

January 8, 2018  
STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7565516

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2017-CB-070

FEDERAL-AID PROJECT NO. FAP Nos: BRO-472(001), STP-RESF(360)

**Horton Farm Bridge No. 472**

Horton Farm Road Bridge No. 472

CITY/TOWN OF East Providence

COUNTY OF PROVIDENCE

**NOTICE TO PROSPECTIVE BIDDERS**

ADDENDUM NO. 8 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. General Provisions - Contract Specific**

1. Page CS-8(R-1)

Remove and replace page CS-8(R-1) in its entirety with revised page CS-8(R-2) attached to this Addendum No. 8. The Notice to Contractors section has been revised.

2. Pages CS-11(R-2) and CS-12(R-2)

Remove and replace pages CS-11(R-2) and CS-12(R-2) in their entirety with revised pages CS-11(R-3) and CS-12(R-3) attached to this Addendum No. 8. The Sequence of Accelerated Bridge Construction and Schedule has been revised.

3. Page CS-35(R-1)

Remove and replace page CS-35(R-1) in its entirety with revised page CS-35(R-2) attached to this Addendum No. 8. The list of Designer-Developed TTC Plans has been revised.

**B. Specifications - Job Specific**

1. Page JS-14

Remove and replace page JS-14 in its entirety with revised Page JS-14(R-1) attached to this Addendum No. 8. The Interim Completion Date has been revised.

2. Page JS-15

Remove and replace page JS-15 in its entirety with revised page JS-15(R-1) attached to this Addendum No. 8. The Interim Completion Date has been revised.

**C. Distribution of Quantities**

1. Index Pages 1(R-5) thru 4(R-5)

Remove and replace index pages 1(R-5) thru 4(R-5) in their entirety with revised index pages 1(R-6) thru 4(R-6) attached to this Addendum No. 8. The index has been revised and updated items are indicated in bold.

2. Index Page 5(R-1)

Remove and replace index page 5(R-1) in its entirety with revised index page 5(R-2) attached to this Addendum No. 8. The index has been revised and updated items are indicated in bold.

3. Page 58(R-1)

Remove and replace page 58(R-1) in its entirety with revised page 58(R-2) attached to this Addendum No. 8. Item Code 923.0105 has been updated.

4. Page 58a

Insert page 58a attached to this Addendum No. 8. Item Code 923.0105 has been updated and extends onto this page.

5. Page 59(R-1)

Remove and replace page 59(R-1) in its entirety with revised page 59(R-2) attached to this Addendum No. 8. Item Code 923.0105 has been updated.

6. Page 59a(R-1)

Remove and replace page 59a(R-1) in its entirety with revised page 59a(R-2) attached to this Addendum No. 8. Item Code 942.0113 has been updated.

7. Page 60(R-1)

Remove and replace page 60(R-1) in its entirety with revised page 60(R-2) attached to this Addendum No. 8. Item Code 924.0113 has been updated.

8. Page 60a

Insert page 60a attached to this Addendum No. 8. Item Code 925.0112 extends onto this page due to revisions of previous items.

9. Page 62(R-1)

Remove and replace page 62(R-1) in its entirety with revised page 62(R-2) attached to this Addendum No. 8. Item Code 926.9902 has been updated.

10. Page 62a

Insert page 62a attached to this Addendum No. 8. Item Code 926.9903 has been updated.

11. Page 63(R-1)

Remove and replace page 63(R-1) in its entirety with revised page 63(R-2) attached to this Addendum No. 8. Item Code 926.9903 has been updated.

12. Page 63a

Insert page 63a attached to this Addendum No. 8. Item Code 926.9903 has been updated.

13. Page 64(R-2)

Remove and replace page 64(R-2) in its entirety with revised page 64(R-3) attached to this Addendum No. 8. Item Code 926.9903 has been updated.

14. Page 64a

Insert page 64a attached to this Addendum No. 8. Item Code 931.0110 extends onto this page due to revisions of previous items.

15. Page 87(R-1)

Remove and replace page 87(R-1) in its entirety with revised page 87(R-2) attached to this Addendum No. 8. Item Code T20.0006 has been updated.

16. Page 88(R-1)

Remove and replace page 88(R-1) in its entirety with revised page 88(R-2) attached to this Addendum No. 8. Item Code T20.0106 has been updated.

17. Page 89(R-1)

Remove and replace page 89(R-1) in its entirety with revised page 89(R-2) attached to this Addendum No. 8. Item Code T20.1000 has been updated.

18. Page 89a

Insert page 89a attached to this Addendum No. 8. Item Code T20.2006 extends onto this page due to revisions of previous items.

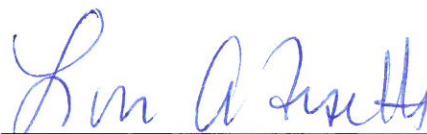
**D. Plans**

1. VOLUME 1 SHEET 116A - I-195 STAGE 1E SHEET 1 OF 2

Insert Sheet 116A attached to this Addendum No. 8. "I-195 STAGE 1E SHEET 1 OF 2" has been added.

2. VOLUME 1 SHEET 116B - I-195 STAGE 1E SHEET 2 OF 2

Insert Sheet 116B attached to this Addendum No. 8. "I-195 STAGE 1E SHEET 2 OF 2" has been added.



RI Department of Transportation

Administrator, Division of Project Management

2. Stage 1 demolition and substructure construction may be permitted to begin prior to completion of the fabrication of the structural steel with the Engineer's approval such that when steel is delivered it can be erected.
3. Once the Engineer's approval is granted to proceed with Stage 1, the Contractor will be permitted to close the easterly lanes of Horton Farm Road in accordance with the Contract Documents to begin the Stage 1 Demolition and Construction work.
4. The Contractor shall provide a storage/laydown site at the Contractors own expense. The Contractor shall submit the location of the storage/laydown site for review and approval to the Department prior to the commencement of work. Compensation for out of state inspection service shall be in accordance with RI Standard Specifications Section 809.
5. The Contractor's attention is directed to the following contract milestones;

<b>Milestone</b>
#1 - Interim Completion Date #1 – Full Bridge Open to Traffic
#2 - Substantial Completion

- Milestone #1 is defined as the completed bridge structure with all lanes on Horton Farm Road open to all traffic.
  - Milestone #2 is defined as Substantial Completion per specification 101.71 and including all of the Works of the Bridge, final striping as well as Horton Farm Road and I-195 work.
6. The Contractor shall furnish the Engineer with time-lapse high end imaging documenting all of the construction activities starting with Stage 1 demolition and ending with the completion of Milestone #2.
  7. The Contractor must provide all of the required detours in accordance with the TMP during the staged construction of the Horton Farm Road Bridge 472.
  8. Due to the nature of the ABC project delivery method, NO winter shutdown is allowed.
  9. The Contractor is reminded of the ABC nature of this contract and shall note specification "105.02 Plans and Shop Drawings". The Contractor shall submit duplicate Shop Drawings (two copies per submittal) directly to the attention of the Consulting Engineer (Louis Berger, 117 Kendrick Street, Suite #400, Needham, MA 02494, Attn: Phineas Fowler, PE) simultaneously with each of his official submittals to the Department.
  10. The Contractor shall submit Requests for Information (RFI) through the RIDOT's Project Management Portal.
  11. Strict adherence to the regulatory agencies' permit requirements is

## **6. SEQUENCE OF ACCELERATED BRIDGE CONSTRUCTION AND SCHEDULE**

The following is the suggested sequence of work of major items and is not inclusive of all work items or other sequence of work:

### **Stage 1**

- Stage 1A. Horton Farm Road Traffic Control and Mobilization, Implement Horton Farm Road Traffic Control Plan (TCP) Stage 1A.
- Switch Traffic to West Side of Bridge.
- Install Support of Excavation at the North and South Approach of the Bridge.
- I-195 Pre-Demolition Activities -Set up Traffic Control on I-195.
- Horton Farm Road Pre-Demolition Activities – Saw cut existing East Side Pavement and Concrete Deck
- Demolition of Southeast Quadrant of the Superstructure during weekend crossovers.
- Stage 1B. Demolition of Northeast Quadrant of the Superstructure during weekend crossovers.
- Stage 1C. Demolition of existing East Pier Cap, Columns, and Footings; Demolition of existing Top of Backwalls, and Wingwall Barriers on the North and South Abutment Side; and Excavation for North and South Approach Slabs.
- Construct the New East Pier; Install New Approach Slab Supports at the Backwalls, and Wingwall Barriers on the North and South Abutment Side; and Install Crushed Stone Fill Wrapped in Geogrid for the Approach Areas.
- Stage 1D with Rolling Roadblocks. Erect Prefabricated SE Girders (Modular Two-Girder Unit with Side Shielding attached for Installation of Safety Barrier, Individual Girder and Diaphragms) during rolling roadblocks.
- Stage 1D with Rolling Roadblocks. Erect Prefabricated NE Girders (Modular Two-Girder Unit with Side Shielding attached for Installation of Safety Barrier, Individual Girder and Diaphragms) during rolling roadblocks.
- Stage 1C. Form Deck, Install Shear Studs, Place Deck Rebar, and Concrete, Place Approach Slab Rebar and Concrete.
- Place Safety Barrier, Snow Fence, Place Waterproofing Membrane, and Pave Bridge Deck and Approaches.
- Install Waterproofing, Wearing Surface, Temporary Striping and New Light Standards.
- Stage 1E (if used). Open both lanes on Horton Farm Road with the lane split in place during the time between the completion of Stage 1 and the start of Stage 2.
- Completion of Stage 1.

## Stage 2

- Horton Farm Road Traffic Control and Mobilization, Implement Horton Farm Road Traffic Control Plan (TCP) Stage 2.
- Switch Traffic to East Side of Bridge.
- Stage 2A. Demolition of Southwest Quadrant of Superstructure during weekend crossovers.
- Stage 2B. Demolition of Northwest Quadrant of Superstructure during weekend crossovers.
- Stage 2C. Demolition of existing West Pier Cap, Columns, and Footings; Demolition of existing Top of Backwalls, and Wingwall Barriers on the North and South Abutment Side; Excavation for North and South Approach Slabs.
- Construct the New West Pier; Install New Approach Slab Supports at the Backwalls and Wingwall Barriers on the North and South abutment Side; Install Crushed Stone Fill Wrapped in Geogrid for the Approach Areas.
- Stage 2D with Rolling Roadblocks. Erect Prefabricated SW Girders (Modular Two-Girder Unit with Side Shielding attached for Installation of Safety Barrier, Individual Girder, and Diaphragms) during rolling roadblocks.
- Stage 2D with Rolling Roadblocks. Erect Prefabricated NW Girders (Modular Two-Girder Unit with Side Shielding attached for Safety Barrier Construction, Individual Girder and Diaphragms) during rolling roadblocks.
- Stage 2C. Form Deck, Install Shear Studs, Place Deck Rebar, and Concrete, Place Approach Slab Rebar and Concrete.
- Place Safety Barrier, Snow Fence, Place Waterproofing Membrane, and Pave Bridge Deck and Approaches. .
- Install Waterproofing, Wearing Surface, and Temporary Striping.
- Completion of Stage 2.
- Interim Completion #1: Open Full Bridge to Traffic
- Complete Concrete Surface Repair at Abutments and Wingwalls.
- Complete I-195 Roadway Mill and Pave Work at the Bridge.
- Substantial Completion.

## TEMPORARY TRAFFIC CONTROL PLANS

*These RIDOT- and/or Designer-Developed TTC Plans will be used during the work on this project*

RIDOT-DEVELOPED TYPICAL TTC PLANS		Included in:	
		TMP	Plan Set
<input checked="" type="checkbox"/>	Mobile Operation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Work Beyond the Shoulder	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Shoulder Closure - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Shoulder Closure - Limited Access	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1-Side Lane Shift - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	2-Side Lane Shift - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Lane Shift - Limited Access	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Lane Closure - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Lane Closure - Four Lane Road	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Lane Closure - Limited Access	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Double Lane Closure - Limited Access	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Others (list) -	<input type="checkbox"/>	<input type="checkbox"/>

[illegible]

**CODE 108.1000**

**PROSECUTION AND PROGRESS**

In accordance with Section **108.08, Failure to Complete on Time, Para. A., Phased Completion, Interim Completion, and Substantial Completion** the following defines the Phased and Interim Completion Dates and Associated Incentive/Disincentive Payment.

**1. Interim Completion Date #1 – Full Bridge Open to all Traffic:**

**220 Calendar Days** from the start of installation of temporary barrier across the bridge for Stage 1A (or the first activity that begins the extended lane closure over the bridge) until the removal of barrier from across the completed bridge structure at the end of Stage 2. If used, the total duration of Stage 1E, in which two lanes of travel are maintained across the bridge, will not be counted towards the 220 Calendar Days for the purposes of calculating associated Incentive and/or Disincentive assessments. The start of installation of temporary barrier across the bridge for Stage 1A shall start no later than **June 8, 2018** unless otherwise approved by the engineer, to be eligible for the incentive.

**Full Bridge Open to all Traffic** is defined as the completed bridge structure with all lanes open to traffic over the bridge with the exception of the concrete repair work at the abutments and wingwalls. It shall also include the completed Horton Farm Road, Lane “F”, and Lane “FR1”. Temporary striping for Horton Farm Road will be allowed until the roadway pavement has reached the required curing period of 14 days. The only remaining work will be the concrete repair work at the abutments and wingwalls for Bridge 472 and the milling, paving, and striping of I-195.

**Incentive/Disincentive:**

**\$15,000.00** per calendar day in accordance with Code 108.9901 Incentive And Disincentive for Full Bridge Open to all Traffic as defined above.

**2. Substantial Completion: August 17, 2019**

Substantial Completion per specification 101.71 and including all of the Works of the Bridge, traffic signs, final striping, as well as for I-195.

Liquidated damages: \$ **1,500.00** per calendar day.



**CODE 108.9901**

**INCENTIVE AND DISINCENTIVE**

DESCRIPTION: The payment provisions set forth elsewhere in the Contract are supplemented by the terms of this Special Provision.

**INTERIM COMPLETION DATE:**

A monetary incentive or disincentive will be applied to the following interim completion duration according to the terms herein:

Interim Completion Date #1 (hereafter referred to as "ICD #1"): As defined in Code 108.1000 Prosecution and Progress, shall be completed.

**INCENTIVE AND DISINCENTIVE ASSESSMENT:**

**ICD #1 – Full Bridge Open to all Traffic:**

Incentive (positive assessment): For each day that the defined work is completed prior to ICD #1, an incentive equal to the sum of **\$15,000.00** per calendar day up to a maximum of forty five days will be added to any monies due the Contractor. This incentive will be calculated from ICD #1 up to the actual completion time of the defined work.

Disincentive (negative assessment): Correspondingly, for each day that the defined work remains incomplete after ICD #1, a disincentive equal to the sum of **\$15,000.00** per calendar day will be deducted from any monies due the Contractor. This disincentive will be calculated from ICD #1 up to the actual completion time of the defined work.

In no case shall the incentive be greater than **\$675,000.00** for ICD #1. There will be no limit to the total disincentive for the contract.

The disincentive amounts are assessed not as a penalty but as liquidated and ascertained damages based upon a percentage of road user costs for the time extending the ICD #1 beyond the specified date and time. The disincentive is for the purpose of recovering the road user costs resulting from delays to the Project. The Contractor should assume that disincentive assessments would commence at the specified completion date and time of from delays to the Project. The Contractor should assume that disincentive assessments would commence at the specified completion date and time of the ICD #1.

For purposes of determining whether the Contractor shall receive an Incentive Payment, the dates and times set forth in this specification will not be adjusted under any circumstance for any reason, cause, or circumstance whatsoever, regardless of fault. Should the Contractor be delayed in the commencement, prosecution, or completion of the work in ICD #1 for any reason, there shall be no revision of the Incentive Assessment calculation date and time or the Disincentive Assessment calculation date and time notwithstanding that there may be granted an extension of time for Work

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Project Name - Horton Farm Bridge No. 472

Estimate Name - Addendum No. 8

R.I. Contract No. - 2017-CB-070

FAP Nos: BRO-472(001), STP-RESF(360)

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201.0408	REMOVE AND DISPOSE RIGID PAVEMENT	2
201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	2
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	3
201.0415	REMOVE AND DISPOSE GUARDRAIL AND POST ALL TYPES	3
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201.0420	REMOVE AND DISPOSE CONCRETE SLAB	4
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201.0425	REMOVE AND DISPOSE FLARED END SECTION	6
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T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	90
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936.9901	MOBILIZATION	92
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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
099	916.0700	GUARDRAIL ENERGY ABSORBING	EACH			
		TERMINAL IMPACT ATTENUATOR				
		I-195				
		73+79, LT		1.00	0005	01
		80+14, RT		1.00	0005	01
Item 916.0700 Total:				2.00		
100	919.0101	TEST PITS	EACH			
		PROJECT WIDE				
		PROJECT WIDE		10.00	0005	01
Item 919.0101 Total:				10.00		
101	922.0100	TEMPORARY CONSTRUCTION SIGNS	SF			
		STANDARD 29.1.0 AND 27.1.1				
		FROM CONSTRUCTION SIGN SUMMARY				
		FROM CONSTRUCTION SIGN		2,148.80	0005	01
		SUMMARY				
		ROUNDING				
		PROJECT WIDE		1.20	0005	01
Item 922.0100 Total:				2,150.00		
102	923.0105	DRUM BARRICADE STANDARD 26.2.0	BDAY			
		I-195 CROSSOVER				
		LANE F RAMP 1A-1D		2,520.00	0005	01
		LANE F RAMP 1E		9,000.00	0005	01
		LANE F RAMP 2A-2D		4,260.00	0005	01
		RESURFACING TYPICAL		6,000.00	0005	01
		STAGE 1A		498.00	0005	01
		STAGE 1B		520.00	0005	01
		STAGE 1C		1,140.00	0005	01
		STAGE 1D		570.00	0005	01
		STAGE 1E		520.00	0005	01
		STAGE 1F		171.00	0005	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
102	923.0105	Cont.	STAGE 1H	498.00	0005	01



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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
102	923.0105 Cont.	STAGE 1I		520.00	0005	01
		STAGE 2A		498.00	0005	01
		STAGE 2A		498.00	0005	01
		STAGE 2B		518.00	0005	01
		STAGE 2B		518.00	0005	01
		STAGE 2C		560.00	0005	01
		STAGE 2C		1,120.00	0005	01
		STAGE 2D		906.00	0005	01
		STAGE 2D		570.00	0005	01
		STAGE 2E		518.00	0005	01
		STAGE 2F		168.00	0005	01
		STAGE 2H		498.00	0005	01
		STAGE 2I		518.00	0005	01
		ROUNDING				
		PROJECT WIDE		786.00	0005	01
Item 923.0105 Total:				28,000.00		
103	923.0125	PLASTIC PIPE TYPE III BARRICADE	EACH			
		STANDARD 26.3.1				
		DETOUR FR-1				
		DETOUR FOR CROSSOVER		1.00	0005	01
		I-195 CROSSOVER				
		STAGE 1A, 1B, 1D		3.00	0005	01
		ROUNDING				
		PROJECT WIDE		1.00	0005	01
Item 923.0125 Total:				5.00		
104	923.0200	FLUORESCENT TRAFFIC CONES STANDARD	EACH			
		26.1.0				
		ENGINEER'S ESTIMATE				
		PROJECT WIDE		350.00	0005	01
Item 923.0200 Total:				350.00		

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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
105	924.0113	ADVANCE WARNING ARROW PANEL	PDAY			
		I-195 CROSSOVER				
		RESURFACING TYPICAL		60.00	0005	01
		STAGE 1A		6.00	0005	01

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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
105	924.0113 Cont.	STAGE 1B		6.00	0005	01
		STAGE 1C		20.00	0005	01
		STAGE 1D		6.00	0005	01
		STAGE 1E		6.00	0005	01
		STAGE 1E		180.00	0005	01
		STAGE 1F		3.00	0005	01
		STAGE 1H		6.00	0005	01
		STAGE 1I		6.00	0005	01
		STAGE 2A		6.00	0005	01
		STAGE 2B		6.00	0005	01
		STAGE 2C		20.00	0005	01
		STAGE 2D		6.00	0005	01
		STAGE 2E		6.00	0005	01
		STAGE 2F		3.00	0005	01
		STAGE 2H		6.00	0005	01
		STAGE 2I		6.00	0005	01
		ROUNDING				
		PROJECT WIDE		4.00	0005	01
Item 924.0113 Total:				320.00		
106	925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	PDAY			
		I-195 CROSSOVER				
		STAGE 1A		4.00	0005	01
		STAGE 1B		4.00	0005	01
		STAGE 1C		40.00	0005	01
		STAGE 1D		8.00	0005	01
		STAGE 1E		4.00	0005	01
		STAGE 1F		6.00	0005	01
		STAGE 1H		4.00	0005	01
		STAGE 1I		4.00	0005	01
		STAGE 2A		4.00	0005	01
		STAGE 2B		4.00	0005	01
		STAGE 2C		40.00	0005	01

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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
106	925.0112	Cont.	STAGE 2D	8.00	0005	01

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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
109	926.0140	Cont. PROJECT WIDE		4.00	0005	01
Item 926.0140 Total:				220.00		
110	926.9901	TEMPORARY IMPACT ATTENUATOR	EACH			
		LANE F RAMP STAGE 1				
		STAGES 1A-1D		1.00	0005	01
		LANE F RAMP STAGE 2				
		STAGES 2A-2D		1.00	0005	01
Item 926.9901 Total:				2.00		
111	926.9902	REMOVE AND RESET TEMPORARY IMPACT ATTENUATOR	EACH			
		LANE F				
		RESET FROM STAGE 1A-1D TO 1E		1.00	0005	01
		RESET FROM STAGE 1E TO 2A-2D		1.00	0005	01
		STAGE 1E				
		RESET FROM STAGES 1A-1D TO			0005	01
		STAGE 1A TO 1B		1.00	0005	01
		STAGE 1B TO 1C		1.00	0005	01
		STAGE 1C TO 2C		1.00	0005	01
		STAGE 1F TO 1H		1.00	0005	01
		STAGE 1H TO 1I		2.00	0005	01
		STAGE 1I TO 2A		2.00	0005	01
		STAGE 2A TO 2B		1.00	0005	01
		STAGE 2A TO 2B		2.00	0005	01
		STAGE 2B TO 2C		1.00	0005	01
		STAGE 2B TO 2C		2.00	0005	01
		STAGE 2C TO 2D		2.00	0005	01
		STAGE 2D TO 2E		2.00	0005	01
		STAGE 2E TO 2F		2.00	0005	01
		STAGE 2F TO 2H		2.00	0005	01
		STAGE 2H TO 2I		2.00	0005	01
Item 926.9902 Total:				7.00		

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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
112	926.9903	RELOCATE PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL	LF			

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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
112	926.9903 Cont.	2% CONTINGENCY				
		PROJECT WIDE		618.00	0005	01
		I-195				
		MEDIAN TO STAGE 1A		1,900.00	0005	01
		MEDIAN TO STAGE 1B		2,008.00	0005	01
		MEDIAN TO STAGE 1C		855.00	0005	01
		MEDIAN TO STAGE 1D		2,180.00	0005	01
		MEDIAN TO STAGE 1E		2,008.00	0005	01
		MEDIAN TO STAGE 1F		855.00	0005	01
		MEDIAN TO STAGE 1H		1,900.00	0005	01
		MEDIAN TO STAGE 1I		2,008.00	0005	01
		MEDIAN TO STAGE 2A			0005	01
		MEDIAN TO STAGE 2B		2,008.00	0005	01
		MEDIAN TO STAGE 2C		855.00	0005	01
		MEDIAN TO STAGE 2D		2,180.00	0005	01
		MEDIAN TO STAGE 2E		2,008.00	0005	01
		MEDIAN TO STAGE 2F		855.00	0005	01
		MEDIAN TO STAGE 2H		1,900.00	0005	01
		MEDIAN TO STAGE 2I		2,008.00	0005	01
		STAGE 1A TO MEDIAN&STORAGE		2,675.00	0005	01
		STAGE 1B TO MEDIAN&STORAGE		2,823.00	0005	01
		STAGE 1C TO 1D		2,020.00	0005	01
		STAGE 1C TO 1E		1,585.00	0005	01
		STAGE 1D TO 1C		2,020.00	0005	01
		STAGE 1E TO 2A		1,900.00	0005	01
		STAGE 1E TO MEDIAN&STORAGE		2,823.00	0005	01
		STAGE 1F TO MEDIAN&STORAGE		1,585.00	0005	01
		STAGE 1H TO MEDIAN&STORAGE		2,675.00	0005	01
		STAGE 1I TO MEDIAN&STORAGE		2,823.00	0005	01
		STAGE 2A TO MEDIAN&STORAGE		2,675.00	0005	01
		STAGE 2B TO MEDIAN&STORAGE		2,823.00	0005	01
		STAGE 2C TO 2D		2,020.00	0005	01
		STAGE 2D TO 2C		2,020.00	0005	01

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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
112	926.9903 Cont.	STAGE 2E TO MEDIAN&STORAGE		2,823.00	0005	01
		STAGE 2F TO MEDIAN&STORAGE		1,585.00	0005	01



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FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
112	926.9903 Cont.	STAGE 2H TO MEDIAN&STORAGE		2,675.00	0005	01
		STAGE 2I TO MEDIAN&STORAGE		2,823.00	0005	01
		RAMP F				
		STAGE 1A TO 1D AND 1E			0005	01
		STAGE 1A-1D TO 1E		195.00	0005	01
		STAGE 1E TO 2A-2D		495.00	0005	01
		ROUNDING				
		PROJECT WIDE		5.00	0005	01
Item 926.9903 Total:				31,500.00		
113	928.9901	TRUCK MOUNTED ATTENUATOR WITH	HRS			
		TRUCK MOUNTED FLASHING ARROW BOARD				
		CROSSOVER SET UP/TAKE DOWN				
		PROJECT WIDE		240.00	0005	01
		NON-CROSSOVER STAGES				
		PROJECT WIDE		96.00	0005	01
		PREP WORK				
		PROJECT WIDE		480.00	0005	01
		RESURFACING DOUBLE LANE				
		PROJECT WIDE		700.00	0005	01
		RESURFACING SINGLE LANE				
		PROJECT WIDE		350.00	0005	01
		ROUNDING				
		PROJECT WIDE		34.00	0005	01
Item 928.9901 Total:				1,900.00		
114	929.0110	FIELD OFFICE	PMO			
		PROJECT WIDE				
		PROJECT WIDE		24.00	0005	01
Item 929.0110 Total:				24.00		
115	931.0110	CLEANING AND SWEEPING PAVEMENT	HSY			
		DRAINAGE TRENCHES/CATCH BASIN				

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
115	931.0110	Cont. PATCH				

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
154	T17.0100	Cont. PROJECT WIDE		2.20	0005	01
Item T17.0100 Total:				170.00		
155	T17.0203	OVERHEAD SIGN STRUCTURE 26-30 FOOT EACH CANTILEVER - STEEL I-195 104+88		1.00	0005	01
Item T17.0203 Total:				1.00		
156	T20.0006	6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT 10% CONTINGENCY PROJECT WIDE I-195 STAGE 1A, 1B, 2A, 2B STAGE 1C, 2C LANE F STAGE 1 STAGE 1E STAGE 2 RESURFACING PROJECT WIDE ROUNDING PROJECT WIDE	LF	15,480.00 52,144.00 28,328.00 2,081.00 2,442.00 800.00 69,000.00 25.00	0005	01
Item T20.0006 Total:				170,300.00		
157	T20.0008	8 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT RESURFACING PROJECT WIDE	LF	250.00	0005	01
Item T20.0008 Total:				250.00		
158	T20.0012	12 INCH WHITE FAST - DRYING	LF			

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
158	T20.0012	Cont. WATERBORNE PAVEMENT MARKING PAINT				
		LANE F				
		STAGE 1A-1D		20.00	0005	01
		STAGE 1D 91+10		18.00	0005	01
		STAGE 2A-2D		16.00	0005	01
		STAGE 2D 91+10		18.00	0005	01
		RESURFACING				
		PROJECT WIDE		18,200.00	0005	01
		ROUNDING				
		PROJECT WIDE		4.00	0005	01
Item T20.0012 Total:				18,240.00		
159	T20.0106	6 INCH YELLOW FAST - DRYING	LF			
		WATERBORNE PAVEMENT MARKING PAINT				
		CONTINGENCY				
		PROJECT WIDE		9,163.00	0005	01
		I-195				
		STAGE 1A, 1B, 2A, 2B		36,008.00	0005	01
		STAGE 1C, 2C		4,800.00	0005	01
		LANE F				
		STAGE 1		1,259.00	0005	01
		STAGE 1E		1,662.00	0005	01
		STAGE 2		1,700.00	0005	01
		RESURFACING				
		PROJECT WIDE		46,200.00	0005	01
		ROUNDING				
		PROJECT WIDE		8.00	0005	01
Item T20.0106 Total:				100,800.00		
160	T20.0820	FAST DRYING WATERBONE PAVEMENT	EACH			
		ARROW - STRAIGHT, LEFT, RIGHT, OR				
		COMBINED STANDARD 20.1.0				
		RESURFACING				

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
160	T20.0820	Cont. PROJECT WIDE		20.00	0005	01
Item T20.0820 Total:				20.00		
161	T20.0822	FAST DRYING WATERBONE PAVEMENT	EACH			
		MARKING WORD "ONLY" STANDARD 20.1.0				
		RESURFACING				
		PROJECT WIDE		16.00	0005	01
Item T20.0822 Total:				16.00		
162	T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	LF			
		10% CONTINGENCY				
		PROJECT WIDE		14,298.00	0005	01
		I-195 CROSSOVER				
		FROM ITEM T20.0006 1C...		14,164.00	0005	01
		FROM ITEM T20.0006 STAGE 1A...		52,144.00	0005	01
		FROM ITEM T20.0106 1C...		9,600.00	0005	01
		FROM ITEM T20.0106 STAGE 1A...		36,008.00	0005	01
		STAGE 1A, 1B, 2A, 2B		16,112.00	0005	01
		STAGE 1C, 2C		7,080.00	0005	01
		LANE F				
		REMOVE TEMPORARY MARKING		4,523.00	0005	01
		ITEM T20.0006 FROM LANE F				
		ITEM T20.0106 FROM LANE F				
		REMOVE TEMPORARY MARKING		2,921.00	0005	01
		STAGE 1A THROUGH 1D STA 132+50 TO 138+50		150.00	0005	01
		STAGE 1A-1D GORE AT MERGE		275.00	0005	01
		ROUNDING				
		PROJECT WIDE		25.00	0005	01
Item T20.1000 Total:				157,300.00		

**Distribution of Quantities**

Project Name - Horton Farm Bridge No. 472

Estimate Name - Addendum No. 8

R.I. Contract No. - 2017-CB-070

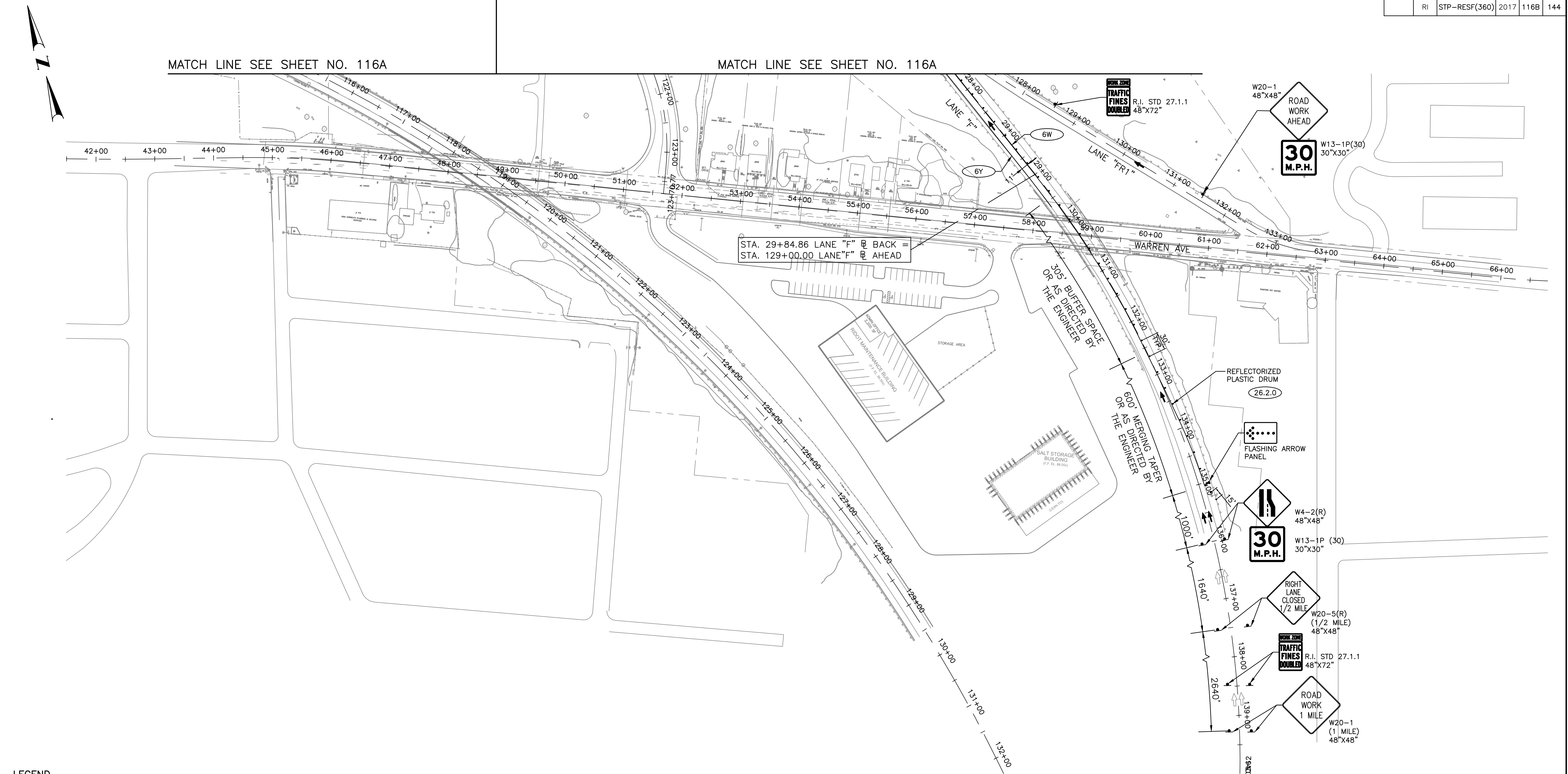
FAP Nos: BRO-472(001), STP-RESF(360)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
163	T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	LF			

















FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI	STP-RESF(360)	2017	116B	144



LEGEND

- |   |   |
|---|---|
|  | EXISTING TRAVEL LANES                               |
|  | PROPOSED TRAVEL LANES                               |
|  | CHANNELIZATION DEVICE – REFLECTORIZED PLASTIC DRUMS |
|  | TEMPORARY PRECAST CONCRETE BARRIER                  |
|  | SIGN  |
|  | TEMPORARY IMPACT ATTENUATOR                         |
|  | CHANGEABLE MESSAGE SIGN (CMS)                       |
|  | FLASHING ARROW PANEL                                |
|  | POLICE CRUISER                                      |
|  | TRUCK MOUNTED ATTENUATOR                            |
|  | WITH TRUCK MOUNTED FLASHING<br>ARROW BOARD          |
|  | WORK ZONE   |



HORIZONTAL SCALE IN FEET  
SCALE 1" = 80'-0"

SHEET ADDED FOR  
ADDENDUM 8

## ADDENDUM NO. 8

Louis Berger

166 VALLEY STREET, BUILDING 5  
PROVIDENCE, RI 02909  
TEL 401 521 5980  
WWW.LOUISSBERGER.COM

[illegible]

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION

IMPROVEMENTS TO I-195  
ABC BRIDGE NO. 472 OVER I-195  
SUPERSTRUCTURE REPLACEMENT  
EAST PROVIDENCE, RHODE ISLAND

# I-195 STAGE 1E

SHEET 2 OF 2

CHECKED BY LBF DATE 1/3/18 SCALE 1"=80'