

April 19, 2019

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7598707

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2018-CB-022

FEDERAL-AID PROJECT NO. FAP Nos: BRO-0403(030)

Bridge Group 54A -Kingston Rd Bridge

CITY/TOWN OF Richmond

COUNTY OF WASHINGTON

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Clarification

1. Bid Opening Date

The Bid Opening Date has been changed to May 7th, 2019, at 1:00 PM.

2. Questions and Answers for Bridge Group 54A - I-95 Kingston Road

A copy of the Questions and Answers for the Bridge Group 54A - I-95 Kingston Road is attached to this Addendum No. 1.

B. Proposal

1. Item Code 401.9901- Only Acceptable Bid Price

The only acceptable bid price for Item Code 401.9901, PAY ADJUSTMENTS, is One Dollar And No Cents (\$1.00) per EACH.

C. Specification Change/Addition

1. Page JS-i

Remove Page JS-i in its entirety and replace with revised page JS-i (R-1) attached to this Addendum No. 1. The index has been revised.

2. Pages JS-6a, JS-6b, JS-6c, and JS-6d

Insert after Page JS-6 new pages JS-6a through JS-6d attached to this Addendum No. 1. Payment for Work Specification has been added.

D. Distribution of Quantities

1. Index Page 1 through Index Page 6

Remove Index Page 1 through Index Page 6 and replace it with revised Index Page 1 (R-1) through Index Page 6 (R-1) attached to this Addendum No. 1. The Table of Contents has been revised.

2. Page 20

Remove Page 20 and replace it with revised Page 20 (R-1) attached to this Addendum No. 1. The quantity location for Item Code 201.9905 has been revised.

3. Page 104

Remove Page 104 and replace it with revised Page 104 (R-1) attached to this Addendum No. 1. Item Code 935.9901 has been deleted.

4. Page 107

Remove Page 107 and replace it with revised Page 107 (R-1) attached to this Addendum No. 1. The quantity for Item Code L02.0101 has been revised.

5. Page 112

Remove Page 112 and replace it with revised Page 112 (R-1) and new Page 112a attached to this Addendum No. 1. The quantity for Item Code T04.5001 has been revised.

6. Page 113

Remove Page 113 and replace it with revised Page 113 (R-1) and new Page 113a attached to this Addendum No. 1. The quantity for Item Code T04.5302 has been revised.

7. Page 115

Remove Page 115 and replace it with revised Page 115 (R-1) and new Page 115a attached to this Addendum No. 1. The quantity for Item Code T04.5305 has been revised.

8. Page 116

Remove Page 116 and replace it with revised Page 116 (R-1) and new Page 116a attached to this Addendum No. 1. The quantity for Item Code T04.5305 and T04.5309 has been revised. Item Code T04.5312 has been deleted.

9. Page 117

Remove Page 117 and replace it with revised Page 117 (R-1) attached to this Addendum No. 1. Item Code T04.5312 has been deleted.

10. Page 120

Remove Page 120 and replace it with revised Page 120 (R-1) and new Page 120a attached to this Addendum No. 1. The quantity Item Code No. T05.0400 and T06.1020 has been revised.

11. Page 121

Remove Page 121 and replace it with revised Page 121 (R-1) and new Page 121a attached to this Addendum No. 1. The quantity for Item Code T06.5120 has been revised.

12. Page 122

Remove Page 122 and replace it with revised Page 122 (R-1) and new Page 122a attached to this Addendum No. 1. The quantity for Item Code T06.5130 has been revised.

13. Page 128

Remove Page 128 and replace it with revised Page 128 (R-1) and new Page 128a attached to this Addendum No. 1. The quantity for Item Code T12.0018 and T12.9150 has been revised. Item Code T12.9904 has been deleted.

14. Page 129

Remove Page 129 and replace it with revised Page 129 (R-1) attached to this Addendum No. 1. Item Code T12.9904 and T12.9905 has been deleted.

15. Page 130

Remove Page 130 and replace it with revised Page 130 (R-1) and new Page 130a attached to this Addendum No. 1. The quantity for Item Code T13.1004 has been revised.

16. Page 131

Remove Page 131 and replace it with revised Page 131 (R-1) and new Page 131a attached to this Addendum No. 1. The quantity for Item Code T13.9907 has been revised.

17. Page 132

Remove Page 132 and replace it with revised Page 132 (R-1) attached to this Addendum No. 1. The quantity for Item Code T13.9907 has been revised.

18. Page 161

Remove Page 161 and replace it with revised Page 161 (R-1) attached to this Addendum No. 1. The quantity for Item Code T12.0004 has been added.

E. Drawings/Plans - Change/Addition

1. Volume 1 Plan Sheet No. 5 - Job Specific Legend

Remove Volume 1 Sheet No. 5 in its entirety and replace it with revised Sheet No. 5 (R-1) attached to this Addendum No. 1. Job Specific Legend has been revised.

2. Volume 1 Plan Sheet No. 107 - Signal Plan No. 3

Remove Volume 1 Sheet No. 107 in its entirety and replace it with revised Sheet No. 107 (R-1) attached to this Addendum No. 1. The Item Number Legend and Signal Plan has been revised.

3. Volume 1 Plan Sheet No. 108 - Signal Plan No. 4

Remove Volume 1 Sheet No. 108 in its entirety and replace it with revised Sheet No. 108 (R-1) attached to this Addendum No. 1. The Item Number Legend and Signal Plan has been revised.

4. Volume 1 Plan Sheet No. 115 - Maintenance & Protection of Traffic Plan No. 2
Remove Volume 1 Sheet No. 115 in its entirety and replace it with revised Sheet No. 115 (R-1) attached to this Addendum No. 1. The Typical Section has been revised.
5. Volume 2 Plan Sheet No. 16 - GRS Wall Details
Remove Volume 2 Sheet No. 16 in its entirety and replace it with revised Sheet No. 16 attached to this Addendum No. 1. The North GRS Abutment Section has been revised.
6. Volume 2 Plan Sheet No. 29 - Diaphragm Details
Remove Volume 2 Sheet No. 29 in its entirety and replace it with revised Sheet No. 29 (R-1) attached to this Addendum No. 1. The End Diaphragm (D-1) detail has been revised.



RI Department of Transportation

Administrator, Division of Project Management

Questions and Answers For:

Bridge Group 54A - Kingston Road 2018-CB-022

Please Note: *If this is the first time accessing our system on our new web site, you will be required to reset your password.*

**The ask question function is now disabled;
please call 401-222-2495 x 4100 with any new questions.**

Date Asked: 04/17/2019

Date Answered: 04/19/2019

Poster: Joseph T. Godino

Company: J.R. Vinagro Corporation

Question:

In clarification of the previous question, is it intended that the diaphragm stiffeners have a 5/8" weld or is a 5/16" sufficient?

Answer:

The weld will be revised to 5/16" by Addendum.

Date Asked: 04/17/2019

Date Answered: 04/19/2019

Poster: Joseph Godino

Company: John Rocchio Corporation

Question:

Ref: Sheet 29 of 41, End Diaphragm (D-1) Detail: Shows a 5/8 (TYP) inch fillet weld for "3/4" X 5" bearing stiffeners" which appears to be an error since these stiffeners are attached to the diaphragm. Although, Section A on this sheet shows a "3/4" X 7" End Bearing Stiffener" with a 5/16 weld. Please confirm which is correct.

Answer:

The 5" X 5" bearing stiffeners are welded to the webs of the end diaphragm. Section A shows the connection of the end diaphragms to the Girder with 3/4" X 7" connection plates; these are also the end bearing stiffeners of the Girder. All welds are 5/16. The detail will be corrected by Addendum.

Date Asked: 04/17/2019

Date Answered: 04/19/2019

Poster: Lee Taylor

Company: D'Ambra Const. Co., Inc.

Question:

Can RIDOT provide Job Specific Spec's. for Item Codes 301.9902 and 301.9903 ? I could not find any detailed description for these.

Answer:

These items are pay codes only. These items are specifically required for the construction of the "GRS Abutments & Walls With Modular Block Facing" and are adequately described within the associated Special Provision Code 911.99.

Date Asked: 04/16/2019**Date Answered:** 04/19/2019**Poster:** Joe Colapietro**Company:** Cardi Corporation**Question:**

What mixes will be using the Intelligent Compaction? Can this be further clarified? There will be temporary mix and hand mix in addition to the permanent mix being placed.

Answer:

Intelligent compaction is only required for Friction Course mix.

Date Asked: 04/16/2019**Date Answered:** 04/17/2019**Poster:** Joe Colapietro**Company:** Cardi Corporation**Question:**

What is meant by Soil Erosion and Sediment Control Plan Certification?

Answer:

The Soil Erosion and Sediment Control Plan Certification listed in Appendix A of the CS Pages refers to the submittal of the fully signed document.

Date Asked: 04/12/2019**Date Answered:** 04/16/2019**Poster:** Anthony Mesiti**Company:** Cardi Corporation**Question:**

CAN THE WIDTH OF THE LONG. DECK CLOSURE POURS BE INCREASED TO ELIMINATE THE UHPC AND USE A HIGH EARLY CONCRETE?

Answer:

UHPC Deck closure pours shall be as detailed on the Plans.

Date Asked: 04/12/2019**Date Answered:** 04/16/2019**Poster:** Anthony Mesiti**Company:** Cardi Corporation**Question:**

DOES THE DEPARTMENT HAVE A NEARBY OFF-SITE LOCATION TO FABRICATE THE PBU'S?

Answer:

In accordance with the Contract Special Provisions, the Contractor is responsible for the fabrication of the PBU's. The off-site location for fabrication of PBU's is any site other than in the final erected position of the PBU's and is subject to the Contractor's means and methods. The Department does not have a nearby off-site location for the Contractor's use.

Date Asked: 04/11/2019

Date Answered: 04/12/2019

Poster: Anthony Mesiti

Company: Cardi Corporation

Question:

Deck Panel Type A shows the parapet on sheet 33. Please clarify if the parapet is precast with the deck or is the parapet poured in place.

Answer:

The parapet on the deck is cast-in-place. It is intended to be cast on and become part of Deck Panel Type A. To facilitate the Contractor's construction operations, the Department will allow the parapet to be cast-in-place after Deck Panel A has been erected in its final position provided the Contractor adheres to all other Contract requirements.

Date Asked: 04/11/2019

Date Answered: 04/12/2019

Poster: Anthony Mesiti

Company: Cardi Corporation

Question:

Due to the weight of the PBU's, approved RIDOT precast plants are telling us that the weight of the PBU's are greater than what they can handle and transport. Please advise which approved precast plants can fabricate and deliver the PBU's.

Answer:

It is intended that the pre-fabricated bridge units (PBU's) be constructed off-site (other than in final erected position) utilizing standard construction procedures and cast-in place concrete in accordance with the Standard Specifications. Utilizing precast plants was not intended. To facilitate the Contractor's construction operations, the Department will allow the parapet to be cast in place after Deck Panel A has been erected in its final position provided the Contractor adheres to all other Contract requirements.

Date Asked: 04/11/2019

Date Answered: 04/12/2019

Poster: Anthony Mesiti

Company: Cardi Corporation

Question:

Does the precast elements and PBU's have to be fabricated at an approved RIDOT precastor shop?

Answer:

Bridge components identified on the Plans as "precast" are required to be fabricated at an approved RIDOT precast plant. Concrete components of the pre-fabricated bridge units (PBU's) are identified as "cast-in-place" and need not be fabricated at an approved RIDOT precast plant (see also response to question above).

Date Asked: 04/10/2019

Date Answered: 04/11/2019

Poster: Lee Taylor

Company: D'Ambra Const. Co., Inc.

Question:

Item #51 - Pay Adjustments - 10,000 each. Quest does not have a given bid price.

Answer:

The only acceptable bid price for Item 401.9901, PAY ADJUSTMENTS is One Dollar and No Cents (\$1.00) per Each. This will be added to the Proposal by Addendum.

Date Asked: 04/03/2019**Date Answered:** 04/04/2019**Poster:** Robert Berry**Company:** J F White Contracting**Question:**

Please confirm the pay quantity of 30,683.90 SY for item L02.0101.

Answer:

The quantity should be 30,683 SY. This will be corrected by Addendum.

Date Asked: 04/03/2019**Date Answered:** 04/04/2019**Poster:** Robert Berry**Company:** J F White Contracting**Question:**

General Provisions - Contract Specific, paragraph 10. B. - Please clarify if the utility downtime total work durations listed would be concurrent or end-to-end?

Answer:

It is expected that utility downtime work is end-to-end.

Date Asked: 04/02/2019**Date Answered:** 04/02/2019**Poster:** Susan Cullen**Company:** J.H. Lynch & Sons, Inc.**Question:**

Are vectorized smart PDF's from AutoCAD of the plans available? If so, can we please obtain a copy?

Answer:

Vectorized smart PDF's from AutoCAD are not available.

Date Asked: 04/01/2019**Date Answered:** 04/02/2019**Poster:** Anthony Mesiti**Company:** Cardi Corporation**Question:**

Please clarify the difference in Item Nos. 410.9901 and 935.9901.

Answer:

Item 935.9901 will be deleted by Addendum.

Date Asked: 04/01/2019**Date Answered:** 04/02/2019

Poster: Anthony Mesiti

Company: Cardi Corporation

Question:

Does the contractor have the option to cast-in-place the bridge components instead of using precast components?

Answer:

The Contract shall be bid as advertised.

SPECIFICATIONS – JOB SPECIFIC

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Remove **Subsection 109.06, Partial Payments**, pages AC-13 through AC-16 of the September 2018 Compilation of Approved Specifications and replace it with the following.

JOB-SPECIFIC

109.06

PAYMENT FOR WORK

109.06 PAYMENT FOR WORK.

a. General. The Department will make payment for Work before the Project is accepted and final payment is made. These payments for Work will be processed via progress payments. To receive a payment for Work, the Contractor shall prepare an invoice in accordance with **Subsection 109.06(c)**. The Department may suspend progress payments if the Contractor does not comply with the terms of the Contract or the Engineer's instructions or written directives. The Department will notify the Contractor whenever progress payments will be suspended. Processing of progress payments for work prior to the Department's acceptance and final payment of the Work does not constitute the Department's acceptance of the Work, and does not relieve the Contractor of responsibility for the Work, which includes but is not limited to:

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

b. Frequency. The Department will make progress payments bi-weekly (every two weeks) in accordance with established Department procedures. Progress payments will be subject to a 5 percent retainage.

c. Invoice for Payment for Work. The Contractor shall submit an invoice for payment bi-weekly (every two weeks), and, as requested by the Engineer, a weekly progress report for review detailing the items included in the invoice. The Contractor shall utilize and complete invoice forms supplied by the Department, including a certification for payment, in accordance with the instructions contained thereon.

d. Invoice for Partial Payment for Materials, Supplies, and Equipment. The Engineer may allow invoicing as provided above and permit partial payments for those materials, supplies, and equipment delivered to an approved location but not yet incorporated into the Work. Payment for materials, supplies and equipment furnished at an approved site but not yet incorporated into the Work will not exceed the lesser of the following amounts:

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

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

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

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

f. Subcontractor Payments and Release of Retainage. The Contractor shall notify RIDOT within 7 days upon the Contractor's assessment that the subcontractor's work is complete and ready for inspection for partial acceptance by RIDOT.

The Contractor shall make progress payments to the subcontractor incrementally as the Contractor is paid progress payments by RIDOT, with each progress payment made no more than 30 days from when so paid by RIDOT. The Work of a subcontractor will be inspected by RIDOT within 14 days of the date of Contractor's notification for partial acceptance. Within 30 days of partial acceptance of the completed subcontract work, the Department will pay the Contractor for all work covered by the acceptance including the relevant portion of retainage due the subcontractor. Within 30 days of receipt of such payment, the Contractor shall pay the subcontractor for all accepted subcontract work including all retainage owed. The Contractor must obtain RIDOT's prior written consent for good cause delays in or postponement of payment to the subcontractor.

g. Final Release of Contractor Retainage. Retainage due the Contractor will be released when all documentation requirements and items on the Punch List have been addressed to the satisfaction of the Engineer.

Procedures for Section 109.06 - Payment for Work

The Contractor shall prepare an invoice to apply for a payment for work completed. This invoice shall utilize the Request for Payment templates supplied by the Department, including the following attachments:

A. Detailed Invoice - The detailed invoice shall be submitted in both hard copy and Excel® and include the following information:

1. The date of the invoice.
2. The Project Name and State and Federal-Aid Project Numbers.
3. The Contract Item number(s) and name(s) for which the Contractor is seeking payment, as they appear in the Contract Proposal.
4. The date(s) each Contract Item was performed.
5. Name of Contractor/Subcontractor(s) that performed the work.
6. The location(s) where the Work associated with each Contract Item was performed, cross referenced to the location(s) shown in the Distribution of Quantities.
7. Invoiced Item Quantities: The quantity of each Contract Item performed by date and by location since the previous invoice.

For Lump Sum Items, the Contractor shall provide the percentage of work completed since the previous invoice. Prior to the start of work, the Contractor shall submit a Lump Sum Item Breakdown for the Engineer's review, acceptance and allocation of payments for the item, in accordance with **Section 109.07** of the Standard Specifications.

All calculations shall conform to the Method of Measurement and Basis of Payment portions of the appropriate Item Code(s). Documentation shall include, but is not limited to, backup calculations, measurements, sketches, and related supporting information.

8. Cumulative Item Quantities: A cumulative total of the quantities performed for each Contract Item, including the current request.
9. Bid Prices: The Contract Price for each Contract Item, including Unit Bid Items and Lump Sum Bid Items as applicable, shall be listed for each item being invoiced.
10. Extended Prices: Calculate the extended price of each item being invoiced in this request.

For Unit Bid Items, this is to be calculated by multiplying each item quantity completed during the invoice period by its Contract Unit Bid Price (i.e., $\text{Extended Price } \$ = \text{Qty. Invoiced} \times \text{Unit Bid Price}$).

For Lump Sum Items, this is to be calculated by multiplying each item by the percentage of work completed during the invoice period by its Lump Sum Bid Price (i.e., $\text{Extended Price } \$ = \% \text{ Complete-this-invoice-period} \times \text{Lump Sum Bid Price}$).

11. Total Invoice Price: Sum all extended prices calculated in step 10 and report this amount as the total amount being invoiced under the request.
- B. Certificates of Compliance** - A list of the Certificate(s) of Compliance attached or that have been submitted to the Department, including date(s) submitted, for the work that is listed on the invoice in accordance with **Section 106.04, Certification of Compliance**.
 - C. Certified Payrolls** - A list of the certified payrolls attached or that have been submitted to the Department, including date(s) submitted, for the work that is listed on the invoice. List all outstanding payrolls yet to be submitted by week ending date and Contractor\Subcontractor(s).
 - D. Subcontractor Payments** - A list of all payments (including all retainage payments) made to date to subcontractors for amounts previously billed and paid by the State for the related project.
 - E. Extra Work**- A list of approved and/or potential extra work subject to approval, including dates(s) when the work was identified and/or approved, and a description and associated cost(s) of the work, including information pertaining to when and by whom the work was performed.
 - F. EEO Certification** - A statement that all EEO documentation has been submitted as required by the Contract.
 - G. As-Built Data** - A set of as-built data in hard copy or electronic form of the work billed on the invoice, including plans, sketches, diagrams and all other information necessary for resulting in a complete and accurate set of as-built data representing the work completed. A final set of as-built plans is also required in accordance with **Section 934.03.3 (h), Field Control and Construction Layout**. □

General - Outstanding or missing documentation for Items A through G above will be a basis for rejection and/or modification of the Request for Payment.

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Project Name - Bridge Group 54A -Kingston Rd Bridge
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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
025	201.9904 Cont.	859+20 RT (SB) EXIT 3B RTE 138 WEST/HOPE VALLEY		1.00	0011	01
		868+70 LT (NB) EXIT 3B RTE 138 WEST/WYOMING		1.00	0011	01
		872+00 RT (SB) EXIT 3A RTE 138 EAST/SOUTH KINGSTOWN		1.00	0011	01
		881+50 LT (NB) EXIT 3A RTE 138 EAST/SOUTH KINGSTOWN		1.00	0011	01
Item 201.9904 Total:				4.00		
S026	201.9905	REMOVE AND SALVAGE TRAFFIC SIGNAL SYSTEM EQUIPMENT PROJECTWIDE	LS			
		TEMPORARY AND EXISTING TRAFFIC SIGNAL SYSTEM EQUIPMENT		1.00	0011	01
Item 201.9905 Total:				1.00		
027	201.9906	REMOVE AND STOCKPILE LIGHT STANDARDS HIGHWAY LIGHTING	EACH			
		I-95		28.00	0011	01
		KINGSTOWN RD		1.00	0011	01
		RAMPS NORTH OF RTE 138		13.00	0011	01
		RAMPS SOUTH OF RTE 138		16.00	0011	01
Item 201.9906 Total:				58.00		
S028	201.9930	REMOVE AND DISPOSE PVC JUNCTION BOX, WOODED POST, EXISTING LOOP WIRES RAMP B	EACH			
		3+40 RAMP D		1.00	0011	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
148	935.0400 Cont.	4+00 TO 8+50 (PV-P6)		1,200.00	0011	01
		RAMP E (PV-P1)				
		20+00 TO I-95 NB (PV-P1)		400.00	0011	01
		RAMP E (PV-P5)				
		PLAN NO. 4 (PV-P5)		335.00	0011	01
		RAMP E (PV-P6)				
		20+00 TO 26+32 (PV-P6)		1,685.00	0011	01
		6+32 TO 7+75 (PV-P6)		381.00	0011	01
		RAMP F (PV-P1)				
		8+40 TO I-95 NB (PV-P1)		133.00	0011	01
		RAMP F (PV-P5)				
		PLAN NO. 1 (PV-P5)		323.00	0011	01
		PLAN NO. 4 (PV-P5)		340.00	0011	01
		RAMP F (PV-P6)				
		3+75 TO 8+40 (PV-P6)		1,240.00	0011	01
		RAMP H (PV-P1)				
		11+45 TO I-95 SB (PV-P1)		233.00	0011	01
		RAMP H (PV-P5)				
		PLAN NO. 3 (PV-P5)		427.00	0011	01
		PLAN NO. 5 (PV-P5)		293.00	0011	01
		RAMP H (PV-P6)				
		3+75 TO 5+75 (PV-P6)		533.00	0011	01
Item 935.0400 Total:				57,851.00		
149	935.9901	REMOVE RUMBLE STRIP BY	LF			
		MICRO-MILLING AND FILL WITH HOT				
		MIX ASPHALT				
		I-95				
		856+50 TO 882+00 MEDIAN RIGHT			0011	01
		858+00 TO 882+00 MEDIAN LEFT			0011	01
		864+00 TO 866+60 RT			0011	01
		875+20 TO 876+20 RT			0011	01
Item 935.9901 Total:				**DELETED**		

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S156	L02.0101	Cont.				
		PLAN NO. 05 (PSOIL)		1,024.00	0011	01
		PLAN NO. 06 (PSOIL)		3,727.00	0011	01
		PLAN NO. 07 (PSOIL)		732.00	0011	01
		PLAN NO. 08 (PSOIL)		1,796.00	0011	01
		PLAN NO. 09 (PSOIL)		5,066.00	0011	01
		PLAN NO. 10 (PSOIL)		2,456.00	0011	01
		PLAN NO. 11 (PSOIL)		3,288.00	0011	01
		PLAN NO. 12 (PSOIL)		1,539.00	0011	01
		QUANTITY				
		ADJUSTMENT FOR ACTUAL FIELD CONDITIONS		2,800.00	0011	01
		ROUNDING			0011	01
Item L02.0101 Total:				30,683.00		
S157	L06.9901	AMELANCHIER CANADENSIS 7-8', B&B, 15' O.C.	EACH			
		KINGSTOWN ROAD				
		RAMP C/D		1.00	0011	01
		RAMP G/H		3.00	0011	01
Item L06.9901 Total:				4.00		
S158	L06.9902	BETULA NIGRA, 8-10', B&B, 15' O.C.	EACH			
		KINGSTOWN ROAD				
		RAMP C/D		5.00	0011	01
		RAMP G/H		6.00	0011	01
Item L06.9902 Total:				11.00		
S159	L06.9903	CEANOTHUS AMERICANUS, #1, CAN, 5' O.C.	EACH			
		KINGSTOWN ROAD				
		SE BRIDGE		66.00	0011	01
		SW BRIDGE		153.00	0011	01
Item L06.9903 Total:				219.00		

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S179	T04.5001 Cont.	SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET NEW POLE #3 TO CONTROLLER		180.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD NEW POLE STA. 310+84, 40.5' RT TO CONTROLLER		465.00	0011	01
		SIGNAL PLAN NO. 3 301+00 RT HH TO NEW CONTROLLER		80.00	0011	01
		EXIST. HH STA 301+40 RT TO 301+00 RT HH		140.00	0011	01
		SIGNAL PLAN NO. 4 EXISTING POLE STA. 297+50 LT TO NEW CONTROLLER		375.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET POLE #3 TO CONTROLLER		195.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD NEW POLE STA. 310+84, 40.5' RT TO CONTROLLER TO CONTROLLER		465.00	0011	01
Item T04.5001 Total:				1,900.00		
S180	T04.5302	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE	LF			
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET 316+10 RT HH TO 316+23 RT 36' HH		192.00	0011	01
		316+10 RT HH TO CONTROLLER		150.00	0011	01
		316+23 LT HH TO 316+96 LT HH		184.00	0011	01

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S180	T04.5302 Cont.	316+23 RT 36' HH TO 316+23		180.00	0011	01
		RLT HH				
		316+23 RT 36' HH TO 316+30		70.00	0011	01
		RT 51' HH				
		SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD				
		308+98 LT HH TO 309+67 LT		352.00	0011	01
		36' HH				

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S180	T04.5302 Cont.	309+08 RT HH TO 308+98 LT HH		380.00	0011	01
		309+08 RT HH TO 309+77 RT HH		528.00	0011	01
		309+67 LT 36' HH TO 309+67 LT 51' HH		66.00	0011	01
		309+77 RT HH TO CONTROLLER		174.00	0011	01
		SIGNAL PLAN NO.3				
		300+40 RT HH TO 300+50 LT HH		170.00	0011	01
		300+40 RT HH TO 301+00 RT HH		340.00	0011	01
		300+50 LT HH TO 301+00 LT HH		140.00	0011	01
		301+00 RT HH TO CONTROLLER		125.00	0011	01
		SIGNAL PLAN NO.4				
		296+00 RT HH TO 296 +30 LT HH		170.00	0011	01
		296+30 LT HH TO 296+80 LT HH		280.00	0011	01
		296+80 LT HH TO CONTROLLER		180.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 1				
		RAMP 'A' AND MAIN STREET				
		316+10 RT HH TO 316+23 RT 36' HH		96.00	0011	01
		316+10 RT HH TO CONTROLLER		125.00	0011	01
		316+23 LT HH TO 316+96 LT HH		92.00	0011	01
		316+23 RT 36' HH TO 316+23 LT HH		88.00	0011	01
		316+23 RT HH TO 316+30 RT HH		68.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD				
		308+98 RT HH TO 309+67 RT HH		352.00	0011	01
		309+08 RT HH TO 308+98 LT HH		380.00	0011	01
		309+08 RT HH TO 309+77 RT HH		440.00	0011	01
		309+30 LT HH TO 309+67 LT HH		66.00	0011	01
		309+77 RT HH TO CONTROLLER		145.00	0011	01
		TRAFFIC MONTORING STATIONS				
		RAMP A - RAMP B 4+00			0011	01
		RAMP D 4+50			0011	01

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S180	T04.5302 Cont.	RAMP E - RAMP F 8+00			0011	01
		RAMP H 3+40			0011	01
Item T04.5302 Total:				5,533.00		
S181	T04.5303	14 AWG 3 CONDUCTOR CABLE	LF			
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET				
		316+10 RT HH TO 316+23 RT 36' HH		64.00	0011	01

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S182	T04.5305	Cont.				
		SIGNAL 4 TO MAST ARM POLE		47.00	0011	01
		SIGNAL 5 TO SIGNAL 6		17.00	0011	01
		SIGNAL 6 TO MAST ARM POLE		47.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD				
		308+98 LT HH TO MAST ARM POLE		144.00	0011	01
		309+08 RT HH TO 308+98 LT HH		285.00	0011	01
		309+08 RT HH TO 309+77 RT HH		352.00	0011	01
		309+08 RT HH TO PED POLE		35.00	0011	01
		309+77 RT HH TO CONTROLLER		232.00	0011	01
		309+77 RT HH TO MAST ARM POLE		220.00	0011	01
		SIGNAL 1 TO SIGNAL 2		17.00	0011	01
		SIGNAL 2 TO MAST ARM POLE		47.00	0011	01
		SIGNAL 3 TO SIGNAL 4		17.00	0011	01
		SIGNAL 4 TO MAST ARM POLE		57.00	0011	01
		SIGNAL 5 TO MAST ARM POLE		35.00	0011	01
		SIGNAL 5 TO SIGNAL 6		47.00	0011	01
		SIGNAL PLAN NO. 3				
		300+40 RT HH TO 300+50 LT HH		180.00	0011	01
		300+40 RT HH TO 301+00 RT HH		180.00	0011	01
		301+00 RT HH TO CONTROLLER		50.00	0011	01
		SIGNAL 5 TO SIGNAL 6		25.00	0011	01
		SPAN POLE TO SIGNAL 6		120.00	0011	01
		SIGNAL PLAN NO. 4				
		296+00 RT HH TO 296+30 LT HH		425.00	0011	01
		296+00 RT HH TO 296+80 RT HH		330.00	0011	01
		296+00 RT HH TO SPAN POLE		100.00	0011	01
		296+30 LT HH TO 296+80 LT HH		560.00	0011	01
		296+30 LT HH TO SPAN POLE		255.00	0011	01
		296+80 LT HH TO SPAN POLE		110.00	0011	01
		296+80 RT HH TO SPAN POLE		180.00	0011	01
		CONTROLLER TO 296.80 LT HH		350.00	0011	01
		SIGNAL 3 TO SIGNAL 1		20.00	0011	01

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S182	T04.5305	Cont.				
		SIGNAL 4 TO SIGNAL 3		25.00	0011	01
		SIGNAL 5 TO SIGNAL 2		15.00	0011	01
		SIGNAL 6 TO SIGNAL 5		25.00	0011	01
		SIGNAL 8 TO SIGNAL 7		20.00	0011	01
		SIGNAL 9 TO SIGNAL 10		20.00	0011	01
		SPAN POLE TO SIGNAL 4		35.00	0011	01
		SPAN POLE TO SIGNAL 6		35.00	0011	01
		SPAN POLE TO SIGNAL 8		65.00	0011	01
		SPAN POLE TO SIGNAL 9		35.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 1				
		RAMP 'A' AND MAIN STREET				
		316+10 RT HH TO 316+23 RT		128.00	0011	01
		37' HH				
		316+10 RT HH TO CONTROLLER		100.00	0011	01
		316+23 RT HH TO 316+96 RT HH		368.00	0011	01
		316+96 RT HH TO SPAN POLE		300.00	0011	01
		SIGNAL 1 TO SIGNAL 2		19.00	0011	01
		SIGNAL 2 TO SIGNAL 6		33.00	0011	01
		SIGNAL 3 TO SPAN POLE		149.00	0011	01
		SIGNAL 4 TO SIGNAL 3		38.00	0011	01
		SIGNAL 6 TO SIGNAL 4		33.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD				
		309+77 RT HH TO CONTROLLER		58.00	0011	01
		309+77 RT HH TO SPAN POLE		124.00	0011	01

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S182	T04.5305	Cont.				
		SIGNAL 5 TO SIGNAL 6		17.00	0011	01
		SIGNAL 5 TO SPAN POLE		71.00	0011	01
Item T04.5305 Total:				7,952.00		
S183	T04.5309	14 AWG 9 CONDUCTOR CABLE	LF			
		SIGNAL PLAN NO. 3				
		300+40 RT HH TO 300+50 LT HH		180.00	0011	01
		300+40 RT HH TO 301+00 RT HH		180.00	0011	01
		300+50 LT HH TO SPAN POLE		100.00	0011	01
		301+00 RT HH TO CONTROLLER		50.00	0011	01
		SIGNAL 2&3 TO SIGNAL 1&4		20.00	0011	01
		SPAN POLE TO SIGNAL 2&3		45.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 1				
		RAMP 'A' AND MAIN STREET				
		316+10 RT HH TO 316+23 RT		32.00	0011	01
		37' HH				
		316+10 RT HH TO CONTROLLER		25.00	0011	01
		316+23 RT 37' HH TO 316+96		92.00	0011	01
		RT HH				
		316+96 RT HH TO SPAN POLE		75.00	0011	01
		SIGNAL 3 TO SPAN POLE		41.00	0011	01
		SIGNAL 4 TO SIGNAL 3		16.00	0011	01
		SIGNAL 6 TO SIGNAL 4		19.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD				
		309+77 RT HH TO CONTROLLER		58.00	0011	01
		309+77 RT HH TO SPAN POLE		124.00	0011	01
		SIGNAL 3 TO SIGNAL 6		39.00	0011	01
		SIGNAL 5 TO SIGNAL 6		29.00	0011	01
		SIGNAL 5 TO SPAN POLE		71.00	0011	01
		SINGLE 2 TO SIGNAL 3		22.00	0011	01
Item T04.5309 Total:				1,218.00		

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S184	T04.5312	14 AWG 12 CONDUCTOR CABLE	LF			
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD				
		309+80 RT HH TO CONTROLLER			0011	01
		309+80 RT HH TO SPAN POLE			0011	01
		SIGNAL 3 TO SIGNAL 5			0011	01
		SIGNAL 5 TO SPAN POLE			0011	01

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S184	T04.5312 Cont.	Item T04.5312 Total:		**DELETED**		
S185	T04.6902	'2' STRANDED COPPER CONDUCTOR 600V INSULATION HIGHWAY LIGHTING	LF			
		I-95		20,145.00	0011	01
		KINGSTOWN ROAD		11,320.00	0011	01
		RAMPS NORTH OF KINGSTOWN ROAD		11,750.00	0011	01
		RAMPS SOUTH OF KINGSTOWN ROAD		10,482.00	0011	01
Item T04.6902 Total:				53,697.00		
S186	T04.6906	'6' STRANDED COPPER CONDUCTOR 600V INSULATION HIGHWAY LIGHTING	LF			
		I-95		6,365.00	0011	01
		KINGSTOWN ROAD		4,010.00	0011	01
		RAMPS NORTH OF KINGSTOWN ROAD		3,250.00	0011	01
		RAMPS SOUTH OF KINGSTOWN ROAD		3,190.00	0011	01
Item T04.6906 Total:				16,815.00		
S187	T04.6910	'10' STRANDED COPPER CONDUCTOR 600V INSULATION HIGHWAY LIGHTING	LF			
		I-95		3,240.00	0011	01
		KINGSTOWN ROAD		990.00	0011	01
		RAMPS NORTH OF KINGSTOWN ROAD		1,710.00	0011	01
		RAMPS SOUTH OF KINGSTOWN ROAD		1,710.00	0011	01
Item T04.6910 Total:				7,650.00		
S188	T04.7300	IN-LINE FUSED DISCONNECT DEVICE WITH FUSE WEATHERPROOF HIGHWAY LIGHTING	EACH			
		I-95		72.00	0011	01

Distribution of Quantities

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 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S192	T05.0300	Cont.				
				Item T05.0300 Total:	12.00	
193	T05.0400	BREAK INTO EXISTING HANDHOLE	EACH			
		EXIST. SIGNAL NO. 656				
		FOR NEW CONTROLLER		6.00	0011	01
		EXIST. SIGNAL NO. 746				
		FOR NEW CONTROLLER		4.00	0011	01
		HIGHWAY LIGHTING				
		ROUTE 138		1.00	0011	01
				Item T05.0400 Total:	11.00	
S194	T06.1020	2 IN. RIGID STEEL CONDUIT -	LF			
		UNDERGROUND				
		SIGNAL PLAN NO. 1 RAMP 'A' AND				
		MAIN STREET				
		NEW POLE #3 TO CONTROLLER		16.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND				
		KINGSTOWN ROAD				
		NEW POLE STA 310+84 RT TO		111.00	0011	01
		CONTROLLER				
		SIGNAL PLAN NO. 4				
		EXIST. POLE STA 297+50 LT TO		110.00	0011	01
		NEW CONTROLLER				
				Item T06.1020 Total:	237.00	
S195	T06.1030	3 IN. RIGID STEEL	LF			
		CONDUIT-UNDERGROUND				
		SIGNAL PLAN NO. 1 RAMP 'A' AND				
		MAIN STREET				
		316+23 LT HH TO MAST ARM		10.00	0011	01
		316+96 LT HH TO PED SIGNAL		15.00	0011	01
		316+96 RT HH TO MAST ARM		10.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND				

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S195	T06.1030	Cont. KINGSTOWN ROAD				
		308+98 LT HH TO MAST ARM		8.00	0011	01
		309+08 RT HH TO PED SIGNAL		8.00	0011	01
		309+77 RT HH TO MAST ARM		15.00	0011	01
Item T06.1030 Total:				66.00		

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S196	T06.2020	2 IN. RIGID STEEL CONDUIT-OVERHEAD	LF			
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET				
		NEW POLE #3		10.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD				
		NEW POLE STA 310+84 RT		10.00	0011	01
Item T06.2020 Total:				20.00		
S197	T06.5120	2 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	LF			
		HIGHWAY LIGHTING KINGSTOWN ROAD		2,560.00	0011	01
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET				
		316+10 RT HH TO CONTROLLER		6.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD				
		309+77 RT HH TO CONTROLLER		6.00	0011	01
		SIGNAL PLAN NO. 4 296+80 LT HH TO CONTROLLER		10.00	0011	01
Item T06.5120 Total:				2,582.00		
S198	T06.5130	3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	LF			
		HIGHWAY LIGHTING I-95		6,065.00	0011	01
		KINGSTOWN ROAD		3,910.00	0011	01
		RAMPS NORTH OF RT. 138		2,800.00	0011	01
		RAMPS SOUTH OF RT. 138		3,230.00	0011	01
		SIGNAL PLAN NO. 1 RAMP 'A' AND				

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S198	T06.5130 Cont.	MAIN STREET				
		316+10 RT HH TO 316+23 RT HH		24.00	0011	01

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S198	T06.5130	Cont.				
		316+10 RT HH TO CONTROLLER		12.00	0011	01
		316+23 LT HH TO 316+96 LT HH		72.00	0011	01
		316+23 RT 36' HH TO 316+30		15.00	0011	01
		RT 51' HH				
		SIGNAL PLAN NO. 2 RAMP 'E' AND				
		KINGSTOWN ROAD				
		309+67 LT 36' HH TO 309+67		14.00	0011	01
		LT 51' HH				
		309+77 RT HH TO CONTROLLER		12.00	0011	01
		SIGNAL PLAN NO. 3 STILSON ROAD				
		& KINGSTOWN ROAD				
		301+85 RT HH TO 301+08 RT HH		76.00	0011	01
		SIGNAL PLAN NO. 4				
		296+80 LT HH TO 298+80 LT HH		200.00	0011	01
		296+80 LT HH TO CONTROLLER		20.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 1				
		RAMP 'A' AND MAIN STREET				
		312+95 RT HH TO 309+77 RT HH		318.00	0011	01
		316+96 RT HH TO SPAN POLE		30.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD				
		309+77 RT HH TO SPAN POLE		17.00	0011	01
Item T06.5130 Total:				16,815.00		
199	T06.5220	2 INCH SCHEDULE 80 POLYVINYL	LF			
		CHLORIDE PLASTIC CONDUIT -				
		UNDERGROUND				
		HIGHWAY LIGHTING				
		RAMPS SOUTH OF RT. 138		320.00	0011	01
Item T06.5220 Total:				320.00		
S200	T06.5230	3 INCH SCHEDULE 80 POLYVINYL	LF			
		CHLORIDE PLASTIC CONDUIT -				

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
R.I. Contract No. - 2018-CB-022
FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S200	T06.5230	Cont. UNDERGROUND				
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET				

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S217	T11.9901	Cont.				
		309+10 LT 48'		1.00	0011	01
		309+94 RT 38'		1.00	0011	01
Item T11.9901 Total:				4.00		
S218	T12.0018	ACTUATED CONTROLLER TS-2, TYPE 1	EACH			
		W/8 PHASE ASSEMBLY GROUND MOUNTED				
		INCLUDING FOUNDATION AND CABINET				
		STD. 19.1.0				
		EXIST. SIGNAL NO. 746				
		296+60 LT		1.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 1				
		RAMP 'A' AND MAIN STREET				
		316+10 RT		1.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD				
		309+77 RT		1.00	0011	01
Item T12.0018 Total:				3.00		
S219	T12.9150	METER SOCKET W/MANUAL BY-PASS	EACH			
		SIGNAL PLAN NO. 3				
		NEW CONTROLLER		1.00	0011	01
		SIGNAL PLAN NO. 4				
		NEW CONTROLLER		1.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 1				
		RAMP 'A' AND MAIN STREET				
		316+10 RT		1.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD				
		309+77 RT		1.00	0011	01
Item T12.9150 Total:				4.00		
S220	T12.9903	MAINTENANCE OF TEMPORARY SIGNAL	LS			
		SYSTEM				

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S220	T12.9903 Cont.	KINGSTON ROAD				
		PROJECT WIDE		1.00	0011	01
Item T12.9903 Total:				1.00		
221	T12.9904	ACTUATED CONTROLLER, TS-2, TYPE 1 IN EXISTING CABINET	EACH			

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
221	T12.9904 Cont.	SIGNAL PLAN NO. 3				
		STILSON ROAD AND KINGSTOWN ROAD			0011	01
		SIGNAL PLAN NO. 4				
		STOP & SHOP PLAZA AND KINGSTOWN ROAD			0011	01
Item T12.9904 Total:				**DELETED**		
S222	T12.9905	MODIFY TRAFFIC SIGNAL CONTROLLER AND CABINET	EACH			
		SIGNAL PLAN NO. 3				
		STILSON ROAD AND KINGSTOWN ROAD			0011	01
		SIGNAL PLAN NO. 4				
		STOP & SHOP PLAZA AND KINGSTOWN ROAD			0011	01
Item T12.9905 Total:				**DELETED**		
S223	T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD	LF			
		19.6.0				
		EXIST. SIGNAL NO. 656				
		LOOP 1		132.00	0011	01
		LOOP 2		122.00	0011	01
		LOOP 3		122.00	0011	01
		LOOP 4		102.00	0011	01
		LOOP 5		122.00	0011	01
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET				
		LOOP 1		117.00	0011	01
		LOOP 2		104.00	0011	01
		LOOP 3		140.00	0011	01
		LOOP 4		134.00	0011	01
		LOOP 5		105.00	0011	01

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S223	T13.1000	Cont.				
		LOOP 6		117.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD				
		LOOP 1		149.00	0011	01
		LOOP 2		138.00	0011	01
		LOOP 3		116.00	0011	01
		LOOP 4		104.00	0011	01
		LOOP 5		105.00	0011	01
		LOOP 6		117.00	0011	01
		TEMP. SIGNAL PLAN NO. 1				
		LOOP 1		192.00	0011	01
		LOOP 2		192.00	0011	01
		LOOP 3		104.00	0011	01
		LOOP 4		105.00	0011	01
		LOOP 5		117.00	0011	01
		TEMP. SIGNAL PLAN NO. 2				
		LOOP 1		138.00	0011	01
		LOOP 2		149.00	0011	01
		LOOP 3		116.00	0011	01
		LOOP 4		105.00	0011	01
		LOOP 5		117.00	0011	01
Item T13.1000 Total:				3,381.00		
S224	T13.1004	TRAFFIC DETECTOR RELAY-LOOP 4 CHANNEL	EACH			
		EXIST. SIGNAL NO. 656				
		NEW CONTROLLER		2.00	0011	01
		EXIST. SIGNAL NO. 746				
		NEW CONTROLLER		2.00	0011	01
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET				
		CONTROLLER		2.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND				

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S224	T13.1004 Cont.	KINGSTOWN ROAD				
		CONTROLLER		2.00	0011	01
Item T13.1004 Total:				8.00		

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S225	T13.8200	PEDESTRIAN DETECTOR-PUSHBUTTON	EACH			
		W/SIGN				
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET				
		316+83 RT		1.00	0011	01
		317+07 LT		1.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD				
		308+90 LT		1.00	0011	01
		309+15 RT		1.00	0011	01
		Item T13.8200 Total:		4.00		
226	T13.9907	INTERCONNECT CABLE #19 AWG 6 PAIR	LF			
		TRAFFIC COMMUNICATIONS CABLE				
		SIGNAL PLAN NO. 1 RAMP A & MAIN STREET				
		312+95 RT HH TO 309+77 RT HH		338.00	0011	01
		316+10 RT HH TO 312+95 RT HH		334.00	0011	01
		316+10 RT HH TO CONTROLLER		25.00	0011	01
		SIGNAL PLAN NO. 2 RAMP E & KINGSTOWN ROAD				
		307+65 RT HH TO 304+85 RT HH		300.00	0011	01
		309+77 RT HH TO 307+65 RT HH		232.00	0011	01
		309+77 RT HH TO CONTROLLER		29.00	0011	01
		SIGNAL PLAN NO. 3 STILSON ROAD & KINGSTOWN ROAD				
		299+90 TO 200+30 RT HH		50.00	0011	01
		301+85 RT HH TO 301+08 RT HH		96.00	0011	01
		304+85 RT HH TO 301+85 RT HH		320.00	0011	01
		SIGNAL PLAN NO. 4				
		296+80 LT HH TO 298+80 LT		220.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 1 RAMP A & MAIN STREET				

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
226	T13.9907 Cont.	312+95 RT HH TO 309+77 RT HH		338.00	0011	01
		316+10 RT HH TO 312+95 RT HH		334.00	0011	01
TEMPORARY SIGNAL PLAN NO. 2						

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
226	T13.9907 Cont.	RAMP E & KINGSTOWN ROAD				
		307+65 RT HH TO 304+85 RT HH		300.00	0011	01
		309+77 RT HH TO 307+65 RT HH		231.00	0011	01
Item T13.9907 Total:				3,147.00		
S227	T14.3413	1 WAY 3 SECTION SPAN MOUNTED	EACH			
		SIGNAL HEAD 12 INCH				
		TEMPORARY SIGNAL PLAN NO. 1				
		RAMP 'A' AND MAIN STREET		4.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD		2.00	0011	01
Item T14.3413 Total:				6.00		
S228	T14.3423	2 WAY 3 SECTION SPAN MOUNTED	EACH			
		SIGNAL HEAD 12 INCH				
		TEMPORARY SIGNAL PLAN NO. 1				
		RAMP 'A' AND MAIN STREET		1.00	0011	01
		TEMPORARY SIGNAL PLAN NO. 2				
		RAMP 'E' AND KINGSTOWN ROAD		2.00	0011	01
Item T14.3423 Total:				3.00		
S229	T14.3513	1 WAY 3 SECTION MAST ARM MOUNTED	EACH			
		SIGNAL HEAD 12 INCH				
		SIGNAL PLAN NO. 1 RAMP 'A' AND MAIN STREET				
		316+25 LT DUAL MAST ARM		4.00	0011	01
		317+07 RT MAST ARM		2.00	0011	01
		SIGNAL PLAN NO. 2 RAMP 'E' AND KINGSTOWN ROAD				
		308+90 LT MAST ARM		2.00	0011	01
		309+66 RT DUAL MAST ARM		4.00	0011	01
Item T14.3513 Total:				12.00		

Distribution of Quantities

Project Name - Bridge Group 54A -Kingston Rd Bridge
 Estimate Name - Bridge Group 54A - I-95 Kingston Rd - Addendum 1
 R.I. Contract No. - 2018-CB-022
 FAP Nos: BRO-0403(030)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S258	T20.2306	Cont.				
		RAMP B		580.00	0011	01
		RAMP C		470.00	0011	01
		RAMP D		625.00	0011	01
		RAMP E		600.00	0011	01
		RAMP F		570.00	0011	01
		RAMP G		550.00	0011	01
		RAMP H		1,105.00	0011	01
Item T20.2306 Total:				55,036.00		
S259	T20.2308	8 INCH TEMPORARY EPOXY RESIN	LF			
		PAVEMENT MARKINGS YELLOW				
		KINGSTOWN ROAD PRIOR TO PHASE 1				
		CONSTRUCTION				
		310+30 TO 315+20 MEDIAN		795.00	0011	01
		316+74 TO 319+50 MEDIAN		205.00	0011	01
Item T20.2308 Total:				1,000.00		
S260	T20.9901	REMOVE EXISTING BI-DIRECTIONAL	EACH			
		CONTROL DEVICE AND PAVEMENT				
		MARKING ARROW				
		KINGSTOWN ROAD				
		RAMP C		2.00	0011	01
		RAMP G		2.00	0011	01
Item T20.9901 Total:				4.00		
261	T12.0004	ACTUATED CONTROLLER TS-2, TYPE 1	EACH			
		W/4 PHASE ASSEMBLY POLE MOUNTED				
		INCLUDING CABINET STD. 19.1.1				
		EXIST. SIGNAL NO. 656				
		STILSON RD & RTE. 138		1.00	0011	01
Item T12.0004 Total:				1.00		

JOB SPECIFIC LEGEND

- 3.3.4M** MODIFIED BRICK/SOLID BLOCK DOUBLE GRATE CATCH BASIN GRATE PARALLEL TO EDGE OF PAVEMENT WITH 4'-0" DEEP SUMP
- 3.4.1M** MODIFIED BRICK/SOLID BLOCK 4'-0" ROUND CATCH BASIN WITH GUTTER INLET AND 4'-0" DEEP SUMP STD. 3.4.1M
- 3.4.2M** MODIFIED BRICK/SOLID BLOCK TYPE "F" 4'-0" ROUND CATCH BASIN WITH 4'-0" DEEP SUMP STD. 3.4.2M
- 3.4.5M** MODIFIED BRICK/SOLID BLOCK TYPE "F" 6'-0" ROUND CATCH BASIN WITH 4'-0" DEEP SUMP STD. 3.4.5M
- 4.4.0M** MODIFIED PRECAST 4'-0" ROUND CATCH BASIN WITH 4'-0" DEEP SUMP STD. 4.4.0M
- 7.3.0S** GRANITE CURB, STRAIGHT, RESET FROM STOCKPILE

- 20.1.0** PAVEMENT MARKINGS ARROW AND ONLY
- 24.2.0** SIGN POST SELECTION AND INSTALLATION DETAILS U-CHANNEL POST (SIGNS UP TO 8'-0"W x 4'-0"H)
- 24.6.0** PARKING SIGN MOUNTING DETAIL
- 26.1.0** FLUORESCENT TRAFFIC CONE
- 34.1.0M** MODIFIED ROADSIDE GUARDRAIL INSTALLATION (SEE DETAIL)
- BCD** BITUMINOUS CONCRETE DRIVEWAY
3" CLASS 9.5 HMA (TWO-1.5" LIFTS)
8" GRAVEL BORROW SUBBASE COURSE

- BRS** CUT BITUMINOUS RUMBLE STRIP - SEE DETAIL
- CFS** COMPOST FILTER SOCK 12 INCH DIAMETER
- DGC** REMOVE AND STOCKPILE ON-SITE GRANITE CURB; REMOVE AND DISPOSE SURPLUS GRANITE CURB
- GR-A** GUARDRAIL END TREATMENT (TEST LEVEL 3)
- GR-B** GUARDRAIL END TREATMENT (TEST LEVEL 2)
- GR-C** STEEL THRIE BEAM BRIDGE CONNECTION
- GCA** THRIE BEAM GUARDRAIL CONNECTION TO END POST - APPROACH END SECTION
- GCT** THRIE BEAM GUARDRAIL CONNECTION TO END POST - TRAILING END SECTION
- LS6** WILDFLOWER SEED MIX (TYPE 6) FOR DRY SWALES
- M** PLACEMENT OF MILLINGS BENEATH GUARDRAIL
- MFRS** MICRO MILLING AND FILL RUMBLE STRIP WITH CLASS 9.5 HOT MIX ASPHALT NOT IN CONTRACT
- NUP** NEW UTILITY POLE (BY OTHERS)
- P-1** 1.80" FRICTION COURSE REMOVED BY MICRO MILLING
1.5" FRICTION COURSE
- P-2** 3" MODIFIED CLASS 12.5 HMA SURFACE COURSE
12" CLASS 19 HMA BASE COURSE WITH PAY ADJUSTMENTS (THREE-4" LIFTS)
12" GRAVEL BORROW SUBBASE COURSE
- P-3** 2" SURFACE COURSE REMOVED BY MICRO MILLING
2" MODIFIED CLASS 12.5 HMA SURFACE COURSE
- P-4** 2" MODIFIED CLASS 12.5 HMA SURFACE COURSE
7" CLASS 19 HMA BASE COURSE WITH PAY ADJUSTMENTS (TWO-3.5" LIFTS)
12" GRAVEL BORROW SUBBASE COURSE
- P-5** 1.5" SURFACE COURSE REMOVED BY MICRO MILLING
1.5" FRICTION COURSE
1.5"-3" CLASS 9.5 HMA LEVELING COURSE DEPTH VARIES - SEE GRADE PLANS
0"-7" CLASS 19 HMA BASE COURSE WITH PAY ADJUSTMENTS DEPTH VARIES - SEE GRADE PLANS (3.5" MAX. LIFTS)
- P-6** 1.5" SURFACE COURSE REMOVED BY MICRO MILLING
1.5" FRICTION COURSE
- P-7** 1.5" FRICTION COURSE
2" MODIFIED CLASS 12.5 HMA SURFACE COURSE
7" CLASS 19 HMA BASE COURSE WITH PAY ADJUSTMENTS (TWO-3.5" LIFTS)
12" GRAVEL BORROW SUBBASE COURSE

- RE-69** STEEL THRIE BEAM GUARDRAIL TRANSITION
- R&D** REMOVE & DISPOSE
- R&R** REMOVE & RESET
- RRP** DUMPED STONE RIP-RAP AT FLARED END SECTIONS, PAVED WATERWAYS, DITCHES AND HEADWALLS. MODIFIED NSA NO. R-5 (920.0040) 18" DEEP WITH 12" MODIFIED NSA NO. FS-2 (920.0135) BEDDING FOR RIP-RAP PLACED ON FILTER FABRIC FOR RIP-RAP (920.0200).

- S-1** CUTTING AND MATCHING ASPHALT, (932.0100)
- S-2** CUTTING AND MATCHING CONCRETE (932.0101)
- S-3** FULL DEPTH SAWCUT OF BITUMINOUS PAVEMENT (932.0200)
- S-4** FULL DEPTH SAWCUT OF RIGID BASE BITUMINOUS PAVEMENT (932.0210)
- S-5** FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY (932.0220)
- S-6** FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY (932.0230)

- SCCB** SEDIMENTATION CONTROL - CATCH BASIN
- SCI** SEDIMENTATION CONTROL - INLET STRUCTURE
- WCRA** WHEELCHAIR RAMP STD. 43.3.0 WITH TRANSITION CURB STD. 7.3.2, TRANSITION CURB STD. 7.3.3, RAMP STONE STD. 7.3.9 AND DETECTABLE WARNING SYSTEM STD. 48.1.0
- WCRB** WHEELCHAIR RAMP STD. 43.3.1 WITH TRANSITION CURB STD. 7.3.2, TRANSITION CURB STD. 7.3.3 AND DETECTABLE WARNING SYSTEM STD. 48.1.0

JOB SPECIFIC GENERAL NOTES:

- THE BASE OF LEVELS FOR THIS PROJECT IS NAVD 1988. DELETE THE VERTICAL CONTROL REFERENCE IN GENERAL NOTE 12 OF THE STANDARD NOTES -1 SHEET.
- TOPOGRAPHIC CONDITIONS ARE OBTAINED FROM AERIAL PHOTOGRAMMETRY. ACCURACY OF INFORMATION IS WITHIN ONE-HALF FOOT.
- THE CONTRACTOR SHALL RESTRICT THEIR STOCKPILE AREA ON STATE PROPERTY TO THE LOCATIONS DESIGNATED ON THE PLANS. RIDOT HIGHWAY AND MAINTENANCE SECTION TO ENSURE THAT NO CONTRACTOR CONFLICTS WITH THE MAINTENANCE DIVISION'S OPERATIONS OCCUR DURING THE PROJECT DURATION.
- ALL SURVEY FIELDBOOKS AND ELECTRONIC DATA SHALL BE SUBMITTED TO THE RIDOT SURVEY SECTION UPON COMPLETION OF PROJECT ALSO TO INCLUDE A LISTING OF ALL RI HIGHWAY BOUND DATA WITH STATIONS, OFFSETS AND COORDINATES.

JOB SPECIFIC DRAINAGE AND EROSION CONTROL NOTES:

- ALL DRAINAGE PIPES SHALL BE REINFORCED CONCRETE PIPE (RCP), CLASS III, WITH MORTAR JOINTS UNLESS OTHERWISE NOTED ON THE PLANS. ALL RCP 30" AND LARGER SHALL HAVE "O" RING GASKETS, AND THE JOINTS ON THE OUTSIDE OF THE PIPE SHALL BE MORTARED.
- ALL CATCH BASIN INLET GRATES SHALL HAVE 3-FLANGE FRAMES, UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL R.I. STD. 4.4.0M CATCH BASINS SHALL HAVE A 4-FOOT DIAMETER, UNLESS OTHERWISE NOTED ON THE PLANS.
- CATCH BASIN AND MANHOLE RIM ELEVATIONS SHOWN ON THE PLANS MATCH PROPOSED FINAL PAVEMENT SURFACE ELEVATIONS. THE CONTRACTOR SHALL DEPRESS THE CATCH BASIN GRATE RIMS 0.1 FEET BELOW THE FINAL PAVEMENT SURFACE ONLY AT THOSE LOCATIONS WHERE THE GRATE IS AT LEAST 2 FEET OUTSIDE THE TRAVEL LANE EDGE STRIPE.
- ALL EXISTING DRAINAGE STRUCTURES TO REMAIN SHALL BE CLEANED AND INSPECTED AT THE BEGINNING OF THE WORK. ANY NECESSARY REPAIRS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. A SECOND CLEANING OF ALL DRAINAGE STRUCTURES SHALL BE DONE PRIOR TO THE PROJECT COMPLETION.
- THE DRAINAGE SYSTEM SHALL BE INSPECTED AND CLEANED, AS REQUIRED, PRIOR TO ACCEPTANCE OF THE OVERALL PROJECT. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK IN ACCORDANCE WITH SUBSECTION 104.11 OF THE STANDARD SPECIFICATIONS.
- IN ALL CLEAR AND GRUB SLOPE AREAS 2:1 OR STEEPER WHICH WILL REMAIN EXPOSED TO EROSION FOR MORE THAN 2 WEEKS, THE CONTRACTOR SHALL BE RESPONSIBLE TO COVER THESE AREAS WITH FILTER FABRIC AND (R-3) RIP-RAP AT NO ADDITIONAL COST TO THE STATE.
- FOR ALL PROJECTS WITH AT LEAST ONE(1) ACRE OF SOIL DISTURBANCE, R.I.D.O.T. IS REQUIRED TO DEVELOP AND ENFORCE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ORDER TO REMAIN IN COMPLIANCE WITH THE RIPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS OF THE GENERAL PERMIT AND THE SITE SPECIFIC SWPPP FOR THIS PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE PROJECT SUPPLEMENTAL DVD. ALL COSTS ASSOCIATED WITH ADHERENCE TO THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED RIM AND INVERT GRADES PRIOR TO ORDERING ANY PRECAST STRUCTURE UNITS.

JOB SPECIFIC PAVEMENT MARKINGS NOTES:

- ALL PAVEMENT MARKINGS ARE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- TRAVEL LANE SKIP STRIPING LINES SHALL CONSIST OF 10' LINES WITH 30' SPACE.
- FINAL PAVEMENT MARKINGS SHALL BE WHITE AND YELLOW EPOXY RESIN.
- SEE THE GENERAL PROVISIONS - CONTRACT SPECIFIC DOCUMENTS FOR SPECIAL REQUIREMENTS FOR PAVEMENT MARKINGS.
- THE PERMANENT EPOXY RESIN PAVEMENT MARKINGS FOR THIS PROJECT WILL BE PERFORMED BY RIDOT'S STATEWIDE STRIPING CONTRACTOR.

JOB SPECIFIC PAVEMENT MARKING LEGEND

- 6WS** 6" EPOXY RESIN SKIP PAVEMENT MARKINGS - WHITE (SEE PLAN FOR LINE LENGTH AND SPACING)
- 8Y** 8" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
- 24YL** EPOXY RESIN PAVEMENT MARKING - WHITE
YIELD LINE SYMBOL 24" BASE x 36" HEIGHT/12" GAP
- T4DY** 4" FAST - DRYING WATERBORNE PAVEMENT MARKINGS - DOUBLE YELLOW
- T6W** 6" FAST - DRYING WATERBORNE PAVEMENT MARKINGS WHITE
- T6Y** 6" FAST - DRYING WATERBORNE PAVEMENT MARKINGS YELLOW
- T12W** 12" FAST - DRYING WATERBORNE PAVEMENT MARKINGS WHITE
- TYL** TEMPORARY EPOXY RESIN PAVEMENT MARKING - YIELD LINE SYMBOL 24" BASE x 36" HIGH/12" GAP

JOB SPECIFIC PLAN SYMBOLS

- | | |
|-------------------------|--|
| EXISTING | PROPOSED |
| ◦ GCS GAS CURB STOP | • GCS |
| ◦ WCS WATER CURB STOP | • WCS |
| ◦ EHH ELECTRIC HANDHOLE | ◻ EHH |
| ◦ HH ELECTRIC HANDHOLE | ◻ HH |
| ◦ SHH SIGNAL HANDHOLE | ◻ SHH |
| | ◻ TP-32
UTILITY TEST PIT (SEE SUBSURFACE UTILITY PLANS) |
| ◆-----◆ | ◆-----◆ COMPOST FILTER SOCK 12 INCH DIAMETER |

MASTER PLANT SCHEDULE

Key	Botanical Name Common Name	Qty	Size	Condition	Notes	Spacing
Ac	Amelanchier canadensis Shadbush	4	7-8'	B&B	multi-stem	15' OC
Bn	Betula nigra River birch	11	8-10'	B&B	multi-stem	15' OC
Cea	Ceanothus americanus New Jersey tea	219	#1	CAN	-	5' OC
Ca	Clethra alnifolia rubra Pink summersweet	41	#5	CAN	-	4' OC
Cr	Cornus racemosa Gray dogwood	71	#3	CAN	-	6' OC
Ig	Ilex glabra Inkberry	21	#5	CAN	-	4' OC
Iv	Ilex verticillata Winterberry	26	#3	CAN	-	4' OC
JK	Juniperus keteleeri Keteleeri juniper	20	4-5'	B&B	-	6' OC
Kl	Kalmia latifolia Mountain laurel	13	#5	CAN	-	4' OC
Kp	Koeleruteria paniculata Golden rain tree	17	2.5-3" cal.	B&B	-	As noted.
Mv	Magnolia virginiana Sweetbay magnolia	7	7-8'	B&B	-	As noted.
Mp	Myrica pensylvanica Bayberry	6	#5	CAN	-	6' o.c.
Pm	Prunus maritima Beach plum	10	#3	CAN	-	4' OC
RGL	Rhus aromatica Gro-Low Gro-Low sumac	134	#3	CAN	-	5' o.c.
Sj	Styphnolobium japonicum 'Regent' Regent scholar tree	20	3-3.5" cal.	B&B	-	As noted.

LANDSCAPE NOTES:

- All plant material must be tagged at the the nursery (recognized licensed grower of the plant material) in accordance with RI Standard Specifications. All plant materials must be nursery grown and no plantation grown plant material will be accepted.
- All plant material substitutions and/or changes in plant locations must be approved in accordance with the RI Standard Specifications.
- All plant materials shall be field located in accordance with the RI Standard Specifications.
- All trees and shrubs shall be mulched with pine bark mulch in accordance with the RI Standard Specifications.
- All trees and/or shrubs that are planted as a bed shall be mulched as a bed.

ADDENDUM No. 1

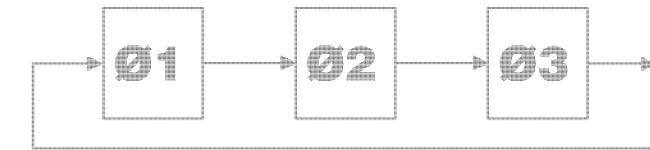


REVISIONS NO. DATE BY 1 4/4/19 NS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BRIDGE REPLACEMENT BRIDGE GROUP 54A - I-95 KINGSTON ROAD RICHMOND, RHODE ISLAND KINGSTON ROAD BRIDGE No. 403			
JOB SPECIFIC PLAN SYMBOLS, LEGEND AND NOTES			CHECKED BY _____ DATE _____ SCALE NO SCALE

PHASING, SEQUENCE AND TIMING

APPROACH	DIRECTION	HOUSING	PHASE 1	PHASE 2	PHASE 3	FLASH OPERATION
MINIMUM INTERVAL			6	10	6	
VEHICLE EXTENSION			2.7	2.7	2.4	
MAXIMUM 1			10	26	10	
YELLOW CLEARANCE			3.5	3.5	3	
RED CLEARANCE			1	1	1	
KINGSTOWN ROAD	EBL	1	G	Y	R	FY
KINGSTOWN ROAD	EB	2	G	Y	R	FY
KINGSTOWN ROAD	WB	5,6	R	G	Y	FY
STILSON ROAD	SB	3,4	R	R	G	FR
PEDESTRIAN X-ING						
DETECTOR			NON-LOCK	NON-LOCK	NON-LOCK	
RECALL			OFF	MIN	OFF	

PREFERRED PHASE SEQUENCE DIAGRAM



COORDINATION DATA

PLAN #	CYCLE LENGTH	OFFSET	PHASE SPLITS			HOURS OF OPERATION
			Ø1	Ø2	Ø3	
3	70	11	18	40	12	MONDAY-FRIDAY 6:30AM-7:00PM, SAT./SUN. 8AM-6PM

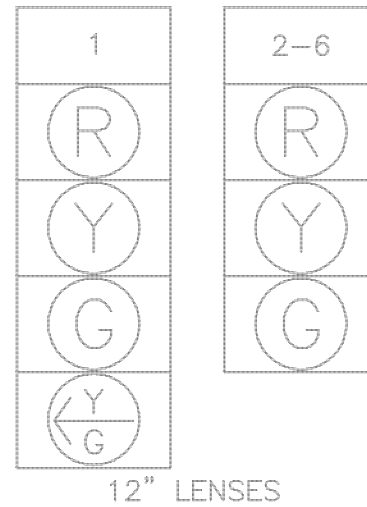
- NOTES:
- ALL OTHER TIMES TO BE FREE OPERATION (MAX 1 TIMING)
 - OFFSET REFERENCES PHASE 2 BEGINNING OF GREEN
 - SPLIT TIMES EQUAL GREEN TIME PLUS RED AND YELLOW CLEARANCE TIME

ITEM NO. LEGEND ITEM DESCRIPTION

1	□	PRECAST TYPE A HANDHOLE, STD. 18.2.0
1b		BREAK INTO EXISTING HANDHOLE
3d	—	3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT UNDERGROUND
3e	—	3 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT UNDER EXISTING PAVEMENT
7a	—	6 AWG SINGLE CONDUCTOR CABLE 600V INSULATION
7b	—	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE
7d	—	14 AWG 5 CONDUCTOR CABLE
7f	—	14 AWG 9 CONDUCTOR CABLE
7g	—	19 AWG 6 PAIR TRAFFIC COMMUNICATIONS CABLE (INTERCONNECT CABLE)
9a	□	TRAFFIC DETECTORS - LOOP, STD. 19.6.0
9c	□	TRAFFIC DETECTOR RELAYS - LOOP 4 CHANNEL
11a		REMOVE AND SALVAGE TRAFFIC SIGNAL SYSTEM EQUIPMENT
12		METER SOCKET W/ MANUAL BY-PASS
13	⊠	ACTUATED CONTROLLER, TS-2, TYPE 1 W/8 PHASE ASSEMBLY POLE MOUNTED, INCLUDING CABINET STD. 19.1.1

R-1

EXISTING SIGNAL FACES:

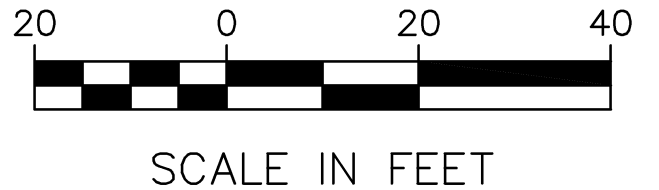
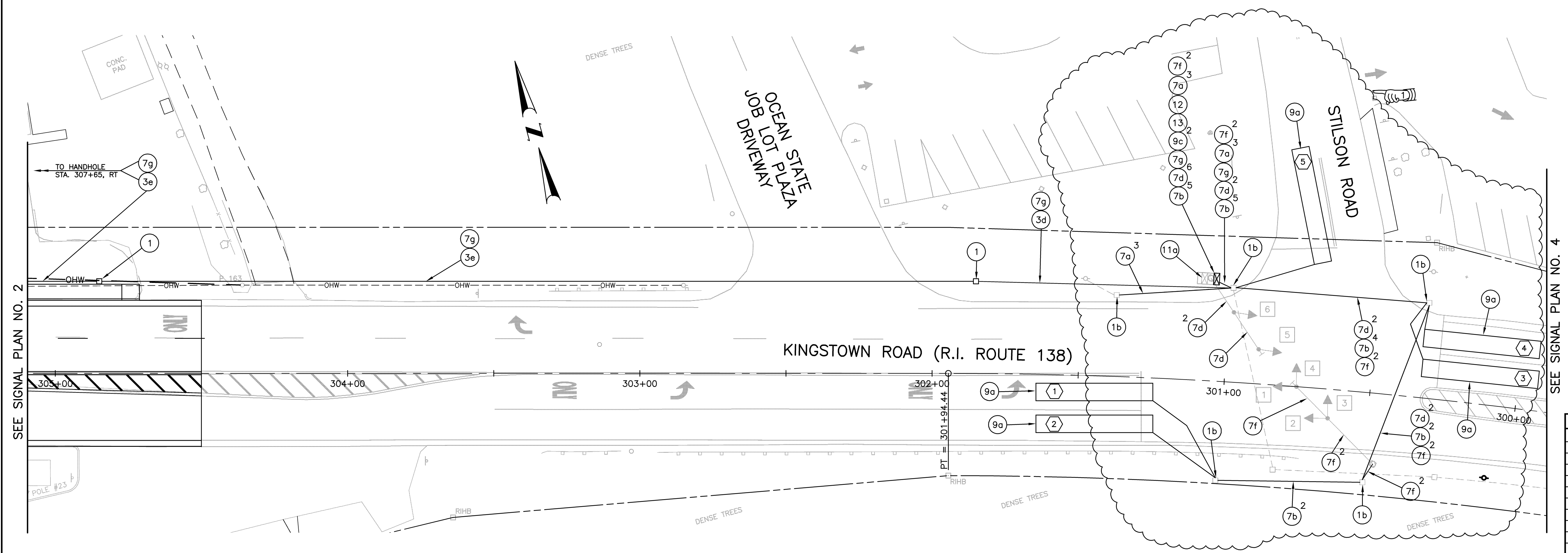


DETECTOR DATA

DETECTOR NO.	SIZE	RELAY NUMBER	SLOT	DELAY (SEC.)	CALL PHASE	REMARKS
1	6'X40'	1	2	3	1	NEW
2	6'X40'	1	2	3	2	NEW
3	6'X40'	1	2	3	2	NEW
4	6'X40'	1	2	3	2	NEW
5	6'X40'	2	4	5	3	NEW

TRAFFIC SIGNAL CONSTRUCTION NOTES:

- THE EXISTING CONDUIT NETWORK SHOWN ON THIS PLAN IS BASED ON ASSUMED LOCATIONS AND SIZES. THIS INFORMATION IS DRAWN FROM THE ORIGINAL SIGNAL PLAN. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDUIT LOCATIONS AND SIZES FOR ACCURACY AND ADEQUACY PRIOR TO PERFORMING THE WORK.
- SEE STANDARD NOTES PLAN AND JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES PLAN FOR ADDITIONAL INFORMATION.
- THE ITEM "REMOVE AND SALVAGE TRAFFIC SIGNAL SYSTEM EQUIPMENT" SHALL INCLUDE THE FOLLOWING MAJOR ITEMS AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SPECIAL PROVISION FOR ITEM CODE 201.9905:
(1) LOCAL CONTROLLER
(2) MASTER CONTROLLER
- EXISTING TRAFFIC SIGNAL SYSTEM TO BE REMOVED AND SALVAGED INCLUDES:
(1) ACTUATED CONTROLLER AND TRAFFIC DETECTOR RELAYS IN LOCAL CONTROLLER AND MISCELLANEOUS CABLE AND WIRING



ADDENDUM No. 1



REVISIONS		
NO.	DATE	BY
1	4/5/19	NS

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**BRIDGE REPLACEMENT
BRIDGE GROUP 54A -
I-95 KINGSTOWN ROAD**

RICHMOND, RHODE ISLAND

KINGSTOWN ROAD BRIDGE No. 403
SIGNAL PLAN NO. 3
STILSON ROAD & KINGSTOWN ROAD
EXISTING SIGNAL NO. 656

CHECKED BY _____ DATE _____ SCALE 1"=20'

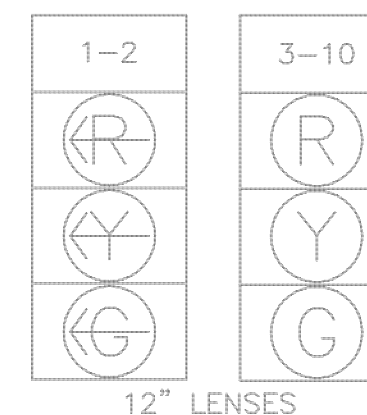
P:\01000166200 - Engineer - Road - Bridge - Drawing\Transportation - Common - Drawings\Kingston Road\TMS_V1_107_TSIGNAL005_ADD01.dwg, 4/11/2019 11:48:52 AM, RMA

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI		2019	108	160

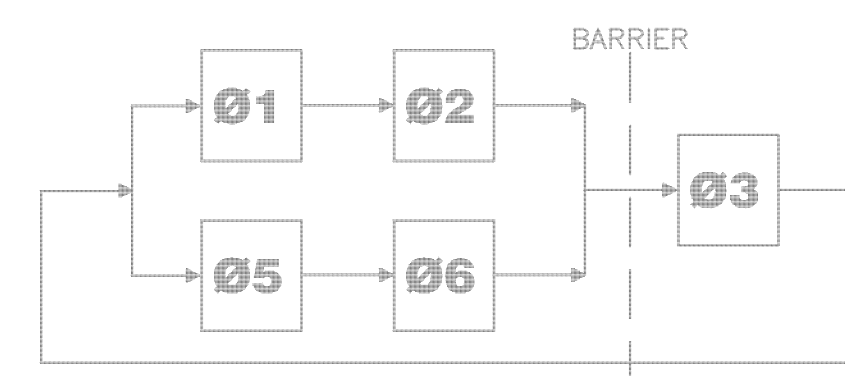
PHASING, SEQUENCE AND TIMING

APPROACH	DIRECTION	HOUSING	PHASE 1	PHASE 2	PHASE 3	PHASE 5	PHASE 6	FLASH OPERATION
MINIMUM INTERVAL			6	10	6	6	10	
VEHICLE EXTENSION			2.4	2.6	2.8	2.4	2.6	
MAXIMUM 1			10	28	6	10	32	
YELLOW CLEARANCE			3	4	3	3	4	
RED CLEARANCE			1	1	1	1	1	
KINGSTOWN ROAD	EBL	1	G	Y	R	R	R	FRA
KINGSTOWN ROAD	WBL	2	R	R	R	R	R	FRA
KINGSTOWN ROAD	EB	3,4	R	R	R	R	R	FY
KINGSTOWN ROAD	WB	5,6	R	R	R	G	Y	FY
RITE AID	NB	7,8	R	R	R	R	R	FR
STOP & SHOP	SB	9,10	R	R	R	G	Y	FR
DETECTOR			NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK	
RECALL			OFF	MIN	OFF	OFF	MIN	
			Ø1	Ø2	Ø3	Ø5	Ø6	

EXISTING SIGNAL FACES:



PREFERRED PHASE SEQUENCE DIAGRAM



COORDINATION DATA

PLAN #	CYCLE LENGTH	OFFSET	PHASE SPLITS			HOURS OF OPERATION
			Ø1 & Ø5	Ø2 & Ø6	Ø3	
4	70	0	17	39	14	MONDAY-FRIDAY 6:30AM-7:00PM, SAT./SUN. 8AM-6PM

- NOTES:
- ALL OTHER TIMES TO BE FREE OPERATION (MAX 1 TIMING)
 - OFFSET REFERENCES PHASE 1 BEGINNING OF GREEN
 - SPLIT TIMES EQUAL GREEN TIME PLUS RED AND YELLOW CLEARANCE TIME

DETECTOR DATA

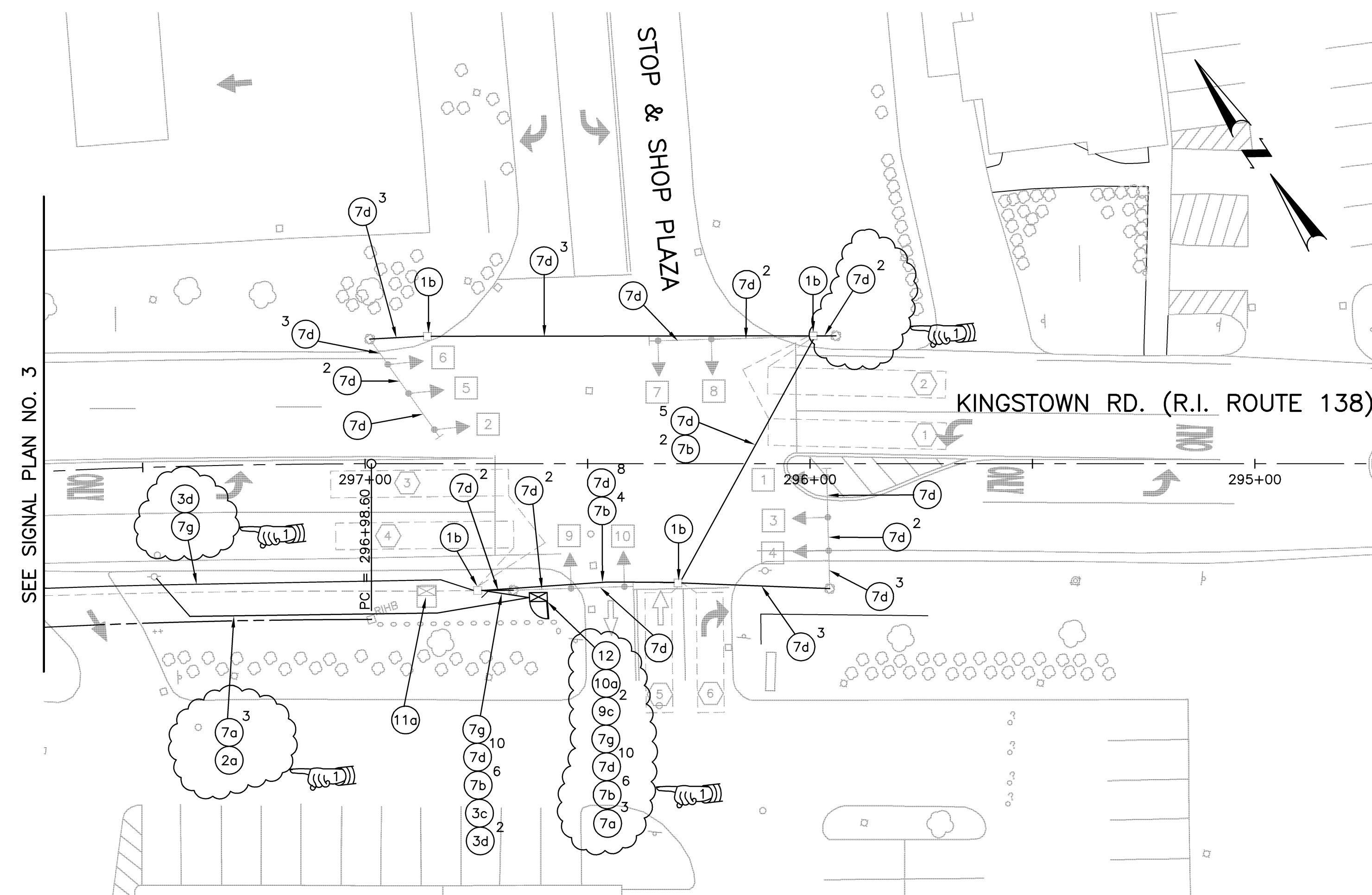
DETECTOR NO.	SIZE	RELAY NUMBER	SLOT	DELAY (SEC.)	CALL PHASE	REMARKS
1	6'x40'	1	2	3	1	EXISTING
2	6'x40'	1	2	3	6	EXISTING
3	6'x40'	1	2	3	5	EXISTING
4	6'x40'	1	2	3	2	EXISTING
5	6'x28'	2	4	5	3	EXISTING
6	6'x28'	2	4	5	3	EXISTING

TRAFFIC SIGNAL CONSTRUCTION NOTES:

- THE EXISTING CONDUIT NETWORK SHOWN ON THIS PLAN IS BASED ON ASSUMED LOCATIONS AND SIZES. THIS INFORMATION IS DRAWN FROM THE ORIGINAL SIGNAL PLAN. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDUIT LOCATIONS AND SIZES FOR ACCURACY AND ADEQUACY PRIOR TO PERFORMING THE WORK.
- SEE STANDARD NOTES PLAN AND JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES PLAN FOR ADDITIONAL INFORMATION.
- THE ITEM "REMOVED AND SALVAGE TRAFFIC SIGNAL SYSTEM EQUIPMENT" SHALL INCLUDE THE FOLLOWING MAJOR ITEMS AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SPECIAL PROVISION FOR ITEM CODE 201.9905:
 - LOCAL CONTROLLER
 - MASTER CONTROLLER
- EXISTING TRAFFIC SIGNAL SYSTEM TO BE REMOVED AND SALVAGED INCLUDES:
 - ACTUATED CONTROLLER AND TRAFFIC DETECTOR RELAYS IN LOCAL CONTROLLER AND MISCELLANEOUS CABLE AND WIRING

ITEM NO. LEGEND ITEM DESCRIPTION

- 1 □ PRECAST TYPE A HANDHOLE, STD. 18.2.0
- 1b □ BREAK INTO EXISTING HANDHOLE
- 2a — 2 INCH RIGID STEEL CONDUIT-UNDERGROUND
- 3c — 2 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT UNDERGROUND
- 3d — 3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT UNDERGROUND
- 3e — 3 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT UNDER EXISTING PAVEMENT
- 7a — 6 AWG SINGLE CONDUCTOR CABLE 600V INSULATION
- 7b — 14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE
- 7d — 14 AWG 5 CONDUCTOR CABLE
- 7g — 19 AWG 6 PAIR TRAFFIC COMMUNICATIONS CABLE (INTERCONNECT CABLE)
- 9a □ TRAFFIC DETECTORS - LOOP, STD. 19.6.0
- 9c □ TRAFFIC DETECTOR RELAYS - LOOP 4 CHANNEL
- 10a □ ACTUATED CONTROLLER, TS-2, TYPE 1 W/8 PHASE ASSEMBLY GROUND MOUNTED, INCLUDING FOUNDATION AND CABINET STD. 19.1.0
- 11a □ REMOVE AND SALVAGE TRAFFIC SIGNAL SYSTEM EQUIPMENT
- 12 □ METER SOCKET W/ MANUAL BY-PASS



REVISIONS		
NO.	DATE	BY
1	4/5/19	NS

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

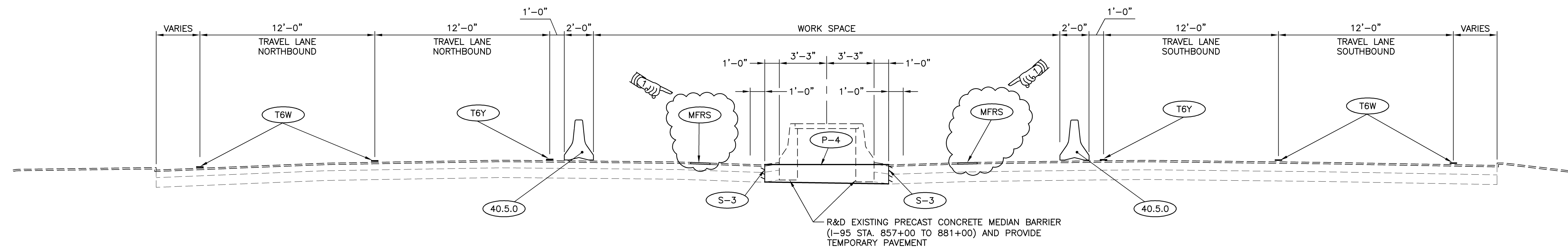
BRIDGE REPLACEMENT
BRIDGE GROUP 54A -
I-95 KINGSTON ROAD
RICHMOND, RHODE ISLAND

KINGSTON ROAD BRIDGE No. 403
SIGNAL PLAN NO. 4
STOP & SHOP PLAZA & KINGSTOWN ROAD
EXISTING SIGNAL NO. 746

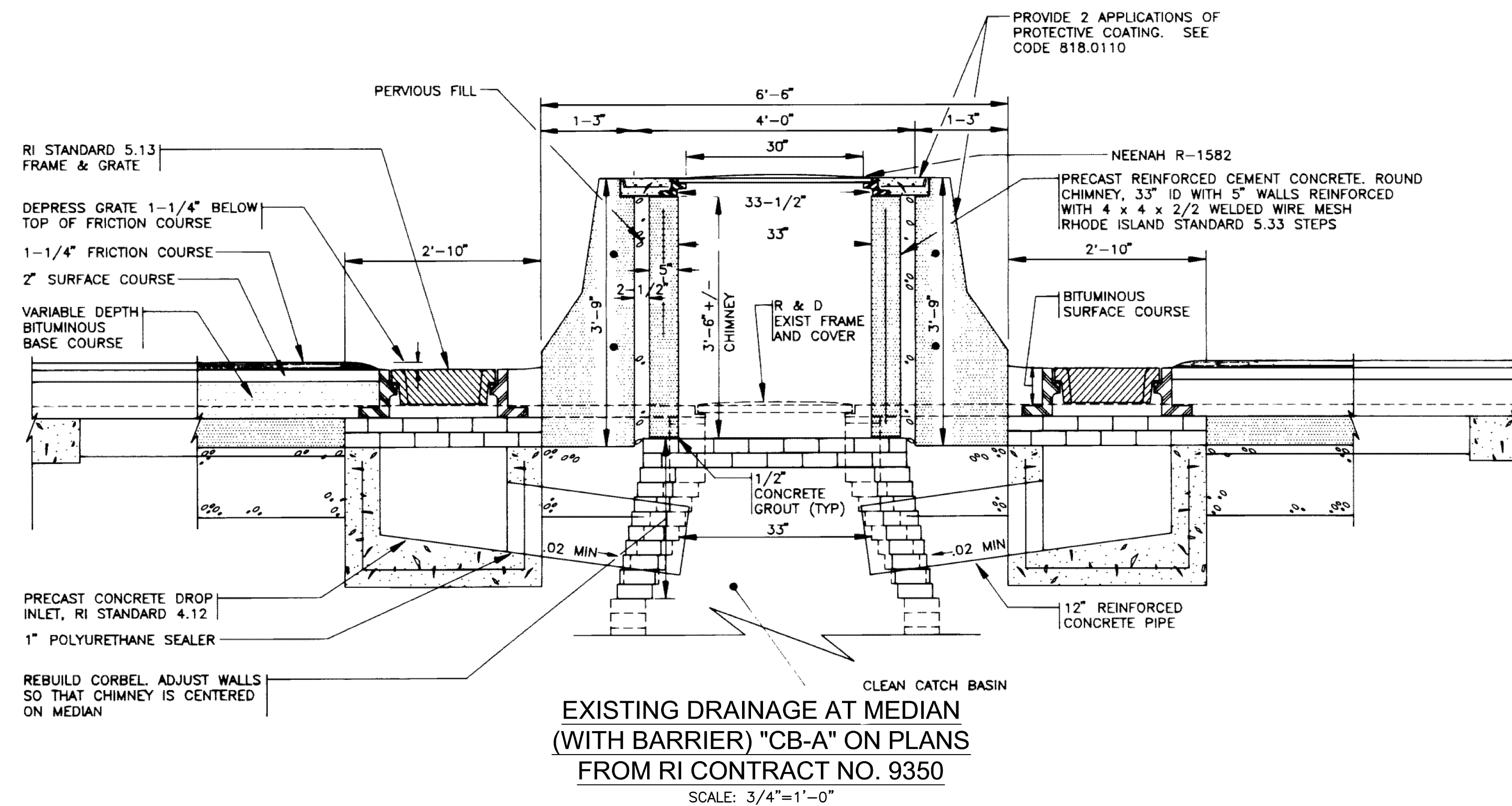
CHECKED BY _____ DATE _____ SCALE 1"=20'

COMMONWEALTH
ENGINEERS & CONSULTANTS, INC.
400 SMITH STREET
PROVIDENCE, RI 02908

ADDENDUM No. 1



TYPICAL SECTION
REMOVE MEDIAN BARRIER PRIOR TO PHASE 1 BRIDGE CONSTRUCTION
I-95 STA. 857+00 TO STA. 881+00
 SCALE: 1" = 4'-0"



EXISTING DRAINAGE AT MEDIAN
(WITH BARRIER) "CB-A" ON PLANS
FROM RI CONTRACT NO. 9350
 SCALE: 3/4" = 1'-0"

RECONSTRUCT I-95 MEDIAN CATCH BASINS

SEQUENCE OF CONSTRUCTION:

1. REMOVE AND STOCKPILE EXISTING 30" MANHOLE FRAME AND COVER.
2. REMOVE AND STOCKPILE EXISTING PRECAST CONCRETE ROUND CHIMNEY.
3. FURNISH AND INSTALL STEEL PLATE (HL-93 LOADING) OVER THE CATCH BASIN.
4. PLACE TEMPORARY MEDIAN CROSSOVER PAVEMENT.
5. SAWCUT AND REMOVE TEMPORARY PAVEMENT AND STEEL PLATE OVER CATCH BASIN.
6. REINSTALL PRECAST CONCRETE ROUND CHIMNEY FROM STOCKPILE.
7. REBUILD CATCH BASIN CORBEL AS REQUIRED AND SET CHIMNEY ON 1/2" MORTAR BED.
8. REINSTALL 30" MANHOLE FRAME AND COVER.

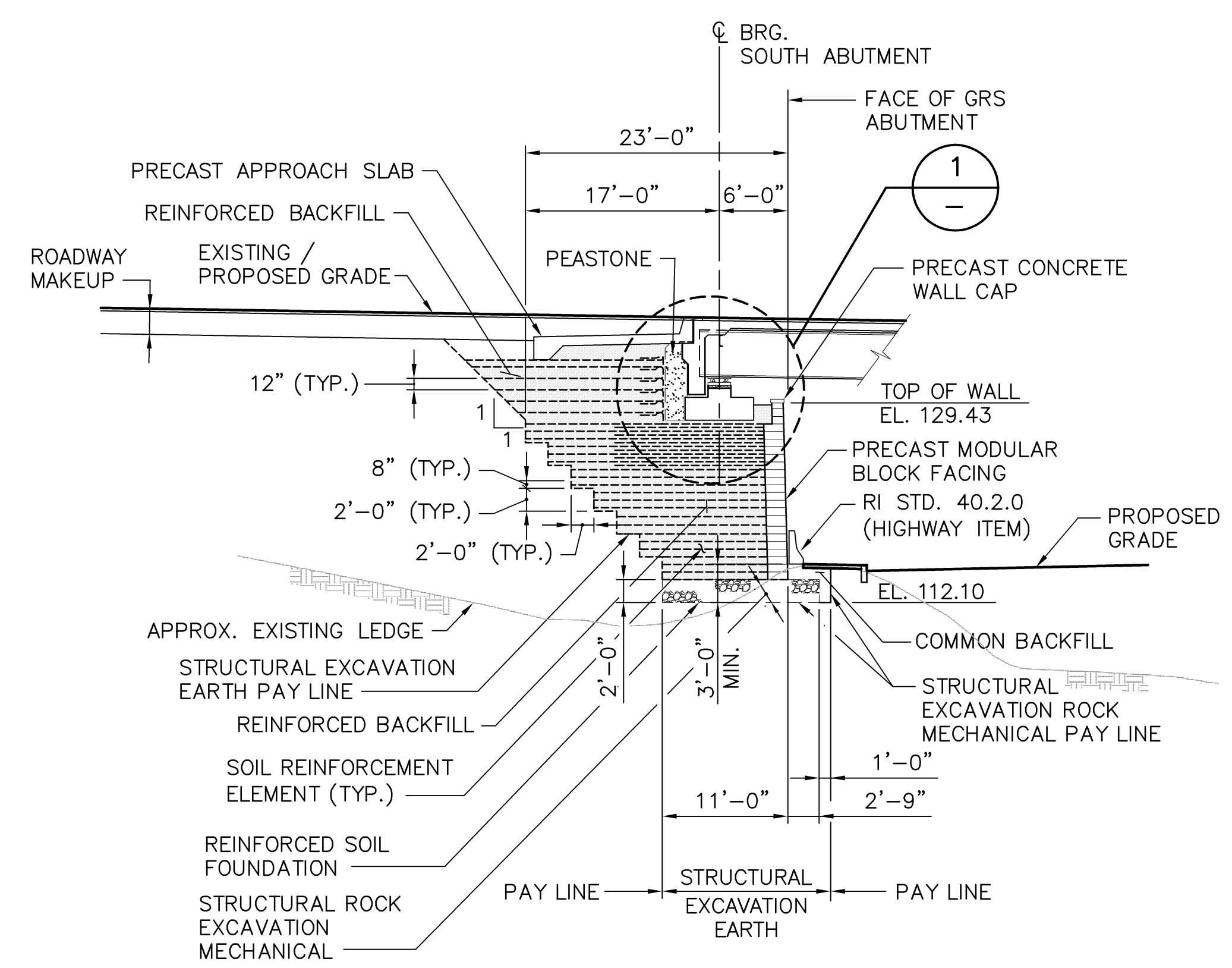
MAINTENANCE AND PROTECTION OF TRAFFIC LEGEND

- RIDOT APPROVED TEMPORARY SIGN SUPPORT
- ➔ DIRECTION OF TRAVEL
- FLAGGER
- 40.5.0 UNANCHORED PRECAST CONCRETE BARRIER FOR TEMPORARY TRAFFIC CONTROL STD. 40.5.0
- 26.1.0 FLUORESCENT TRAFFIC CONES STD. 26.1.0
- 26.2.0 POLYETHYLENE DRUM BARRICADE WITH MARKINGS STD. 26.2.0 THE MAXIMUM SPACING IS SHOWN ON THE PLANS. A CLOSER SPACING THROUGH THE WORK SPACE MAY BE NEEDED AS DIRECTED BY THE ENGINEER.
- 26.3.0 PVC PLASTIC PIPE BARRICADE STD. 26.3.0
- AP ADVANCE WARNING ARROW PANEL
- VMS PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- SABM SHOCK ABSORBING BARRIER MODULES
- T6W 6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT
- T6Y 6 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT
- WORK SPACE
- TRUCK MOUNTED ATTENUATOR WITH FLASHING ARROW BOARD
- POLICE VEHICLE WITH FLASHING LIGHT BAR

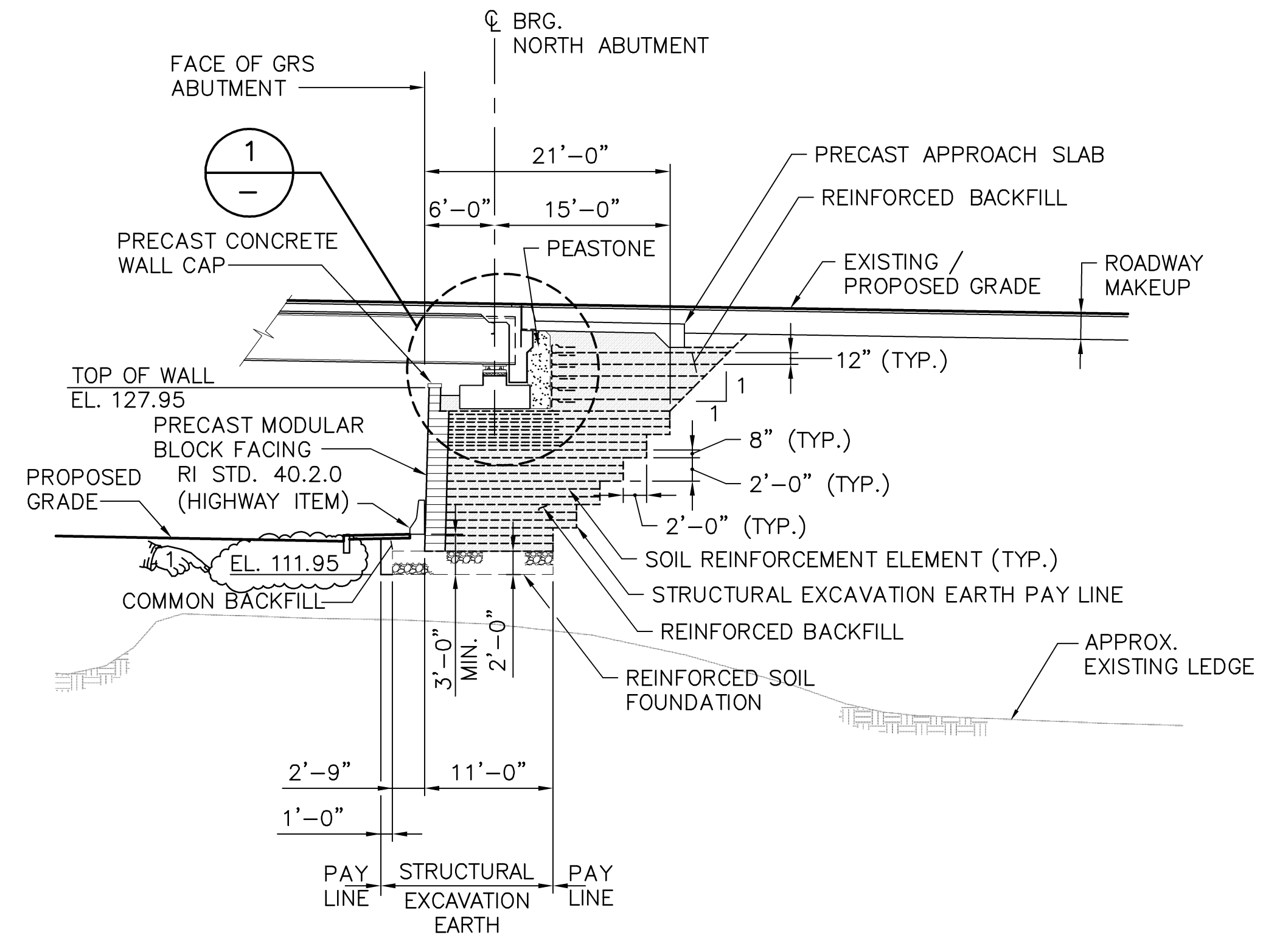
REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
1	4/4/19	NS		
			BRIDGE REPLACEMENT BRIDGE GROUP 54A - I-95 KINGSTON ROAD	
			RICHMOND,	RHODE ISLAND
			KINGSTON ROAD BRIDGE No. 403	
			MAINTENANCE & PROTECTION OF TRAFFIC PLAN NO. 2	
			CHECKED BY _____	DATE _____ SCALE AS SHOWN

ADDENDUM No. 1

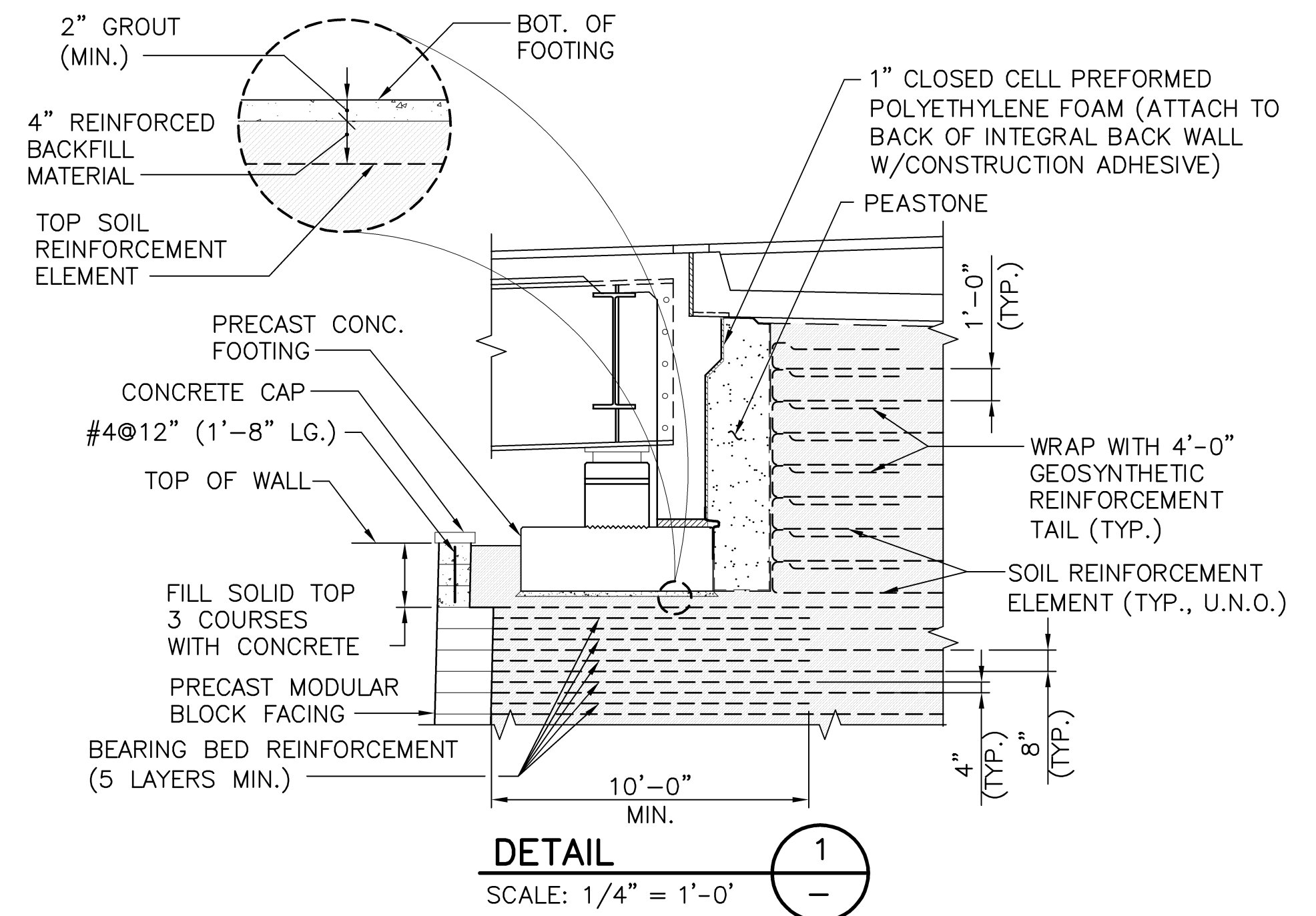




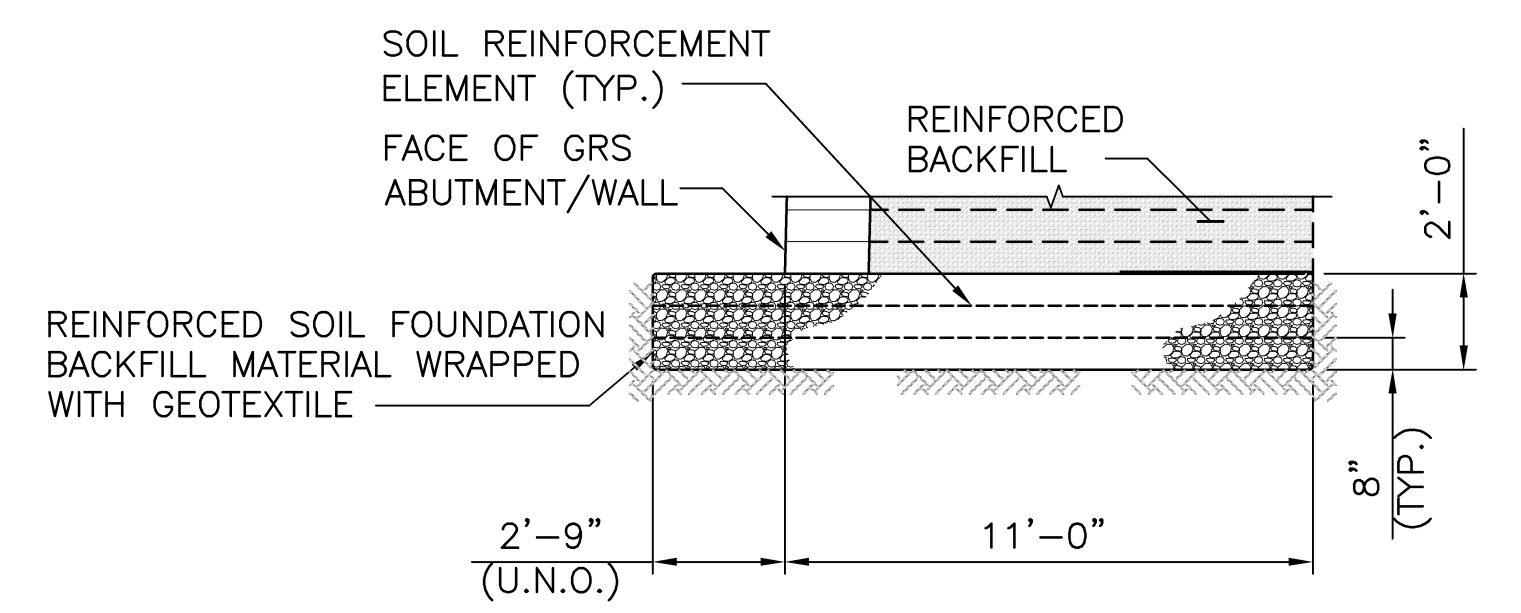
SOUTH GRS ABUTMENT SECTION
SCALE: 1" = 10'



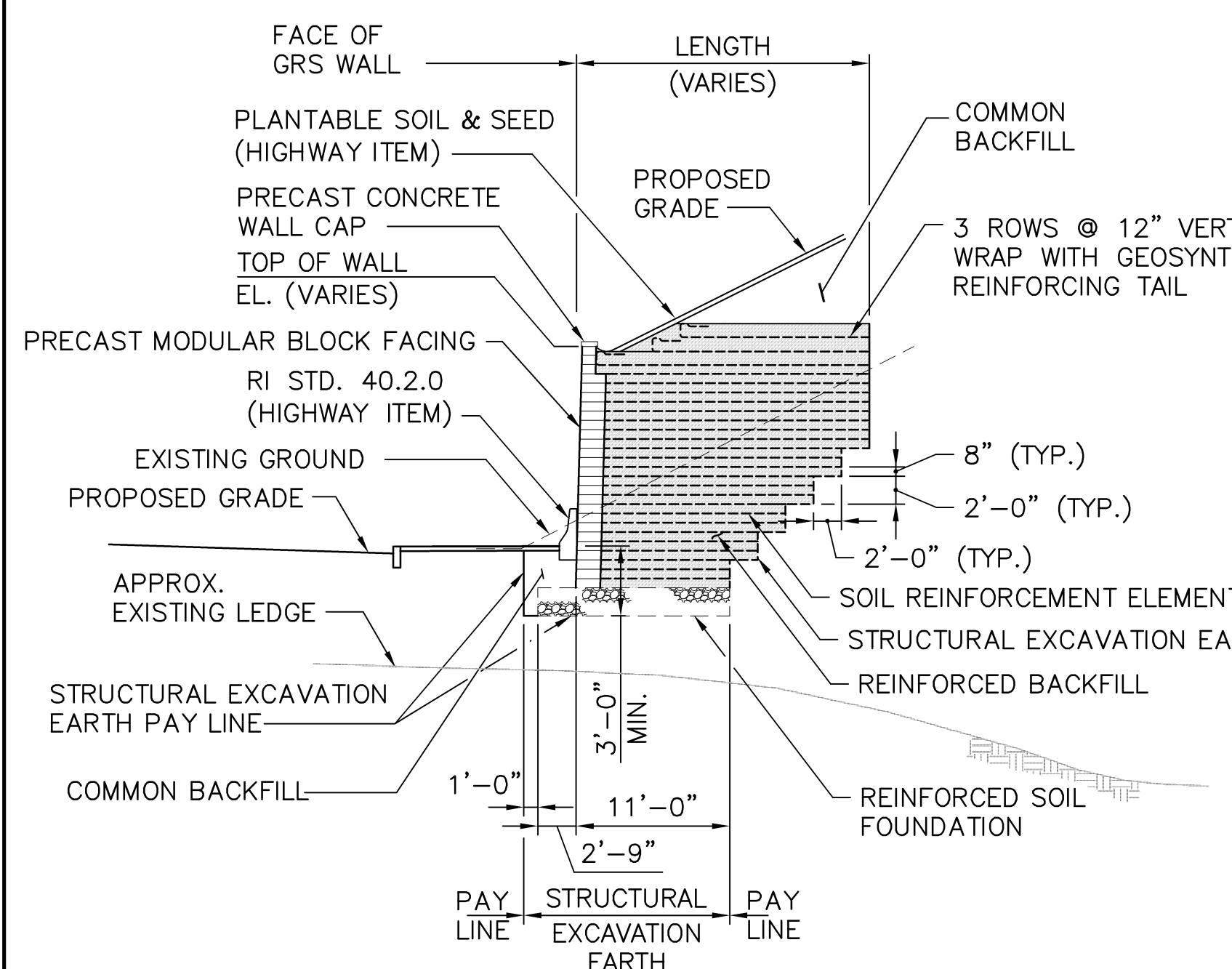
NORTH GRS ABUTMENT SECTION
SCALE: 1" = 10'



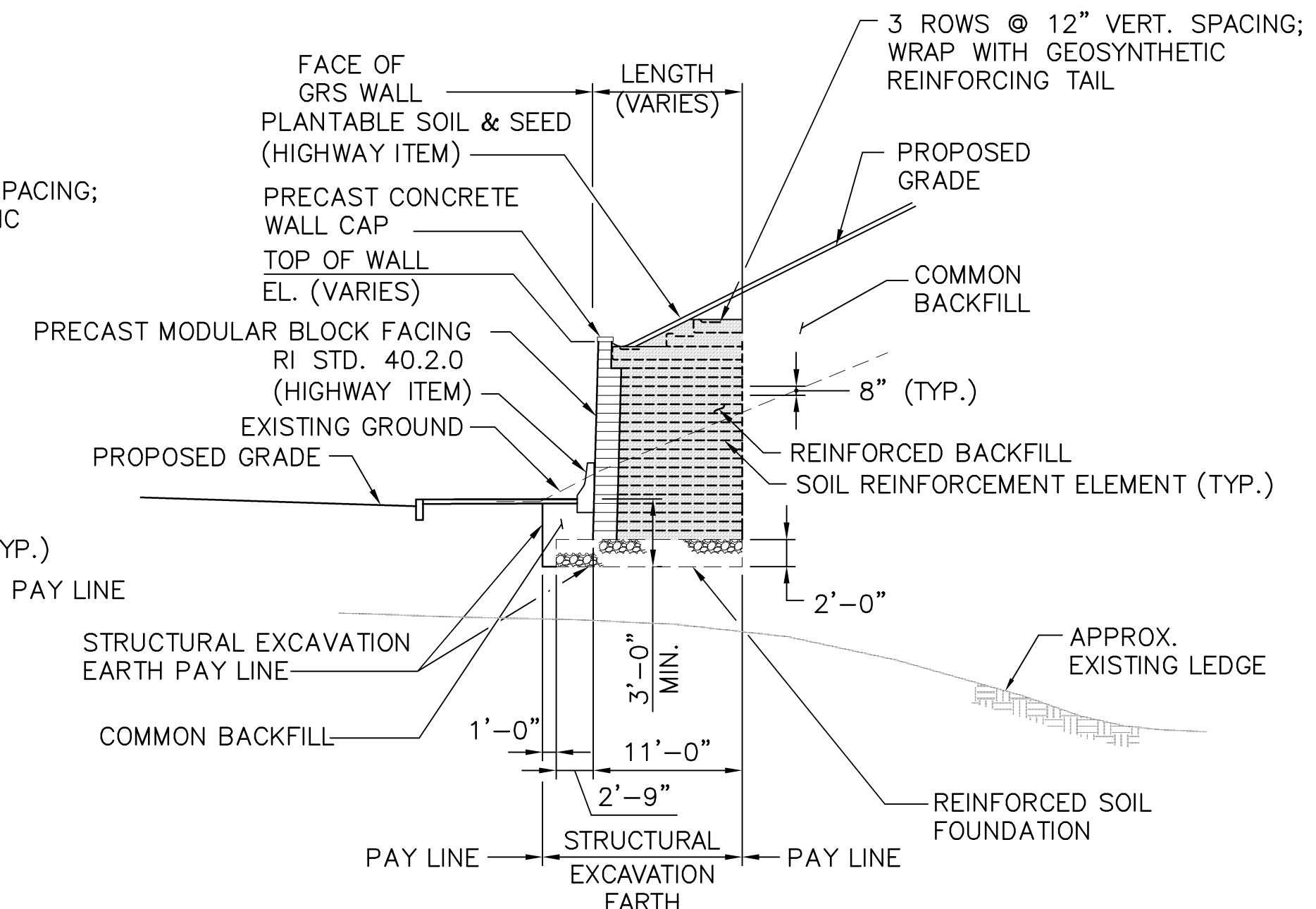
DETAIL 1
SCALE: 1/4" = 1'-0"



REINFORCED SOIL FOUNDATION DETAIL
SCALE: 1/4" = 1'-0"

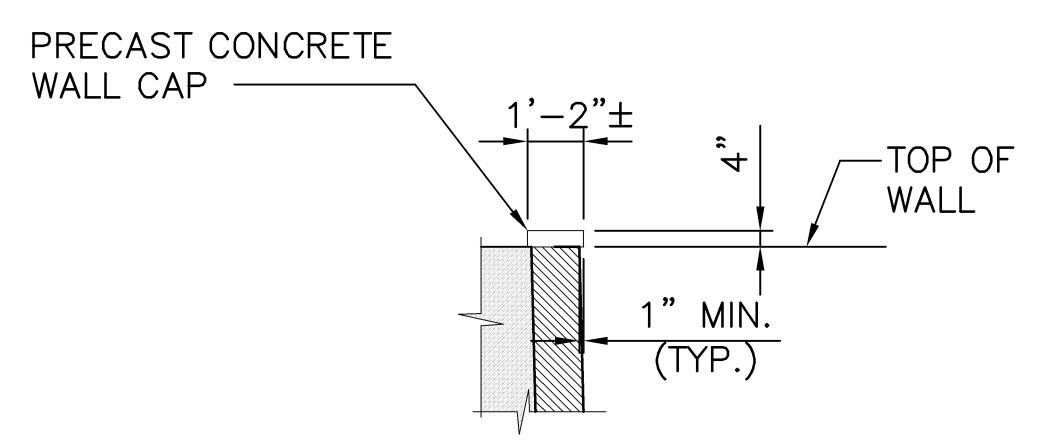


TYPE 1



TYPE 2

TYPICAL GRS WALL SECTIONS
SCALE: 1" = 10'



PRECAST CONCRETE WALL CAP DETAIL
SCALE: 1/4" = 1'-0"

LEGEND
[Hatched Box] GRS REINFORCED BACKFILL MATERIAL

- NOTES:**
- DIMENSIONS SHOWN ARE SQUARE TO FACE OF GRS ABUTMENT/WALLS.
 - FOR GRS WALL ELEVATIONS, LENGTH OF TOP REINFORCEMENT LAYERS, AND APPLICABLE NOTES, REFER TO "GRS WALL AT NORTH ABUTMENT" AND "GRS WALL AT SOUTH ABUTMENT" SHEETS.

REVISIONS		
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

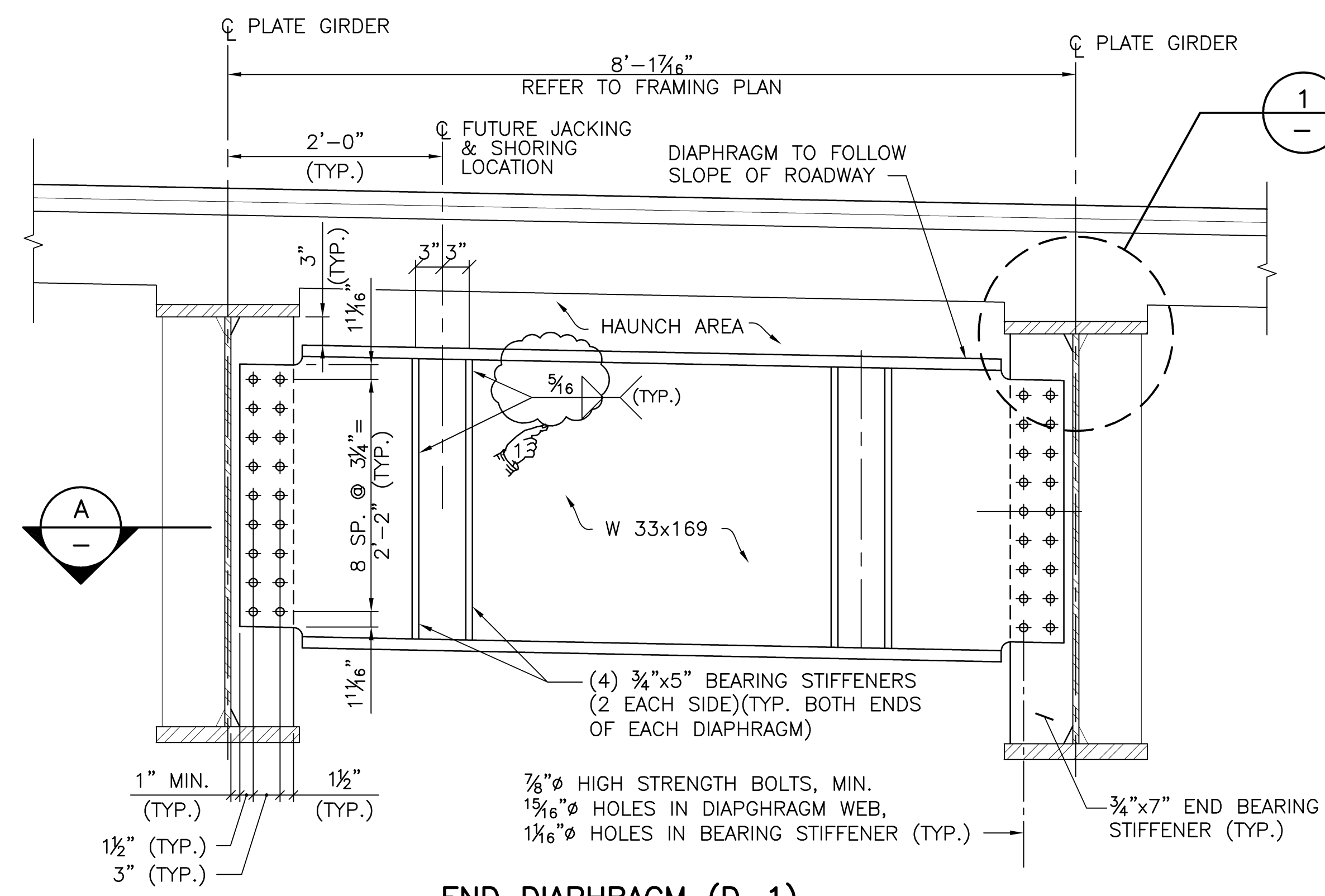
BRIDGE REPLACEMENT
BRIDGE GROUP 54A -
I-95 KINGSTON ROAD

RICHMOND, RHODE ISLAND
KINGSTON ROAD BRIDGE No. 403

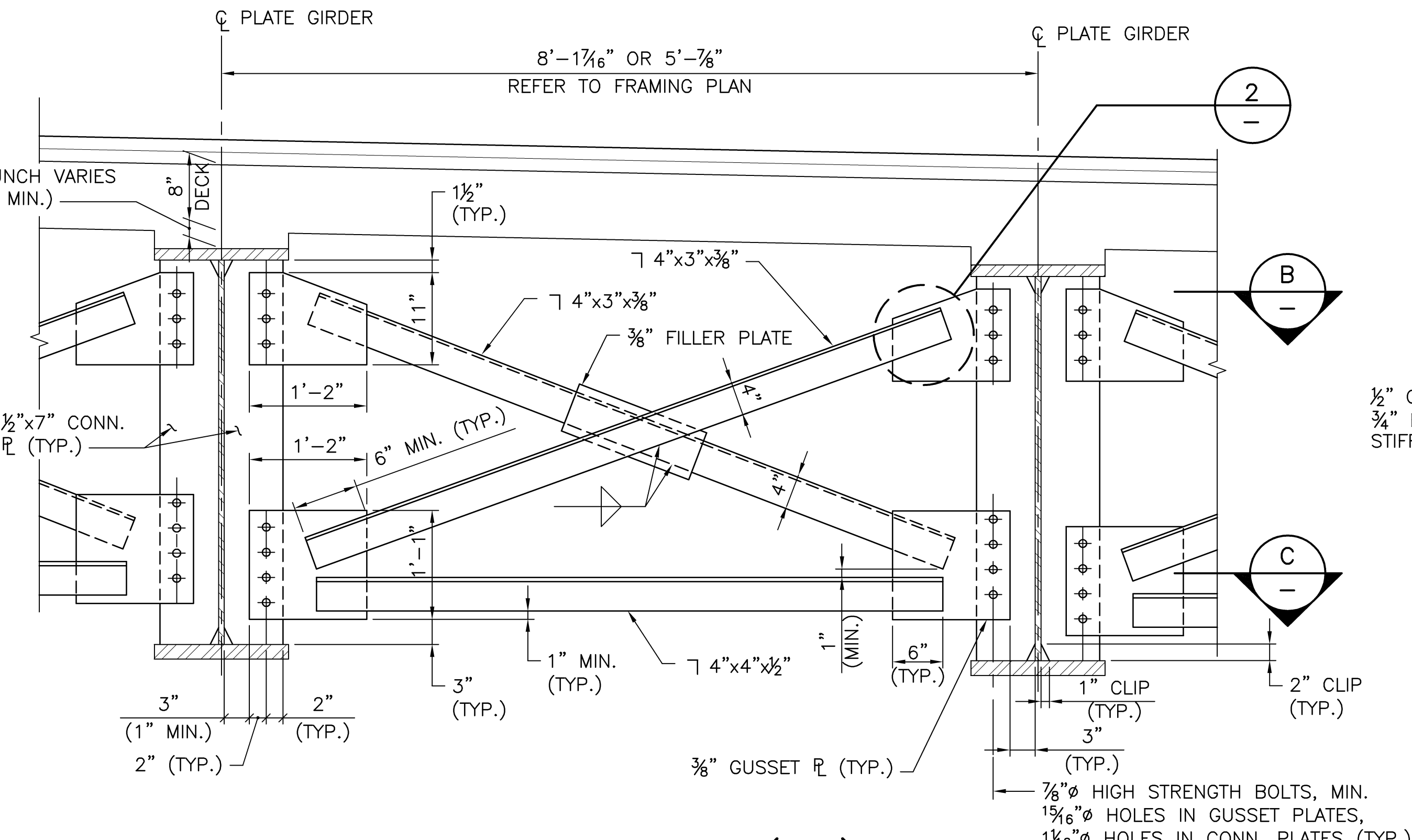
GRS WALL DETAILS

CHECKED BY _____ DATE _____ SCALE AS SHOWN

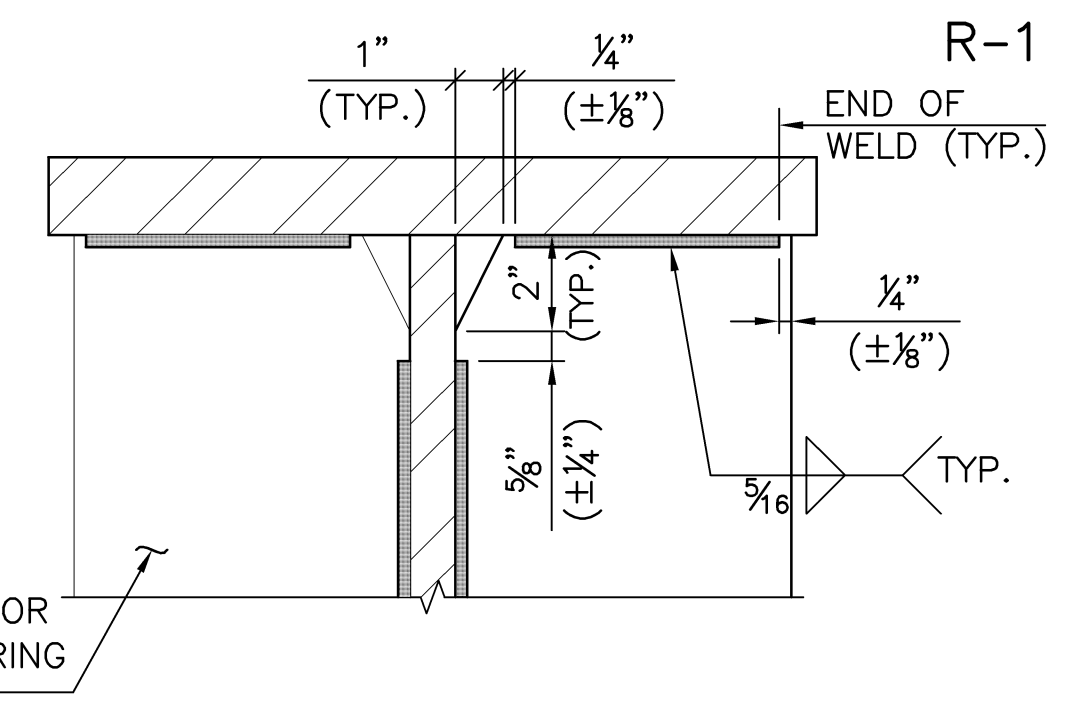
COMMONWEALTH
ENGINEERS & CONSULTANTS, INC.
400 SMITH STREET
PROVIDENCE, RI 02908



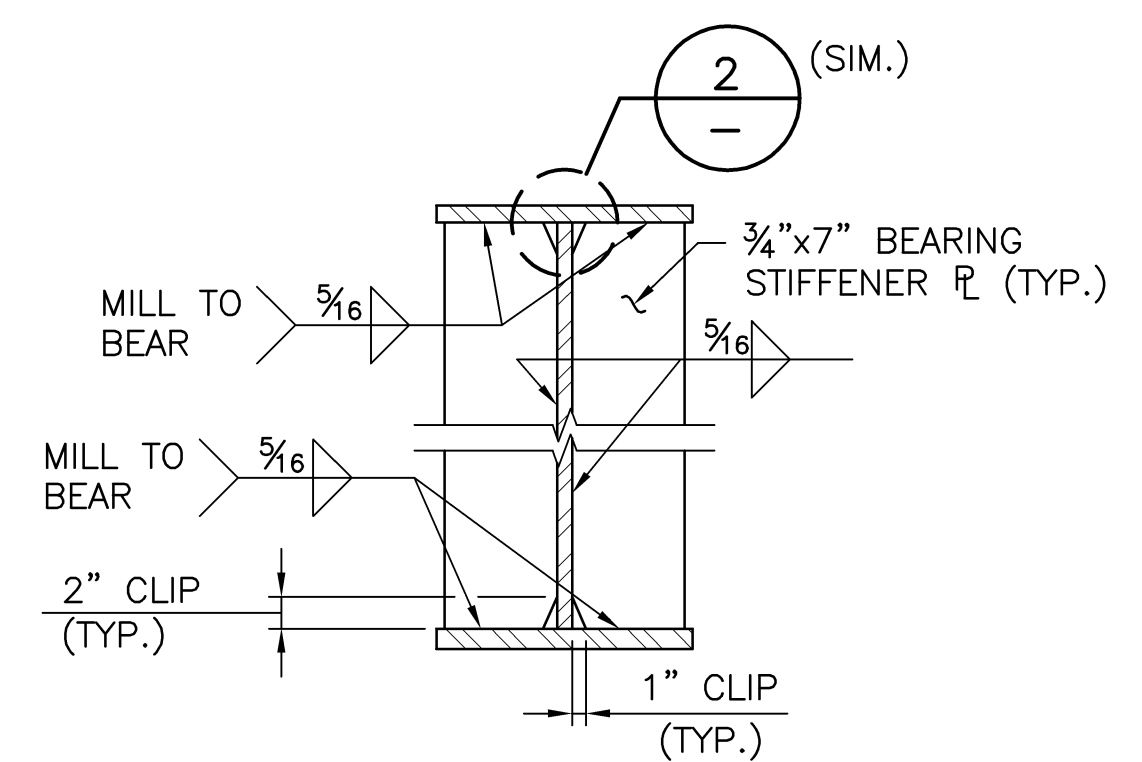
END DIAPHRAGM (D-1)
SCALE: 1"=1'-0"



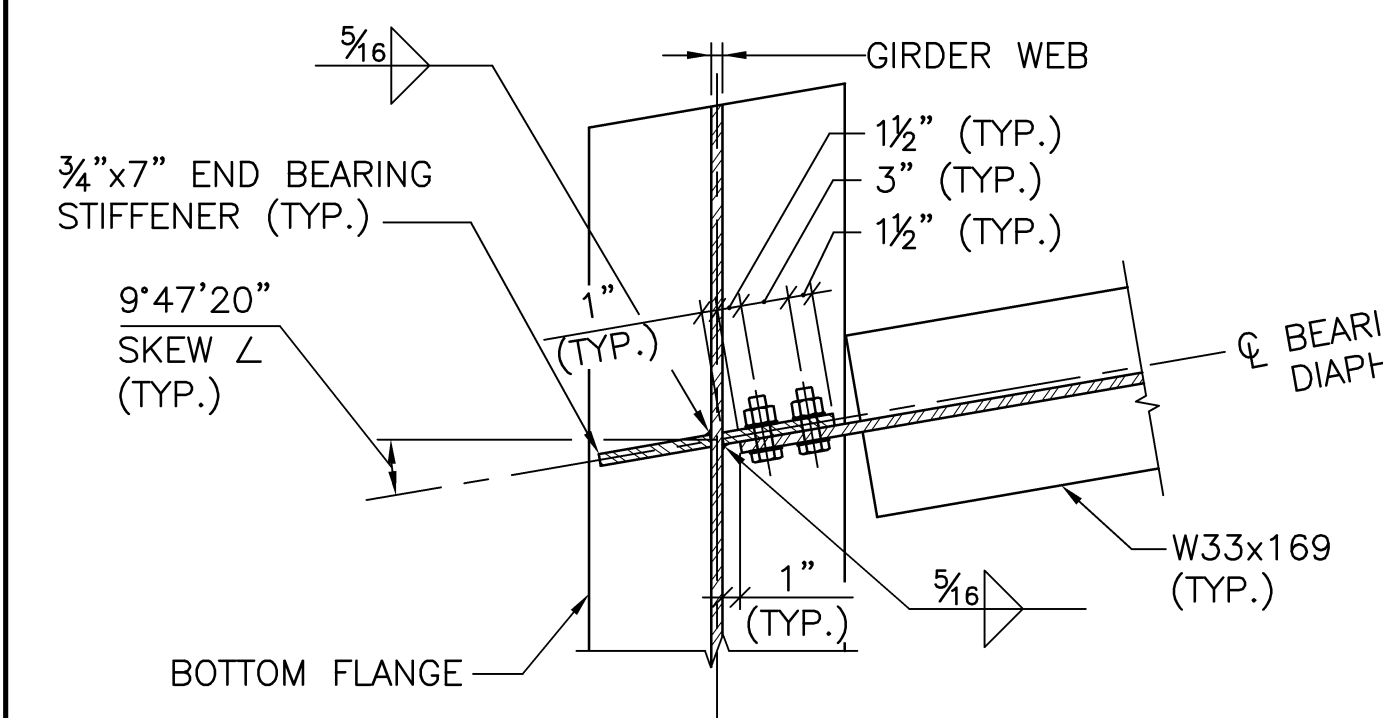
INTERMEDIATE DIAPHRAGM (D-2)
SCALE: 1"=1'-0"



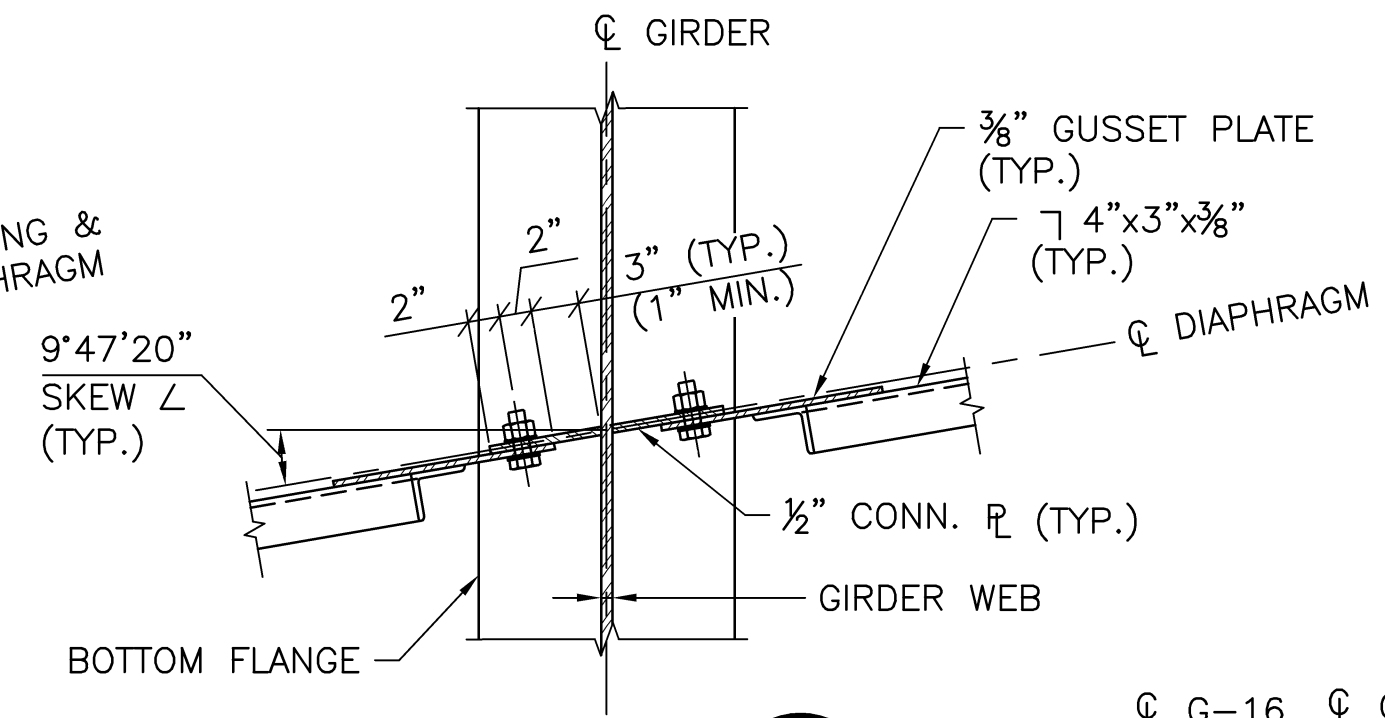
DETAIL 1
NOT TO SCALE



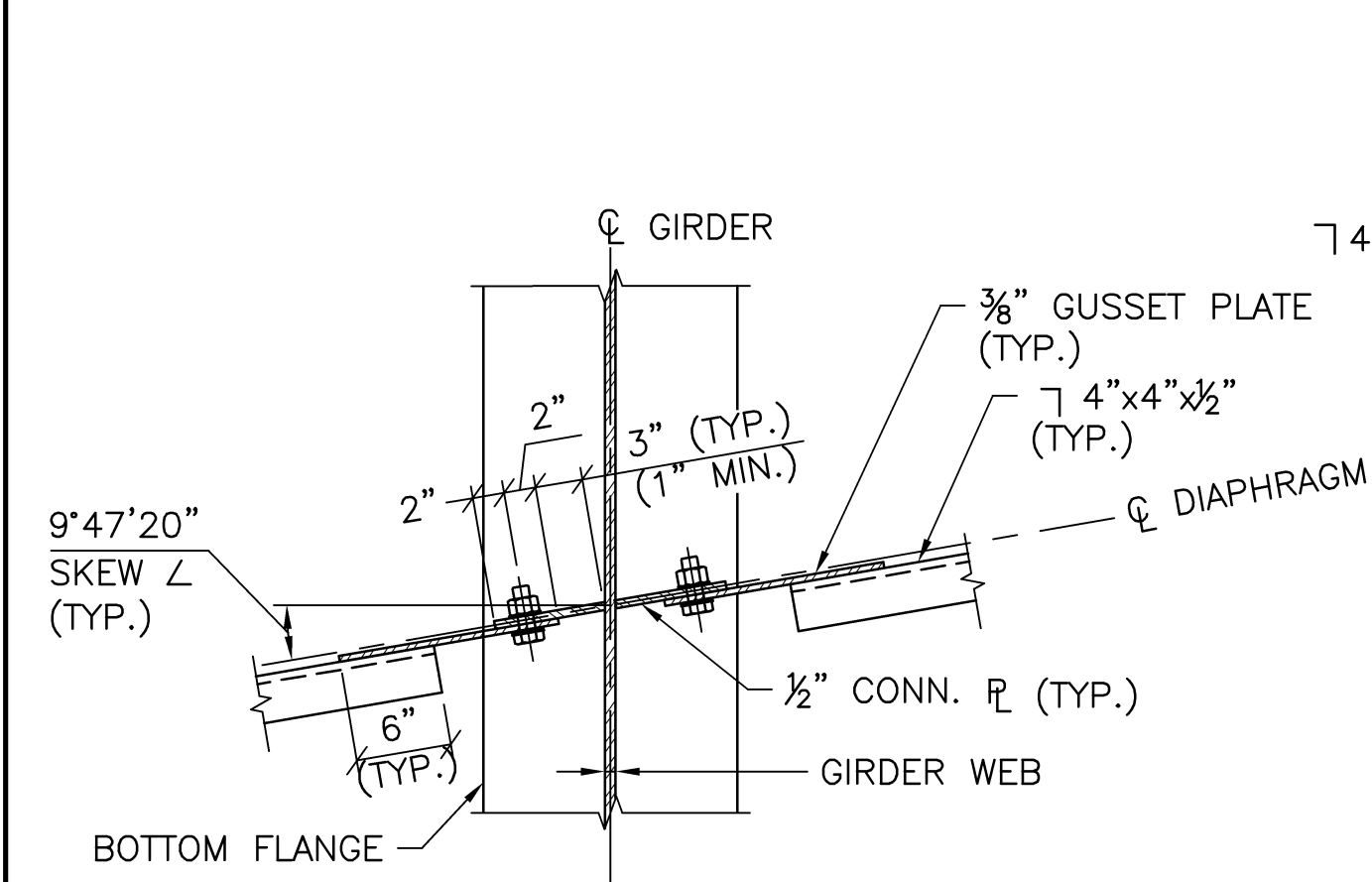
END BEARING STIFFENER DETAIL
SCALE: 1"=1'-0"



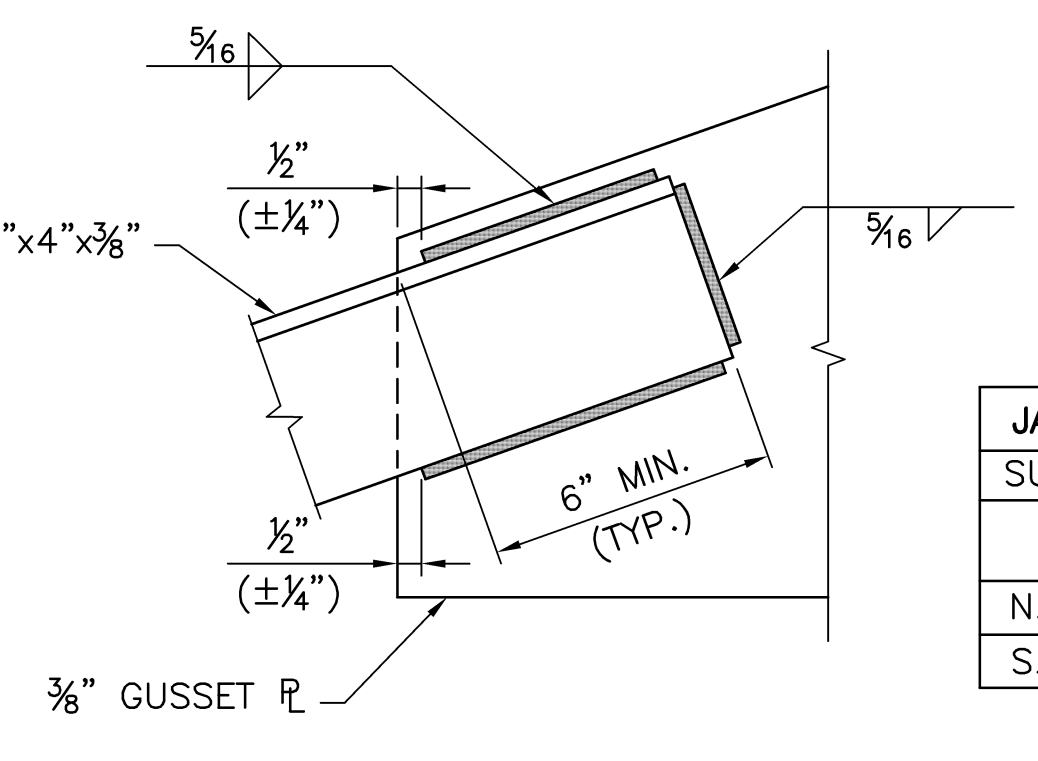
SECTION A
SCALE: 1"=1'-0"



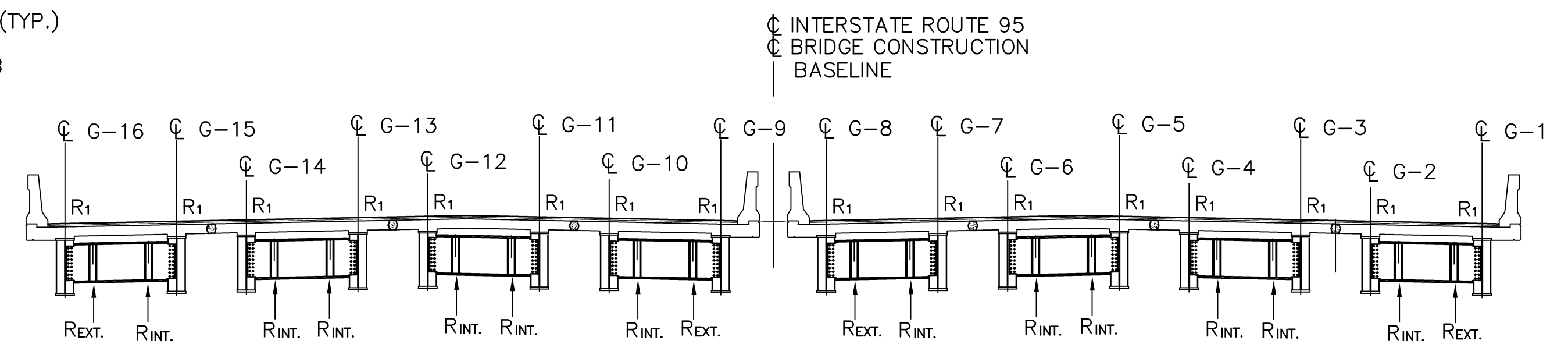
SECTION B
SCALE: 1"=1'-0"



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



DETAIL 2
NOT TO SCALE

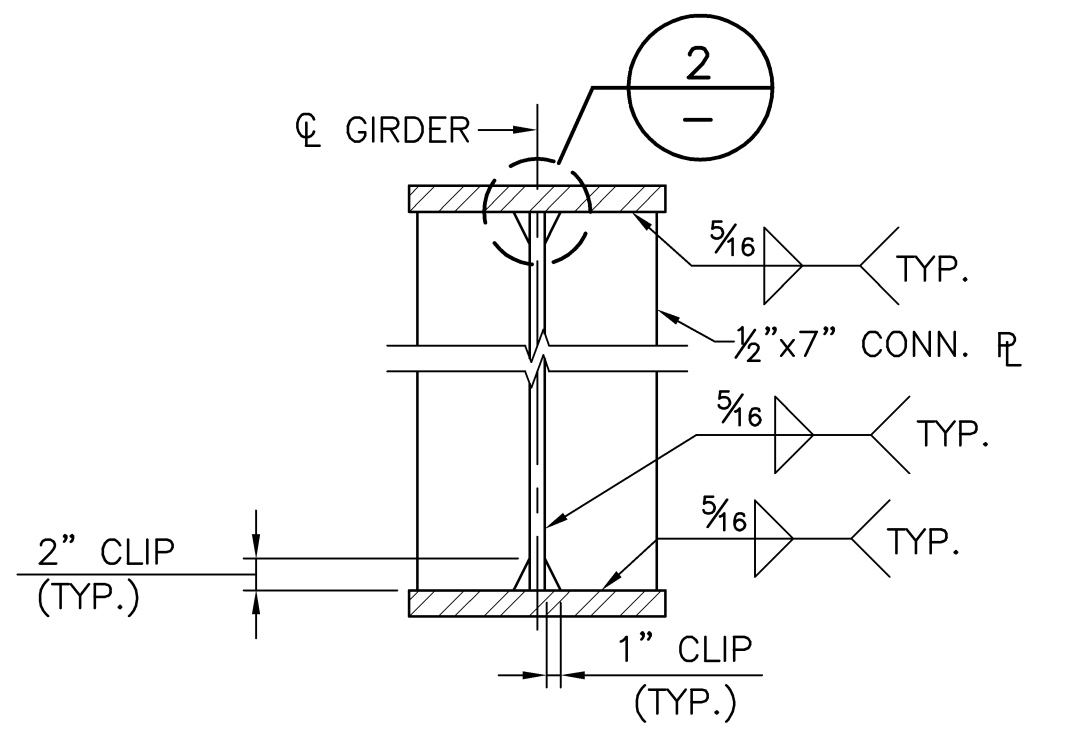


JACKING LOAD DISTRIBUTION
NOT TO SCALE

JACKING NOTES:

- JACKING DETAILS PROVIDED FOR BEARING ADJUSTMENT DURING CONSTRUCTION AND FOR FUTURE BEARING REPLACEMENT.
- ALL GIRDETS SHALL BE JACKED SIMULTANEOUSLY TO A HEIGHT SUFFICIENT FOR THE INTENDED WORK, NOT TO EXCEED 1/16" MAXIMUM.
- JACKING LOADS ASSUMES ALL GIRDETS JACKED SIMULTANEOUSLY.
- THE CONTRACTOR SHALL PROVIDE A SEQUENCE OF CONSTRUCTION FOR THE JACKING OPERATION AND SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF JACKING.
- JACKS SHALL HAVE A RATED CAPACITY OF AT LEAST 1.5 (DL + (LL+I)) AND BE FITTED WITH A 6" MINIMUM LOAD PLATE DIAMETER.

SUPPORT	JACKING DESIGN DATA (SERVICE LOADS) KIPS			
	DL		LL+I	
N. ABUT.	135	75	110	110
S. ABUT.	135	75	110	110



TYPICAL CONNECTION PLATE DETAIL
NOT TO SCALE
(INTERIOR SHOWN, EXTERIOR SIMILAR)

REVISIONS		
NO.	DATE	BY
1	4/19/19	WK

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

BRIDGE REPLACEMENT BRIDGE GROUP 54A - I-95, KINGSTON ROAD

RICHMOND, RHODE ISLAND
KINGSTON ROAD BRIDGE No. 403

DIAPHRAGM DETAILS

CHECKED BY _____ DATE _____ SCALE AS SHOWN