARD 4.2.1	47
702.9901	OUTLET CONTROL STRUCTURE	47
702.9902	PRECAST MANHOLE 4' DIAMETER STANDARD 4.2.0 WITH BAFFLE WALL	47
703.0708	** ITEM DELETED **	48
703.9901	4" PERFORATED CORRUGATED POLYETHYLENE PIPE M252 UNDERDRAIN	48
703.9902	6" PERFORATED POLYVINYL CHLORIDE PIPE M278 WITH LOCKABLE CAP	48
704.0300	RECONSTRUCT CATCH BASIN/VERTICAL WALLS	48
704.0400	RECONSTRUCT MANHOLE/VERTICAL WALLS	49
706.9000	PLUG AND CAP PIPE ALL SIZES	49
707.0950	ADJUST TELEPHONE MANHOLE TO GRADE	50
707.0955	ADJUST ELECTRICAL MANHOLE TO GRADE	50
707.1000	ADJUST SANITARY MANHOLE	50
707.1200	ADJUST CATCH BASIN TO MANHOLE	50
707.1900	ADJUST FRAME & COVER TO GRADE	51
707.2000	ADJUST FRAME AND GRATE TO GRADE	52
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	52
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	54
709.0200	CONCRETE HEADWALLS FOR PIPE CULVERTS STANDARD 2.1.0	55

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
711.9901	SEEDED DITCH STANDARD 8.1.0 - MODIFIED	56
713.8269	ADJUST WATER GATE BOXES TO GRADE	56
713.8300	ADJUST GAS GATE BOXES TO GRADE	56
800.9901	HORIZONTAL BRIDGE SLIDE - BR. 062801	56
800.9902	HORIZONTAL BRIDGE SLIDE - BR. 062901	57
800.9903	BRIDGE TRANSPORT WITH SPMT-PONTIAC AVE. BRIDGE 062701 (WESTBOUND)	57
800.9904	BRIDGE TRANSPORT WITH SPMT-PONTIAC AVE. BRIDGE 062701 (EASTBOUND)	57
800.9906	PAWTUXET RIVER SOUTH BRIDGE NO. 062801 SUPERSTRUCTURE	57
800.9907	PAWTUXET RIVER NORTH BRIDGE NO. 062901 SUPERSTRUCTURE	57
800.9908	PAWTUXET RIVER SOUTH BRIDGE NO. 062801 SUBSTRUCTURE	57
800.9909	PAWTUXET RIVER NORTH BRIDGE NO. 062901 SUBSTRUCTURE	58
800.9910	JEFFERSON BOULEVARD BRIDGE NO. 063501 SUPERSTRUCTURE	58
800.9911	JEFFERSON BOULEVARD BRIDGE NO. 063501 SUBSTRUCTURE	58
800.9913	PONTIAC AVENUE BRIDGE NO. 062701 SUPERSTRUCTURE	58
800.9914	PONTIAC AVENUE BRIDGE NO. 062701 SUBSTRUCTURE	58
800.9920	REPAIRS TO ROUTE 37 BRIDGE NO. 063001	59
800.9921	REPAIRS TO ROUTE 37 BRIDGE NO. 063101	59
800.9922	REPAIRS TO ROUTE 37 BRIDGE NO. 063201	59
800.9923	REPAIRS TO ROUTE 37 BRIDGE NO. 063301	59
800.9924	REPAIRS TO ROUTE 37 BRIDGE NO. 063401	59
800.9925	REPAIRS TO ROUTE 37 BRIDGE NO. 063801	60
800.9926	REPAIRS TO ROUTE 37 BRIDGE NO. 063601	60
800.9927	REPAIRS TO ROUTE 37 BRIDGE NO. 063701	60
800.9928	REPAIRS TO ROUTE 37 BRIDGE NO. 062601	60
800.9930	CONSTRUCTION SITE ACCESS - BRIDGE 062801 AND BRIDGE 062901	60
800.9931	CONSTRUCTION SITE ACCESS - BRIDGE 063601 AND BRIDGE 063701	60
803.9901	REMOVE AND DISPOSE EXISTING PONTIAC AVENUE BRIDGE NO. 062701	61
803.9902	REMOVE AND DISPOSE EXISTING PAWTUXET RIVER SOUTH BRIDGE NO. 062801	61
803.9903	REMOVE AND DISPOSE EXISTING PAWTUXET RIVER NORTH BRIDGE NO. 062901	61
803.9904	REMOVE AND DISPOSE EXISTING JEFFERSON BOULEVARD BRIDGE NO. 063501	61
805.9901	** ITEM DELETED **	62
805.9910	TEMPORARY EARTH RETAINING SYSTEMS	62
807.9901	RECONSTRUCT RIPRAP ROCK FILL	62
808.9901	CAST-IN-PLACE CONCRETE MEDIAN CLOSURE BARRIER	62
808.9902	CAST-IN-PLACE CONCRETE MEDIAN TRANSITION BARRIER	62
808.9903	CAST-IN-PLACE CONCRETE SINGLE FACE F-SHAPE BARRIER	63
810.9901	EMBEDDED GALVANIC ANODES	63
813.9910	** ITEM DELETED **	63
817.2112	REPAIRS TO STRUCTURE CONCRETE MASONRY - PATCHING MORTAR	64
817.9901	REPAIRS TO STRUCTURAL CONCRETE MASONRY (PATCHING MORTAR)	64
817.9902	REPAIRS TO STRUCTURAL CONCRETE MASONRY (FORM AND CAST IN PLACE)	65
817.9904	EXPANSION JOINT HEADER REPAIRS WITH POLYMER MORTAR	65
817.9905	BRIDGE NO. 126401 CULVERT FLOOR CRACK REPAIR	66
818.9901	PORTLAND CEMENT CONCRETE DECK REPAIRS (PARTIAL DEPTH REMOVAL)	66
818.9902	PORTLAND CEMENT CONCRETE DECK REPAIRS (FULL DEPTH REMOVAL)	67
818.9903	PRECAST RIGID PAVEMENT TRANSITION SLAB	67

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
819.0800	DRILL AND GROUT REINFORCING DOWELS	68
824.9910	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 063001	68
824.9911	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 063101	68
824.9912	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 063201	68
824.9913	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 063301	68
824.9914	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 063601	69
824.9915	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 063701	69
825.9901	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL	69
832.8050	BRIDGE MINIMUM CLEARANCE SIGNS	69
832.8051	BRIDGE IDENTIFICATION SIGNS	69
833.0400	GRANITE IDENTIFICATION TABLETS	70
836.0100	STRUCTURAL CONCRETE CRACK REPAIR BY EPOXY-RESIN BASE ADHESIVE INJECTION	70
842.0100	ANTI-GRAFFITI COATING	70
901.9901	STEEL BEAM GUARDRAIL SINGLE FACE (MASH)	71
901.9902	GUARDRAIL STEEL BEAM ANCHORAGE TRAILING END SECTION (MASH)	72
901.9903	GUARDRAIL END TREATMENT - ENERGY ABSORBING TERMINAL (MASH)	73
901.9904	GUARDRAIL END TREATMENT PLATFORM	73
901.9905	STEEL BEAM GUARDRAIL TO END POST TRANSITION	74
901.9906	ENCASED POST FOR SHALLOW MOUNT GUARDRAIL	74
901.9907	STEEL DEEP POST - SLOPE BREAK CONDITION	75
901.9908	MGS LONG SPAN LSC-2 GUARDRAIL	75
903.0410	TEMPORARY CHAIN LINK FENCE	75
905.0110	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0	75
905.0140	BITUMINOUS SIDEWALK STANDARD 43.2.0	76
906.0100	SLOPE FACED GRANITE CURB - QUARRY SPLIT STRAIGHT STANDARD 7.4.0	76
906.0101	SLOPE FACED GRANITE CURB - QUARRY SPLIT CIRCULAR STANDARD 7.4.0	77
906.0110	GRANITE CURB, QUARRY SPLIT STRAIGHT, STANDARD 7.3.0	77
906.0111	GRANITE CURB, QUARRY SPLIT CIRCULAR, STANDARD 7.3.0	78
906.0116	GRANITE CURB, QUARRY SPLIT 2 FOOT CORNERS, STANDARD 7.3.4	78
906.0118	6' GRANITE TRANSITION CURB, QUARRY SPLIT SPECIAL TRANSITION STANDARD 7.3.2	78
906.0120	GRANITE WHEELCHAIR RAMP CURB STANDARDS 7.3.3, 43.3.0 AND 43.3.1	79
906.0130	GRANITE RAMP STONE STRAIGHT STANDARD 7.3.9	79
906.0210	CEMENT CONCRETE CURB PRECAST STRAIGHT STANDARD 7.1.0	79
906.0211	CEMENT CONCRETE CURB PRECAST CIRCULAR STANDARD 7.1.0	80
906.0212	CEMENT CONCRETE CURB PRECAST 2' CORNER STANDARD 7.1.4	80
906.0221	6' PRECAST CONCRETE TRANSITION CURB STANDARD 7.1.2	81
906.0230	CEMENT CONCRETE SLOPE FACE CURB PRECAST STRAIGHT STANDARD 7.2.0	81
906.0250	PRECAST CONCRETE WHEELCHAIR RAMP CURB STANDARDS 7.1.3, 43.3.0 AND 43.3.1	81
906.0260	PRECAST CONCRETE RAMP STONE 12-INCH STRAIGHT STANDARD 7.1.9	82
906.0261	PRECAST CONCRETE RAMP STONE 12-INCH CIRCULAR STANDARD 7.1.9	82
906.0270	PRECAST CONCRETE TRANSITION CURB STANDARD 7.2.2	82
906.0280	3' PRECAST CONCRETE TRANSITION CURB STANDARD 7.1.1	83
906.0602	BITUMINOUS BERM STANDARD 7.5.1	83

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
906.9901	GRANITE CURB, QUARRY SPLIT STRAIGHT, STANDARD 7.3.0 - FOREBAY	83
907.0100	WATER FOR DUST CONTROL	84
907.0200	CALCIUM CHLORIDE FOR DUST CONTROL (PROJECT WIDE)	84
909.3020	** ITEM DELETED **	84
909.3021	PRECAST MEDIAN BARRIER SINGLE-FACED STANDARD 40.2.1	84
909.9901	PRECAST MEDIAN BARRIER SINGLE-FACED "F" SHAPE	84
911.0100	WET STONE MASONRY RETAINING WALL STANDARD 10.1.0	85
911.9901	MODULAR RETAINING WALL	85
914.5010	FLAGPERSONS	85
914.5020	FLAGPERSONS - OVERTIME	85
916.0600	SHOCK ABSORBING BARRIER MODULES	85
916.0650	** ITEM DELETED **	86
916.9901	NARROW CONDITION IMPACT ATTENUATOR FOR TEMPORARY TRAFFIC CONTROL	86
919.0101	TEST PITS	86
920.0055	PLACED STONE RIPRAP R-3, R-4, R-5 STANDARD 8.3.0	86
920.0070	DUMPED STONE RIPRAP R-3, R-4, 4-5 STANDARD 8.3.0	87
920.0130	BEDDING FOR RIPRAP FS-1 STANDARD 8.3.0	87
920.0135	BEDDING FOR RIPRAP FS-2 STANDARD 8.3.0	88
920.0200	FILTER FABRIC FOR RIP-RAP	88
921.9901	SLOPE PAVING REPAIR	89
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	89
923.0105	DRUM BARRICADE STANDARD 26.2.0	90
923.0120	PLASTIC PIPE BARRICADE STANDARD 26.3.0	91
923.0125	PLASTIC PIPE TYPE III BARRICADE STANDARD 26.3.1	91
923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	92
923.9901	TEMPORARY PEDESTRIAN CURB RAMP	92
924.0113	ADVANCE WARNING ARROW PANEL	92
925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	93
926.0140	REFLECTIVE DELINEATORS FOR TEMPORARY CONCRETE BARRIERS	93
926.0210	UNANCHORED BARRIER FOR TEMPORARY TRAFFIC CONTROL STANDARD 40.5.0	93
926.9901	UNANCHORED BARRIER FOR TEMPORARY TRAFFIC CONTROL (MASH TL-3)	94
926.9902	POLYETHYLENE WATER FILLED BARRIER FOR TEMPORARY TRAFFIC CONTROL	94
928.0500	SHADOW OR ADVANCE WARNING VEHICLE WITH IMPACT ATTENUATOR AND FLASHING ARROW BOARD	94
929.9901	PROJECT FIELD OFFICE	95
931.0110	CLEANING AND SWEEPING PAVEMENT	95
932.0100	CUTTING AND MATCHING ASPHALT	95
932.0110	TRANSVERSE PAVEMENT CUT AND MATCH STANDARD 47.1.1	96
932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	97
932.0210	FULL DEPTH SAWCUT OF BITUMINOUS PAVEMENT AND RIGID BASE	97
932.0220	FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY	98
932.0230	FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY	98
935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	99
936.0100	MOBILIZATION AND DEMOBILIZATION	100
936.9902	FORCE ACCOUNT BANK - UNEXPECTED AMTRAK DOWNTIME	100
937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	100
942.0200	DETECTABLE WARNING PANEL STANDARD 48.1.0	100
943.0200	TRAINEE MAN-HOURS	101

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
945.0100	REMOVE AND DISPOSE TRAFFIC SIGNAL EQUIPMENT	101
945.0200	REMOVE AND SALVAGE TRAFFIC SIGNAL EQUIPMENT	101
L01.0104	PLANTABLE SOIL 4 INCHES DEEP	102
L01.0106	HIGH ORGANIC SOIL 4 INCHES DEEP (SLOPES)	103
L01.0107	HIGH ORGANIC SOILS 6 INCHES DEEP (BOTTOM)	103
L01.9901	BIORETENTION SOIL	104
L02.0101	GENERAL HIGHWAY SEEDING (TYPE 1)	104
L05.0505	EROSION CONTROL BLANKET	105
L05.0508	STRAW MULCH	105
L06.9901	PINE BARK MULCH	106
L09.9901	SELECTIVE CLEARING	106
T03.6005	GROUND RODS 5/8'' DIAMETER BY 10' COPPER CLAD STEEL INCLUDING CLAMPS	106
T04.5001	6 AWG SINGLE CONDUCTOR CABLE 600V INSULATION	106
T04.5101	8 AWG SINGLE CONDUCTOR CABLE 600V INSULATION	107
T04.5302	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE	107
T04.5303	14 AWG 3 CONDUCTOR CABLE	107
T04.5305	14 AWG 5 CONDUCTOR CABLE	107
T04.5307	14 AWG 7 CONDUCTOR CABLE	107
T04.7300	IN-LINE FUSED DISCONNECT DEVICE WITH FUSE WEATHERPROOF	108
T04.9901	VIDEO DETECTION SYSTEM CABLE	108
T04.9902	19 AWG 6 PAIR TRAFFIC COMMUNICATIONS CABLE	108
T05.0100	PRECAST TYPE A HANDHOLE STANDARD 18.2.0	108
T05.0310	PULL BOX ON STRUCTURE TYPE W STANDARD 18.6.3	108
T05.9901	BREAK INTO EXISTING HANDHOLE	109
T06.1020	2 IN. RIGID STEEL CONDUIT - UNDERGROUND	109
T06.1030	3 IN. RIGID STEEL CONDUIT-UNDERGROUND	109
T06.2020	2 IN. RIGID STEEL CONDUIT-OVERHEAD	109
T06.3020	2 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	110
T06.3030	3 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	110
T06.3040	4 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	110
T06.5120	2 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	110
T06.5130	3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	111
T06.5140	4 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	111
T06.5230	3 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	111
T06.5320	2 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	111
T06.5330	3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	112
T06.5340	4 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	112
T06.5430	3 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	112
T06.5440	4 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	112
T06.6020	2 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT-OVERHEAD	112
T06.7103	EXPANSION COUPLING WITHOUT TRANSVERSE MOTION 3'' STEEL	113
T08.0100	LIGHT STANDARD FOUNDATION WITH ANCHOR BOLTS STANDARD 18.1.0	113
T08.1700	REMOVE AND RELOCATE LIGHT STANDARD	113

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
T08.2041	ALUMINUM LIGHTING STD. 40 FT. W/ SINGLE DAVIT ARM EXTN. 10 FT. STANDARD 18.3.0	113
T08.9901	UNDERPASS LUMINAIRE	113
T08.9902	ALUMINUM LIGHTING STD 30 X 8	114
T08.9903	RAISE LIGHT STANDARD TO GRADE	114
T09.1000	SERVICE PEDESTAL STANDARD 18.4.0	114
T09.9901	ELECTRIC METER PEDESTAL AND FOUNDATION	114
T09.9902	** ITEM DELETED **	114
T09.9903	SERVICE FEED/RISER CONNECTION	114
T11.2008	TRAFFIC SIGNAL STANDARD,8 FOOT,STD 19.4.0 ALUMINUM PEDESTAL POLE AND FOUNDATION	115
T11.2010	TRAFFIC SIGNAL STANDARD,10 FT, STD 19.4.0 ALUMINUM PEDESTAL POLE AND FOUNDATION	115
T11.9901	20 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION, STD. 19.2.0	115
T11.9902	25 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION, STD. 19.2.0	115
T11.9903	35 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION, STD. 19.2.0	116
T11.9904	50 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION, STD. 19.2.0	116
T11.9905	20 FOOT GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION, STD. 19.2.0 MODIFIED I	116
T11.9906	DUAL MAST ARM (30X30) GALVANIZED STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION, STD. 19.2.0	116
T12.9150	METER SOCKET W/MANUAL BY-PASS	117
T12.9901	ACTUATED CONTROLLER TS-2, TYPE 1 W/ 8 PHASE ASSEMBLY GROUND MOUNTED INCLUDING FOUNDATION AND CABINET STANDARD 19.1.0	117
T12.9902	** ITEM DELETED **	117
T12.9903	VIDEO DETECTION SYSTEM HARDWARE	117
T12.9904	TRAFFIC SIGNAL SYSTEM MASTER	117
T12.9905	MODIFY EXISTING ADVANCED TRAFFIC MANAGEMENT SYSTEM	118
T12.9906	GPS TIME SYNCHRONIZATION UNIT	118
T12.9907	CELLULAR MODEM	118
T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD 19.6.0	118
T13.1004	TRAFFIC DETECTOR RELAY-LOOP 4 CHANNEL	118
T13.8210	ACCESSIBLE PEDESTRIAN DETECTOR - PUSHBUTTON WITH SIGN	119
T13.9901	FIRE PRE-EMPTION CONFIRMATION BEACON	119
T13.9902	VIDEO DETECTION SYSTEM CAMERA	119
T14.3513	1 WAY 3 SECTION MAST ARM MOUNTED SIGNAL HEAD 12 INCH	119
T14.3516	1 WAY 4 SECTION MAST ARM MOUNTED SIGNAL HEAD 12 INCH (W/ DUAL IND DUAL ROW L.E.D. ARROW)	120
T14.3613	1 WAY 3 SECTION BRACKET MOUNTED SIGNAL HEAD 12 INCH	120
T14.3713	1 WAY 3 SECTION PEDESTAL MOUNTED SIGNAL HEAD 12 INCH	121
T14.9901	1 WAY PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER 12 INCH	121
T14.9902	1 WAY BRACKET MOUNTED LED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER 12 INCH	121
T14.9903	REMOVE AND REPLACE SIGNAL HEAD LED MODULE	122
T15.0100	DIRECTIONAL REGULATORY AND WARNING SIGNS	122
T15.0200	REMOVE AND RELOCATE DIRECTIONAL REGULATORY AND WARNING SIGN	125
T15.1000	STREET SIGN ASSEMBLY STD. 24.6.1	126

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
T15.1100	STREET SIGN - OVERHEAD MOUNTED	126
T15.2000	PARKING SIGNS	126
T15.9901	REFLECTIVE SIGN POST PANEL - RED	126
T16.0100	GROUND MOUNTED PRIMARY DIRECTIONAL SIGN PANELS EXTRUDED ALUMINUM	127
T16.0200	REMOVE AND RELOCATE GROUND MOUNTED SIGN	127
T16.0300	GROUND MOUNTED PRIMARY DIRECTIONAL SIGN POST-STEEL BREAKAWAY	127
T17.0100	OVERHEAD SIGN PANELS	128
T17.0204	OVERHEAD SIGN STRUCTURE 31-35 FOOT CANTILEVER - STEEL	128
T17.0205	OVERHEAD SIGN STRUCTURE 36-40 FOOT CANTILEVER - STEEL	128
T17.0209	OVERHEAD SIGN STRUCTURE 56-60 FOOT SPAN - STEEL	129
T17.0211	OVERHEAD SIGN STRUCTURE 66-70 FOOT SPAN - STEEL	129
T17.9901	OVERHEAD SIGN STRUCTURE AND FOUNDATION 41-45 FOOT CANTILEVER	129
T18.9901	DELINEATOR - WHITE	129
T18.9902	DELINEATOR - YELLOW	130
T18.9903	GUARDRAIL END DELINEATOR - RED	130
T18.9904	GUARDRAIL END DELINEATOR - GREEN	131
T20.0706	6 INCH WHITE WATERBORNE PAINT PAVEMENT MARKINGS	131
T20.0712	12 INCH WHITE WATERBORNE PAINT PAVEMENT MARKINGS	132
T20.0900	BI-DIRECTIONAL CONTROL DEVICE STANDARD 20.2.0	132
T20.0904	4 INCH YELLOW WATERBORNE PAINT PAVEMENT MARKINGS	133
T20.0906	6 INCH YELLOW WATERBORNE PAINT PAVEMENT MARKINGS	133
T20.0912	12 INCH YELLOW WATERBORNE PAINT PAVEMENT MARKINGS	134
T20.1401	WATERBORNE PAINT PAVEMENT MARKING SYMBOL - ARROW (STRAIGHT, LEFT, RIGHT OR COMBINED) STANDARD 20.1.0	134
T20.1410	WATERBORNE PAINT PAVEMENT MARKING WORD ("ONLY", "STOP", "YIELD", "AHEAD", "XING", "SCHOOL", OR OTHER) STANDARD 20.1.0	134
T20.2406	6 INCH WHITE FINAL EPOXY RESIN PAVEMENT MARKINGS	135
T20.2412	12 INCH WHITE FINAL EPOXY RESIN PAVEMENT MARKINGS	137
T20.2804	4 INCH YELLOW FINAL EPOXY RESIN PAVEMENT MARKINGS	138
T20.2806	6 INCH YELLOW FINAL EPOXY RESIN PAVEMENT MARKINGS	138
T20.2812	12 INCH YELLOW FINAL EPOXY RESIN PAVEMENT MARKINGS	139
T20.3401	FINAL EPOXY RESIN PAVEMENT MARKING SYMBOL - ARROW (STRAIGHT, LEFT, RIGHT OR COMBINED) STANDARD 20.1.0	139
T20.3410	FINAL EPOXY RESIN PAVEMENT MARKING WORD ("ONLY", "STOP", "YIELD", "AHEAD", "XING", "SCHOOL", OR OTHER) STANDARD 20.1.0	140

Table of Contents - Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

ItemCode	Description	Page
T20.4506	REMOVE PAVEMENT MARKING LINE - LESS THAN OR EQUAL TO 6 INCHES WIDE	141
T20.4508	REMOVE PAVEMENT MARKING LINE - GREATER THAN 6 INCHES WIDE	142
T20.9901	EPOXY RESIN PAVEMENT MARKING "WEST"	142
T20.9902	EPOXY RESIN PAVEMENT MARKING STATE ROUTE 37 SYMBOL	142
T07.9901	GENERAL HIGHWAY LIGHTING LED COBRAHEAD CUTOFF LUMINAIRE	142
T07.9902	WIRELESS LIGHTING CONTROLLER	143
T12.9908	ACTUATED CONTROLLER TS-2, TYPE 1 W/8 PHASE ASSEMBLY GROUND MOUNTED INCLUDING CABINET STD. 19.1.0 ON EXISTING FOUNDATION	143
601.0300	CLASS A PORTLAND CEMENT CONCRETE	143
703.9903	8" PERFORATED POLYVINYL CHLORIDE PIPE M278 UNDERDRAIN WITH FILTER MATERIAL STANDARD 1.1.0	143
708.9901	CLEANING AND FLUSHING CULVERTS ALL SIZES	144
813.0210	HEAT-APPLIED PREFABRICATED MEMBRANE	144
921.0100	SLOPE PAVING 16X8X4''	144
201.0405	REMOVE AND DISPOSE MASONRY	145
808.9904	PREFORMED POLYETHYLENE FOAM JOINT FILLER 1/4"	145
810.0210	GALVANIZED BAR REINFORCEMENT GRADE 60	145
810.0702	WELDED WIRE FABRIC (GALVANIZED)	145
817.9903	REPAIRS TO STRUCTURAL CONCRETE MASONRY (TYPE 2S)	146
818.9904	PORTLAND CEMENT CONCRETE DECK REPAIRS (PARTIAL DEPTH REMOVAL) BR 063601 & 063701	146
818.9905	PORTLAND CEMENT CONCRETE DECK REPAIRS (FULL DEPTH REMOVAL) BR 063601 & 963701	146
824.9916	HEAT STRAIGHTENING AND REPAIR OF COLLISION DAMAGED BEAMS/GIRDERS	147

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
130	803.9904	Cont. SUBSTRUCTURE				
Item 803.9904 Total:				1.00		
131	805.9901	PRECAST CONCRETE PAVEMENT	SF			
		BRIDGE 627 EB				
		BRIDGE 627 EB		2,268.00	0011	02
		BRIDGE 627 WB				
		BRIDGE 627 WB		1,536.00	0011	02
		BRIDGE 628				
		BRIDGE 628		2,328.00	0011	02
Item 805.9901 Total:				**DELETED**		
132	805.9910	TEMPORARY EARTH RETAINING SYSTEMS	LS			
		BRIDGE NO. 062701				
		100+00		1.00	0011	02
Item 805.9910 Total:				1.00		
133	807.9901	RECONSTRUCT RIPRAP ROCK FILL	SY			
		PROPOSED BRIDGE NO. 062801				
		ABUTMENTS		130.00	0011	02
Item 807.9901 Total:				130.00		
134	808.9901	CAST-IN-PLACE CONCRETE MEDIAN	LF			
		CLOSURE BARRIER				
		BRIDGE NO. 062701				
		EAST APPROACH		5.00	0011	02
		WEST APPROACH		18.00	0011	02
Item 808.9901 Total:				23.00		
135	808.9902	CAST-IN-PLACE CONCRETE MEDIAN	LF			
		TRANSITION BARRIER				
		BRIDGE NO. 062701				
		EAST APPROACH		14.00	0011	02

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
191	907.0100	WATER FOR DUST CONTROL	MGAL			
		IMPROVEMENTS TO PONTIAC AVENUE AND ROUTE 37 WEST RAMPS				
		100+00		100.00	0011	02
		RT 37 PROJECTWIDE				
		100+00		3,500.00	0011	02
Item 907.0100 Total:				10,100.00		
192	907.0200	CALCIUM CHLORIDE FOR DUST CONTROL	TON			
		(PROJECT WIDE)				
		IMPROVEMENTS TO PONTIAC AVENUE AND ROUTE37 WEST RAMPS				
		100+00		13.00	0011	02
Item 907.0200 Total:				13.00		
193	909.3020	PRECAST MEDIAN BARRIER	LF			
		SINGLE-FACED STANDARD 40.2.0				
		JEFFERSON BLVD				
		133+34 TO 134+40 RT		110.00	0021	03
		133+70 TO 134+70 LT		100.00	0021	03
Item 909.3020 Total:				**DELETED**		
194	909.3021	PRECAST MEDIAN BARRIER	LF			
		SINGLE-FACED STANDARD 40.2.1				
		JEFFERSON BLVD				
		133+34 TO 134+40 RT		110.00	0011	02
		133+70 TO 134+70 LT		100.00	0011	02
		RT 37 WB				
		195+50 TO 196+50		145.00	0011	02
Item 909.3021 Total:				355.00		
195	909.9901	PRECAST MEDIAN BARRIER	LF			
		SINGLE-FACED "F" SHAPE				

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
195	909.9901 Cont.	BRIDGE NO. 062701				
		BRIDGE NO. 062701		290.00	0021	03
Item 909.9901 Total:				290.00		

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
196	911.0100	WET STONE MASONRY RETAINING WALL	CY			
		STANDARD 10.1.0				
		SOCKANOSSET CROSS ROAD				
		STA. 412+43 TO STA. 412+79 LT		20.00	0021	03
		Item 911.0100 Total:		20.00		
197	911.9901	MODULAR RETAINING WALL	SF			
		FRONTAGE ROAD				
		STA. 100+80 TO STA. 103+60 RT		2,372.00	0003	04
		ROUTE 37 WB ON-RAMP FROM				
		PONTIAC AVENUE				
		STA. 306+30 TO STA. 307+95 RT		1,275.00	0003	04
		Item 911.9901 Total:		3,647.00		
198	914.5010	FLAGPERSONS	MHRS			
		PONTIAC AVENUE				
		AS NEEDED		2,880.00	0011	02
		Item 914.5010 Total:		2,880.00		
199	914.5020	FLAGPERSONS - OVERTIME	MHRS			
		PONTIAC AVENUE				
		AS NEEDED		288.00	0011	02
		Item 914.5020 Total:		288.00		
200	916.0600	SHOCK ABSORBING BARRIER MODULES	GRP			
		JEFFERSON BOULEVARD				
		JEFFERSON BOULEVARD		4.00	0011	02
		ROUTE 37 628/629				
		ROUTE 37 628/629			0011	02
		RTE 37				
		BR 063501		8.00	0011	02
		US ROUTE 1				
		US ROUTE 1		4.00	0011	02

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
200	916.0600	Cont.				
				Item 916.0600 Total:	16.00	
201	916.0650	REMOVE, RELOCATE AND RESET SHOCK	GRP			
		ABSORBING BARRIER MODULES				
		JEFFERSON BOULEVARD				
		JEFFERSON BOULEVARD			0011	02
		ROUTE 37 628/629				
		ROUTE 37 628/629			0011	02
		RTE 37				
		BR 063501			0011	02
		US ROUTE 1				
		US ROUTE 1			0011	02
				Item 916.0650 Total:	**DELETED**	
202	916.9901	NARROW CONDITION IMPACT ATTENUATOR	EACH			
		FOR TEMPORARY TRAFFIC CONTROL				
		END POST CONSTRUCTION				
		BR 062701		4.00	0011	02
		BR 062801		2.00	0011	02
		BR 062901		2.00	0011	02
		PONTIAC AVENUE				
		AS NEEDED		2.00	0011	02
				Item 916.9901 Total:	10.00	
203	919.0101	TEST PITS	EACH			
		PROJECT WIDE				
		100+00		29.00	0011	02
		ROUTE 37				
		100+00		1.00	0011	02
				Item 919.0101 Total:	30.00	
204	920.0055	PLACED STONE RIPRAP R-3, R-4, R-5	SY			
		STANDARD 8.3.0				

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
219	926.0210	Cont.				
		IN		240.00	0011	02
		OUT		400.00	0011	02
		ROUTE 37 628/629				
		ROUTE 37 628/629			0011	02
		RT 117				
		RT 117		1,720.00	0011	02
Item 926.0210 Total:				2,920.00		
220	926.9901	UNANCHORED BARRIER FOR TEMPORARY TRAFFIC CONTROL (MASH TL-3)	LF			
		BR 627				
		END POST		640.00	0011	02
		BR 628				
		END POST		560.00	0011	02
		BR 629				
		END POST		520.00	0011	02
		BR 635				
		STAGE 1		300.00	0011	02
		STAGE 2		300.00	0011	02
		FRONTAGE ROAD				
		STA. 100+38		20.00	0003	04
		STA. 108+70		20.00	0003	04
Item 926.9901 Total:				2,360.00		
221	926.9902	POLYETHYLENE WATER FILLED BARRIER FOR TEMPORARY TRAFFIC CONTROL	LF			
		PONTIAC AVENUE				
		AS NEEDED		200.00	0011	02
Item 926.9902 Total:				200.00		
222	928.0500	SHADOW OR ADVANCE WARNING VEHICLE WITH IMPACT ATTENUATOR AND FLASHING ARROW BOARD	HRS			

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
222	928.0500 Cont.	PONTIAC AVE.				
		PONTIAC AVE.			0011	02
		Route 37				
		BR. 631		1,080.00	0011	02
		BR. 632		3,456.00	0011	02
		BR. 633		3,456.00	0011	02
Item 928.0500 Total:				7,992.00		
223	929.9901	PROJECT FIELD OFFICE	PMO			
		PROJECT WIDE				
		PROJECT WIDE		38.00	0011	02
Item 929.9901 Total:				38.00		
224	931.0110	CLEANING AND SWEEPING PAVEMENT	HSY			
		FRONTAGE ROAD				
		STA. 99+95 TO STA. 108+90		45.00	0003	04
		PONTIAC AVENUE				
		STA. 16+20 TO STA. 28+50		170.00	0011	02
		ROUTE 37 WB OFF-RAMP TO PONTIAC AVENUE				
		STA. 200+15 TO STA. 205+58		54.00	0011	02
		ROUTE 37 WB ON-RAMP FROM PONTIAC AVENUE				
		STA. 299+68 TO STA. 308+25		44.00	0003	04
		SOCKANOSSET CROSS ROAD				
		STA. 410+25 TO STA. 412+90		32.00	0021	03
Item 931.0110 Total:				345.00		
225	932.0100	CUTTING AND MATCHING ASPHALT	LF			
		BRIDGE 627				
		EB 190+00		45.00	0011	02
		EB 194+00		42.00	0011	02
		WB 183+00		42.00	0011	02

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
259	T05.0310	Cont. ROUTE 37 AND PONTIAC AVE.				
		ROUTE 37 AND PONTIAC AVE.		7.00	0011	02
Item T05.0310 Total:				7.00		
S260	T05.9901	BREAK INTO EXISTING HANDHOLE	EACH			
		TRAFFIC SIGNAL PLAN NO. 2				
		AS SHOWN ON PLANS		1.00	0003	04
		TRAFFIC SIGNAL PLAN NO. 3				
		AS SHOWN ON PLANS		1.00	0021	03
Item T05.9901 Total:				2.00		
S261	T06.1020	2 IN. RIGID STEEL CONDUIT -	LF			
		UNDERGROUND				
		PONTIAC AVENUE				
		STA. 15+75 TO STA. 18+36 LT		252.00		
		STA. 16+75 TO STA. 18+46 RT		368.00		
		TRAFFIC SIGNAL PLAN NO. 2				
		AS SHOWN ON PLANS		80.00	0003	04
		TRAFFIC SIGNAL PLAN NO. 3				
		AS SHOWN ON PLANS		10.00	0021	03
Item T06.1020 Total:				710.00		
S262	T06.1030	3 IN. RIGID STEEL	LF			
		CONDUIT-UNDERGROUND				
		TRAFFIC SIGNAL PLAN NO. 2				
		AS SHOWN ON PLANS		60.00	0003	04
		TRAFFIC SIGNAL PLAN NO. 3				
		AS SHOWN ON PLANS		30.00	0021	03
Item T06.1030 Total:				90.00		
S263	T06.2020	2 IN. RIGID STEEL CONDUIT-OVERHEAD	LF			
		PONTIAC AVENUE				
		STA. 15+75 LT		12.00		

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S263	T06.2020 Cont.	STA. 16+75 RT		24.00		
		ROUTE 37 AND PONTIAC AVE.				
		ROUTE 37 AND PONTIAC AVE.		220.00	0011	02
		TRAFFIC SIGNAL PLAN NO. 2				
		AS SHOWN ON PLANS		20.00	0003	04
		TRAFFIC SIGNAL PLAN NO. 3				

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S263	T06.2020	Cont. AS SHOWN ON PLANS		20.00	0021	03
Item T06.2020 Total:				296.00		
S264	T06.3020	2 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	LF			
		TRAFFIC SIGNAL PLAN NO. 2				
		AS SHOWN ON PLANS		10.00	0003	04
		TRAFFIC SIGNAL PLAN NO. 3				
		AS SHOWN ON PLANS		60.00	0021	03
Item T06.3020 Total:				70.00		
S265	T06.3030	3 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	LF			
		SYSTEM INTERCONNECT PLAN				
		AS SHOWN ON PLANS		30.00	0021	03
		TRAFFIC SIGNAL PLAN NO. 2				
		AS SHOWN ON PLANS		70.00	0003	04
		TRAFFIC SIGNAL PLAN NO. 3				
		AS SHOWN ON PLANS		30.00	0021	03
Item T06.3030 Total:				130.00		
S266	T06.3040	4 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	LF			
		TRAFFIC SIGNAL PLAN NO. 2				
		AS SHOWN ON PLANS		10.00	0003	04
		TRAFFIC SIGNAL PLAN NO. 3				
		AS SHOWN ON PLANS		10.00	0021	03
Item T06.3040 Total:				20.00		
S267	T06.5120	2 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	LF			
		TRAFFIC SIGNAL PLAN NO. 2				

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-2

Estimate Name - Addendum 7

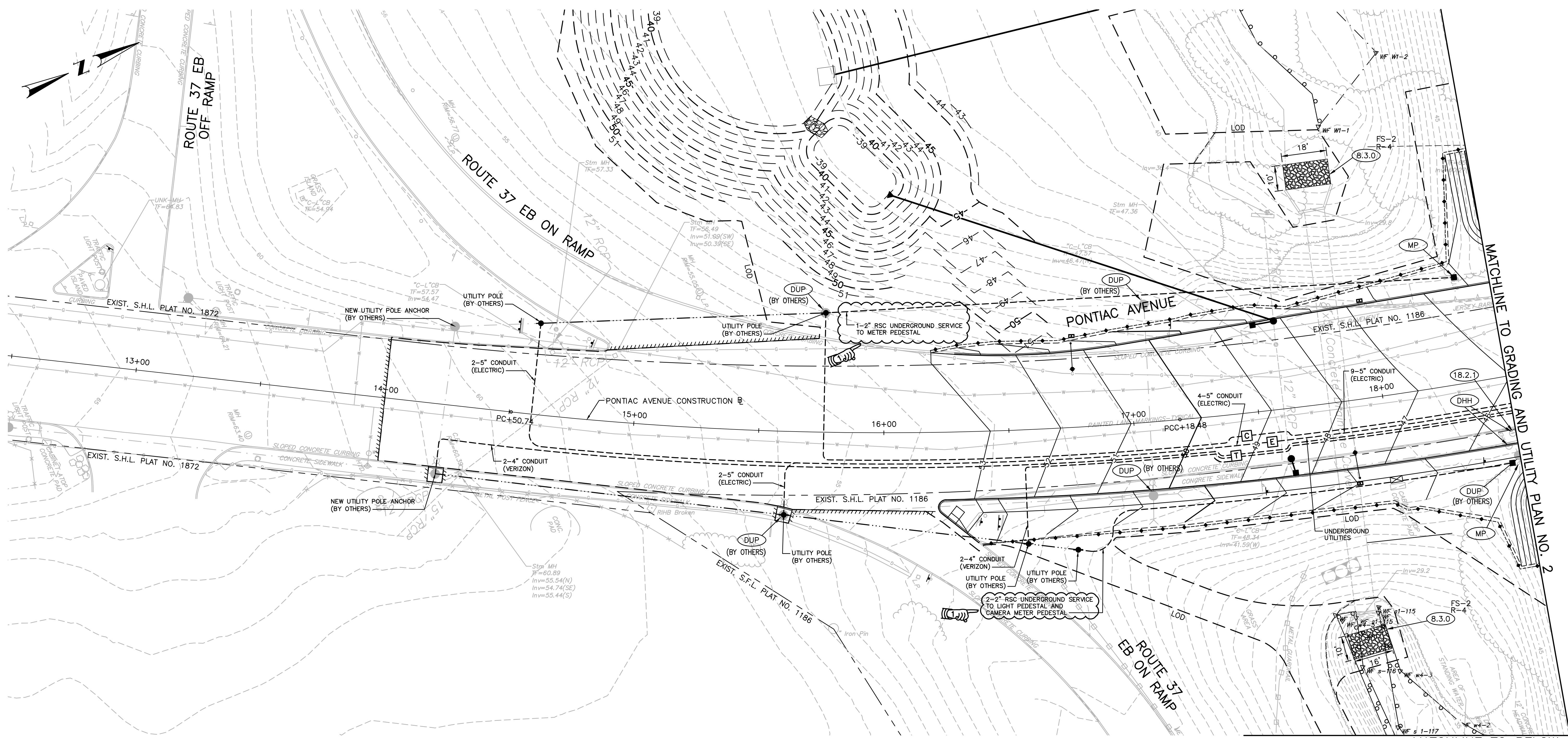
R.I. Contract No. - 2019-CB-027

FAP Nos: 3RD-PRTY(258), NHP-0037(012), NHPG-0037(013), NHP-TIGR(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S267	T06.5120	Cont.		450.00	0003	04

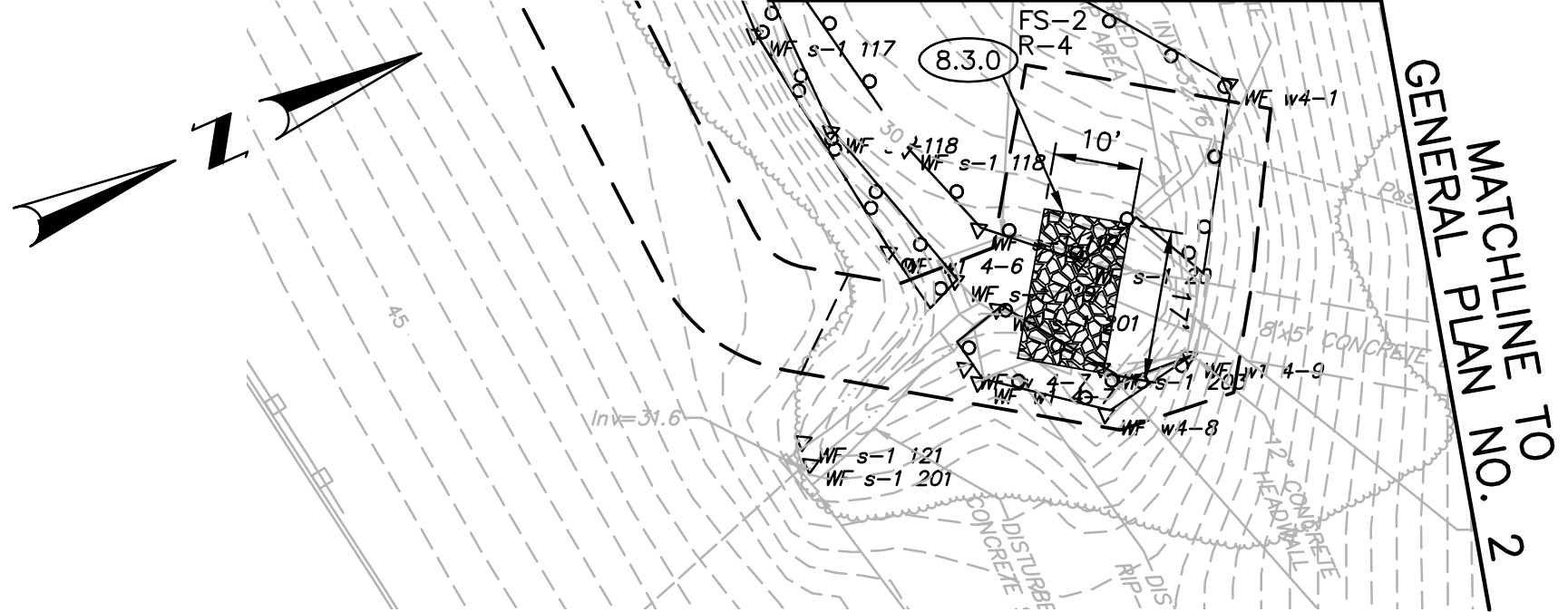
TRAFFIC SIGNAL PLAN NO. 3

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI		2019	17	80



MATCHLINE TO ABOVE

MATCHLINE TO BELOW



NOTE:

1. DRAINAGE SYSTEM, STORMWATER TREATMENT UNITS AND RELATED GRADING (DASHED) SHOWN AS REFERENCE ONLY. SEE VOLUME 1 PLANS.
2. STREET LIGHTING LOCATIONS SHOWN AS REFERENCE ONLY. SEE VOLUME 1 PLANS.



ADDENDUM NO. 7



REVISIONS			NO.	DATE	BY
1	11/18/19	VHB			

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
 BRIDGE GROUP 51A - RT. 37 C-2
 IMPROVEMENTS TO PONTIAC AVENUE
 AND ROUTE 37 WEST RAMPS
 CRANSTON, RHODE ISLAND

**GRADING AND UTILITY
 PLAN NO. 1**

CHECKED BY _____ DATE _____ SCALE _____