

May 7, 2014

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7548674

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2014-CT-044

FEDERAL-AID PROJECT NO. FAP Nos: HHZ-0164(004)

Roadway Safety Improvements to Route 102 (Burrillville), Route 146 (North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

The work limits on Broncos Highway (Route 102) are from Victory Highway to Inman Road

The work limits on Route 146 are from 3,400 feet north of the Route 146A Southbound Interchange to 500 feet south of the Route 99 overpass.

The work limits on Memorial Boulevard are from the I-95 overpass to 400 feet east of Francis Street.

CITY/TOWN OF Burrillville, North Smithfield, Providence

COUNTY OF PROVIDENCE

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. Pre-Bid Conference

a. Sign In Sheet

Attached to this Addendum No. 1 is the sign in sheet from the Pre-Bid Conference held on May 1, 2014 at RIDOT.

b. Question 1

Q: Why was Class 9.5 used in the project instead of Class 12.5?

A: According to the RIDOT Materials and Quality Assurance Department, a 1-1/2" layer of pavement is proposed for this project which dictates the use of Class 9.5. The lift thickness needs to be at least four times the nominal maximum aggregate size (four times 9.5mm or 12.5mm) to obtain density.

c. Question 2

Q: To run the rideability tests, will the contractor be required to use a transfer vehicle?

A: The use of a transfer vehicle is not specifically required for this contract.

B. Contract Documents

1. Specifications - Job Specific
 - a. Page JS-i
Delete page JS-i in its entirety and replace it with page JS-i(R-1) attached to this Addendum No. 1. The index has been revised.
 - b. Page JS-1
Delete page JS-1 in its entirety and replace it with page JS-1(R-1) attached to this Addendum No. 1. The specification has been revised.
 - c. Page JS-31
Add page JS-31 attached to this Addendum No. 1. A specification has been added.

2. General Provision - Contract Specific
 - a. Page CS-ii
Delete Page CS-ii in its entirety and replace it with Page CS-ii(R-1) attached to this Addendum No. 1. The index has been revised.
 - b. Page CS-14
Delete Page CS-14 in its entirety and replace it with Page CS-14(R-1) attached to this Addendum No. 1. A section has been added.

C. Distribution of Quantities

1. Index Pages 1 and 2
Delete Index Pages 1 and 2 in their entirety and replace them with Index page 1(R-1) and 2(R-1) attached to this Addendum No. 1. Item Codes 201.0610, T15.9902, T20.0006, T20.0012, T20.0104, T20.1000, T20.2006, T20.2012, and T20.2014 have been revised. Item Codes 925.0112, 931.0110, and T17.9901 have been added.

2. Page 3
Delete Page 3 in its entirety and replace it with Page 3(R-1) attached to this Addendum No. 1. A quantity has been revised.

3. Page 4
Delete Page 4 in its entirety and replace it with Page 4(R-1) attached to this Addendum No. 1. The total for Item 201.0610 has been revised.

4. Page 32
Delete Page 32 in its entirety and replace it with Page 32(R-1) attached to this Addendum No. 1. A station has been removed.

5. Page 36
Delete Page 36 in its entirety and replace it with Page 36(R-1) attached to this Addendum No. 1. Quantities have been revised.

6. Page 36a
Add Page 36a attached to this Addendum No. 1. The changes to Page 36 required an additional page.

7. Page 37
Delete Page 37 in its entirety and replace it with Page 37(R-1) attached to this Addendum No. 1. Quantities have been revised.
8. Page 37a
Add Page 37a attached to this Addendum No. 1. The changes to Page 37 required an additional page.
9. Page 39
Delete Page 39 in its entirety and replace it with Page 39(R-1) attached to this Addendum No. 1. The total for Item T15.9902 has been revised.
10. Page 44
Delete Page 44 in its entirety and replace it with Page 44(R-1) attached to this Addendum No. 1. A quantity has been revised.
11. Page 47
Delete Page 47 in its entirety and replace it with Page 47(R-1) attached to this Addendum No. 1. The total for Item T20.0006 has been revised. A station has been added.
12. Page 47a
Add Page 47a attached to this Addendum No. 1. The changes to Page 47 required an additional page.
13. Page 48
Delete Page 48 in its entirety and replace it with Page 48(R-1) attached to this Addendum No. 1. The total for Item T20.0012 has been revised.
14. Page 49
Delete Page 49 in its entirety and replace it with Page 49(R-1) attached to this Addendum No. 1. Stations have been added.
15. Page 49a
Add page 49a attached to this Addendum No. 1. The changes to Page 49 required an additional page.
16. Page 50
Delete Page 50 in its entirety and replace it with Page 50(R-1) attached to this Addendum No. 1. Stations were added.
17. Page 50a
Add Page 50a attached to this Addendum No. 1. The changes to Page 50 required an additional page.
18. Page 51
Delete Page 51 in its entirety and replace it with Page 51(R-1) attached to this Addendum No. 1. The total for Item T20.0104 has been revised.
19. Page 52
Delete Page 52 in its entirety and replace it with Page 52(R-1) attached to this Addendum No. 1. The quantities and total for Item T20.1000 have been revised.

20. Page 53
Delete Page 53 in its entirety and replace it with Page 53(R-1) attached to this Addendum No. 1. A quantity has been revised.
21. Page 53a
Add Page 53a attached to this Addendum No. 1. The changes to Page 53 required an additional page.
22. Page 57
Delete Page 57 in its entirety and replace it with Page 57(R-1) attached to this Addendum No. 1. A quantity has been revised.
23. Page 59
Delete Page 59 in its entirety and replace it with Page 59(R-1) attached to this Addendum No. 1. Quantities have been revised.
24. Page 60
Delete Page 60 in its entirety and replace it with Page 60(R-1) attached to this Addendum No. 1. The total for Item T20.2006 has been revised.
25. Page 61
Delete Page 61 in its entirety and replace it with Page 61(R-1) attached to this Addendum No. 1. A station has been removed.
26. Page 62
Delete Page 62 in its entirety and replace it with Page 62(R-1) attached to this Addendum No. 1. The quantities and total for Item T20.2012 have been revised.
27. Page 63
Delete Page 63 in its entirety and replace it with Page 63(R-1) attached to this Addendum No. 1. A station has been removed.
28. Page 65
Delete Page 65 in its entirety and replace it with Page 65(R-1) attached to this Addendum No. 1. A station has been removed.
29. Page 66
Delete Page 66 in its entirety and replace it with Page 66(R-1) attached to this Addendum No. 1. The total for Item T20.2014 has been revised.
30. Page 70
Delete Page 70 in its entirety and replace it with Page 70(R-1) attached to this Addendum No. 1. Item Codes 925.0112, 931.0110, and T17.9901 have been added.

D. Drawings/Plans - Change/Addition

1. Sheet 5 - Job Specific Plan Symbols, Legend & Notes
Delete Plan Sheet 5 in its entirety and replace it with Plan Sheet 5(R-1) attached to this Addendum No. 1. Notes have been revised and added.

2. Sheet 13 - Sign Panel Details-2
Delete Plan Sheet 13 in its entirety and replace it with Plan Sheet 13(R-1) attached to this Addendum No. 1. Sign panels have been added.
3. Sheet 41 - Signing & Striping Plan-1
Delete Plan Sheet 41 in its entirety and replace it with Plan Sheet 41(R-1) attached to this Addendum No. 1. A proposed sign has been removed. Baseline reference data has been added.
4. Sheet 58 - Signing & Striping Plan-18
Delete Plan Sheet 58 in its entirety and replace it with Plan Sheet 58(R-1) attached to this Addendum No. 1. A note has been revised.
5. Sheet 69 - Signing & Striping Plan-29
Delete Plan Sheet 69 in its entirety and replace it with Plan Sheet 69(R-1) attached to this Addendum No. 1. Proposed striping has been added.
6. Sheet 70 - Signing and Striping Plan-30
Delete Plan Sheet 70 in its entirety and replace it with Plan Sheet 70(R-1) attached to this Addendum No. 1. A sign, dimensions, and proposed striping have been added. Callouts have been revised.
7. Sheet 71 - Signing & Striping Plan-31
Delete Plan Sheet 71 in its entirety and replace it with Plan Sheet 71(R-1) attached to this Addendum No. 1. A sign panel and dimensions have been added. Callouts have been revised.
8. Sheet 73 - Signing & Striping Plan-33
Delete Plan Sheet 73 in its entirety and replace it with Plan Sheet 73(R-1) attached to this Addendum No. 1. Signs have been added.
9. Sheet 77 - Signing & Striping Plan-37
Delete Plan Sheet 77 in its entirety and replace it with Plan Sheet 77(R-1) attached to this Addendum No. 1. Proposed striping has been revised. A dimension has been added.

E. Other Item Changes

1. 928.0800 - Truck Mounted Attenuator with Truck Mounted Flashing Arrow Board
Lowest acceptable bid price updated to "\$625.00".



RI Department of Transportation
Chief Engineer

TECHNICAL SPECIFICATIONS – JOB SPECIFIC

ROADWAY SAFETY IMPROVEMENTS TO: BRNCOS HIGHWAY (ROUTE 102) CORRIDOR, BURRILLVILLE ROUTE 146 CORRIDOR, NORTH SMITHFIELD & LINCOLN MEMORIAL BOULEVARD AT FRANCIS STREET, PROVIDENCE

<u>Item</u>	<u>INDEX</u> <u>Description</u>	<u>Page</u>
12.105.02	Plans and Shop Drawings	JS-1
12.108.1000	Prosecution and Progress	JS-2
109.04	Differing Site Conditions, Changes, Extra Work and Force Account Work	JS-3
401.9901	Class 9.5 Hot Mix Asphalt with Pay Factors	JS-5
413.9901	Rideability – Surface Course	JS-11
823.9901	Compression Type Neoprene Sealer	JS-13
910.9901,	Cutting Rumble Strips in Bituminous Pavement – 8 Inch	
910.9902	Cutting Rumble Strips in Bituminous Pavement – 16 Inch	JS-14
937.1000	Maintenance and Movement of Traffic Protective Devices	JS-15
938.1000	Price Adjustments	JS-16
943.0200	Trainee Man-Hours	JS-17
T12.9901	Modify Traffic Signal Controller and Cabinet	JS-21
T13.1000	Traffic Detectors and Relays	JS-22
T13.9901	Remove and Relocate Pedestrian Detector – Pushbutton	JS-23
T14.9901	Traffic Signal Equipment Painting	JS-24
T15.9901	Remove And Relocate Existing Sign Panel onto Sign Post	JS-25
T15.9902	Directional, Regulatory, And Warning Signs – High Reflectivity	JS-26
T20.9901	Epoxy Resin Pavement Marking – Yield Line Pavement Markings	JS-27
T20.9902,	Epoxy Resin Pavement Marking – “TO”	
T20.9903,	Epoxy Resin Shield Pavement Marking Symbol	
T20.9904,	Epoxy Resin Pavement Marking – “25”	JS-28
T20.9905	Epoxy Resin Pavement Marking – “MPH”	
T20.9906	Remove Existing Pavement Markings – Symbols	JS-29
T20.9907	Epoxy Resin Pavement Marking – 12 Inch Yellow	JS-30
T17.9901	Modify Overhead Sign Panel Legend	JS-31

JOB SPECIFIC

CODE 12.105.02
PLANS AND SHOP DRAWINGS

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

The Contractor shall keep one set of plans and approved shop drawings available at the site at all times.

All shop drawings will be submitted in a timely fashion such that the Contractor's approved schedule will not be adversely impacted by the submittal process. Shop drawings shall consist of such detailed plans required to control the work that are not included in the plans furnished by the Department. They shall traffic signal equipment including, but not limited to: modifying existing traffic signal controller, span mounted signal head, geometrically programmed louvers, heavy duty pedestrian pushbuttons with signs or any other supplementary plans or similar data required of the Contractor. The Contractor shall submit seven (7) sets of shop drawings to the Engineer. Submittals include shop drawings accompanied by three (3) sets of design computations, cuts from a manufacturer's catalog, and/or supporting technical bulletins.

In addition to the submission requirements set forth above, the Contractor shall simultaneously submit two sets of the shop drawings, computations, cuts from a manufacturer's catalog, and/or supporting technical bulletins to each of the Engineer's agents (consultants) by courier or overnight delivery service in order to expedite review. The shop drawings shall be delivered to:

Vanasse Hangen Brustlin, Inc.
10 Dorrance Street, Suite 400
Providence, Rhode Island 02903
Attn: Peter Pavao, P.E., PTOE

Shop drawings and computations designs shall be stamped only by a Rhode Island registered Professional Engineer. Within thirty (30) calendar days of submission, all shop drawings shall be reviewed by the Engineer and returned to the Contractor for appropriate action. Shop drawings that are found to be erroneous, lacking information necessary to control construction, or not in conformance with accepted design criteria will be disapproved and returned to the Contractor. The Contractor shall address the Engineer's comments and resubmit revised shop drawings and/or design computations.

The Contractor will not be allowed any increase in contract time for the time taken by the Contractor to submit revised shop drawings caused by an erroneous submission, or by a previous submission either lacking the information necessary to control construction, or not conforming to accepted design criteria. Also, the time taken by the Engineer to review the revised shop drawings does not constitute justification for additional contract time. Shop drawings must be approved by the Engineer prior to performance of the work involved. Such approval shall not relieve the Contractor of any responsibility under the contract for the successful completion of the work. Unless otherwise specified in the contract documents, the contract price will include the cost of furnishing all shop drawings.

JOB SPECIFIC

CODE T17.9901

MODIFY OVERHEAD SIGN PANEL LEGEND

DESCRIPTION: This work shall consist of the removal of the existing "LEFT LANES" and "RIGHT LANES" sign panels and the furnishing and the installation of replacement "EXIT ½ MILE" sign panel on existing overhead signs at the location approximately .4 miles north of the intersection with Sayles Hill Road as designated on the plans.

MATERIALS: The materials for this work shall conform to section M.16 of the "Rhode Island Standard Specifications for Road and Bridge Construction".

CONSTRUCTION METHODS: The existing overhead sign panels shown on the plans shall be removed by method approved by the Engineer and replaced with the new sign panel as called for on the plans.

METHOD OF MEASUREMENT: "MODIFY OVERHEAD SIGN PANEL LEGEND" shall be measured by the unit "LUMP SUM" for the completion of the removal of the existing "LEFT LANES" and "RIGHT LANES" sign panels and the furnishing and installation of replacement "EXIT ½ MILE" sign panel (regardless of the size or length of text) on existing overhead signs at the location designated on the plans as directed by the Engineer.

BASIS OF PAYMENT: "MODIFY OVERHEAD SIGN PANEL LEGEND" shall be paid for at the contract unit price bid per "LUMP SUM" as listed in the Proposal. Said price and payment shall constitute full compensation for the removal and disposal of the existing sign panel, the furnishing and installation of the new sign panel (regardless of the size or length of text), anchorages, hardware and appurtenances, as well as all labor, equipment, tools, and all work incidental thereto complete in place and accepted by the Engineer.

GENERAL PROVISIONS – CONTRACT SPECIFIC

INDEX (CONTINUED)

<u>Section</u>	<u>Title</u>	<u>Page</u>
17	Location of Signs	CS-10
18	Construction Requirements for Traffic Signal Installation	CS-10
19	Sidewalk Removal/Installation	CS-11
20	Special Requirements for Pavement Markings	CS-11
21	Coordination with RIPTA	CS-11
22	National Grid Requirements	CS-12
23	Environmental Permits	CS-13
24	Traffic Management Plan	CS-13
25	Specialty Items	CS-14
26	Police Compensation	CS-14
27	Reflective Sheeting	CS-14
28	Baseline Layout	CS-14
Appendices: Appendix A	Transportation Management Plan	CS-15

25. SPECIALTY ITEMS

The following items are hereby designated "Specialty Items":

Epoxy Resin Pavement Markings

Modifying Existing Traffic Signal Controller

1 Way 1 Section Span Mounted Signal Head

Geometrically Programmed Louvers

Remove and Relocate Heavy Duty Pedestrian Detector

26. POLICE COMPENSATION

It will be the responsibility of the Resident Engineer to retain the services of the State and Local Police for traffic control and protection of this project. The Contractor shall give the Resident Engineer four (4) working days' notice of anticipated lane and shoulder closures (location and duration) in order for the Resident Engineer to determine if police details are appropriate and to obtain their services. The Contractor will not be required to bid, or be compensated for, the services of the police

27. REFLECTIVE SHEETING

All proposed permanent highway signs shall use ASTM Type XI unmetalized cube corner microprismatic per ASTM D4956-11a Standard Specification for Retroreflective Sheeting for Traffic Control. ASTM Type XI unmetalized cube corner microprismatic per ASTM D4956-11a Standard Specification for Retroreflective Sheeting for Traffic Control meets Table 2A-3 Minimum Maintained Retroreflectivity levels for signs in the 2009 MUTCD.

28. BASELINE LAYOUT

The Contractor shall note that no survey was performed for the layout of the baseline on Broncos Highway (Route 102). The baseline shown follows the existing centerline striping on Broncos Highway. The Contractor shall lay out the baseline before any micro milling activities occur using the reference point given on Signing and Striping Plan No. 1.

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Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)
Estimate Name - Addendum to 2014-CT-044
R.I. Contract No. - 2014-CT-044
FAP Nos: HHZ-0164(004)

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201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	1
206.9901	8 INCH COMPOST FILTER SOCK	4
401.9901	CLASS 9.5 HOT MIX ASPHALT WITH PAY FACTORS	6
403.0300	ASPHALT EMULSION TACK COAT	7
707.1000	ADJUST SANITARY MANHOLE	9
707.1100	ADJUST CATCH BASINS	10
713.8300	ADJUST GAS GATE BOXES TO GRADE	12
821.1690	SAW & SEALING JOINTS IN BITUMINOUS CONCRETE PAVEMENT	12
823.9901	COMPRESSION TYPE NEOPRENE SEALER	13
910.9901	CUTTING RUMBLE STRIP IN BITUMINOUS PAVEMENT - 8 INCH	13
910.9902	CUTTING RUMBLE STRIP IN BITUMINOUS PAVEMENT - 16 INCH	19
914.5010	FLAGPERSONS	21
914.5020	FLAGPERSONS - OVERTIME	21
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	21
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923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	23
928.0800	TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD	23
929.0110	FIELD OFFICE	24
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935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	28
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T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD 19.6.0	30
T13.1004	TRAFFIC DETECTOR RELAY-LOOP 4 CHANNEL	31
T13.9901	REMOVE AND RELOCATE PEDESTRIAN DETECTOR - PUSHBUTTON	31
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T15.9901	REMOVE AND RESET DIRECTIONAL REGULATORY AND WARNING SIGNS	32
T15.9902	DIRECTIONAL REGULATORY AND WARNING SIGNS - HIGH REFLECTIVITY	32
T20.0006	6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	39
T20.0012	12 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	47
T20.0104	4 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	48
T20.0820	FAST DRYING WATERBORNE PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0	51
T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	52
T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	53
T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	60
T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	63
T20.2016	6 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	66
T20.2020	EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0	66
T20.2022	EPOXY RESIN PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0	67
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<u>ItemCode</u>	<u>Description</u>	<u>Page</u>
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T20.9904	EPOXY RESIN PAVEMENT MARKING WORD "25"	68
T20.9905	EPOXY RESIN PAVEMENT MARKING WORD "MPH"	69
T20.9906	REMOVE EXISTING PAVEMENT MARKINGS (ARROWS, WORDS, SYMBOLS)	69
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T17.9901	MODIFY OVERHEAD SIGN PANEL LEGEND	70

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
001	201.0610 Cont.	STA. 260+29		1.00	0021	01
		STA. 262+37		1.00	0021	01
		SIGNING AND STRIPING PLAN 24				
		STA. 279+42		1.00	0021	01
		STA. 288+17		1.00	0021	01
		SIGNING AND STRIPING PLAN 25				
		STA. 291+63		1.00	0021	01
		STA. 292+04		1.00	0021	01
		STA. 293+49		1.00	0021	01
		STA. 294+72		1.00	0021	01
		STA. 295+06		1.00	0021	01
		STA. 295+17		1.00	0021	01
		STA. 295+86		1.00	0021	01
		STA. 296+35		1.00	0021	01
		STA. 298+29		1.00	0021	01
		STA. 298+96		1.00	0021	01
		STA. 300+20		1.00	0021	01
		SIGNING AND STRIPING PLAN 27				
		AS SHOWN ON PLAN		4.00	0021	01
		SIGNING AND STRIPING PLAN 28				
		AS SHOWN ON PLAN		1.00	0021	01
		SIGNING AND STRIPING PLAN 29				
		AS SHOWN ON PLAN		7.00	0021	01
		SIGNING AND STRIPING PLAN 3				
		STA. 35+04		1.00	0021	01
		SIGNING AND STRIPING PLAN 30				
		AS SHOWN ON PLAN		9.00	0021	01
		SIGNING AND STRIPING PLAN 31				
		AS SHOWN ON PLAN		1.00	0021	01
		SIGNING AND STRIPING PLAN 33				
		AS SHOWN ON PLAN		6.00	0021	01
		SIGNING AND STRIPING PLAN 34				
		AS SHOWN ON PLAN		7.00	0021	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
001	201.0610 Cont.	SIGNING AND STRIPING PLAN 35				
		AS SHOWN ON PLAN		1.00	0021	01
		SIGNING AND STRIPING PLAN 36				
		AS SHOWN ON PLAN		2.00	0021	01
		SIGNING AND STRIPING PLAN 37				
		AS SHOWN ON PLAN		1.00	0021	01
		SIGNING AND STRIPING PLAN 39				
		MEMORIAL BOULEVARD		4.00	0021	01
		SIGNING AND STRIPING PLAN 5				
		STA. 60+75		1.00	0021	01
		SIGNING AND STRIPING PLAN 6				
		STA. 65+60		1.00	0021	01
		STA. 66+35		1.00	0021	01
		STA. 66+40		1.00	0021	01
		STA. 67+85		1.00	0021	01
		STA. 68+50		1.00	0021	01
		STA. 69+50		1.00	0021	01
		STA. 71+75		1.00	0021	01
		SIGNING AND STRIPING PLAN 7				
		STA. 74+93		1.00	0021	01
		STA. 82+77		1.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 92+10		1.00	0021	01
		SIGNING AND STRIPING PLAN 9				
		STA. 101+95		1.00	0021	01
		STA. 109+84		1.00	0021	01
		TRAFFIC SIGNAL PLAN				
		MEMORIAL BOULEVARD		6.00	0021	01
Item 201.0610 Total:				127.00		
002	206.9901	8 INCH COMPOST FILTER SOCK	LF			
		BRONCOS HIGHWAY				
		STA. 10+97 RT.		16.00	0021	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S030	T14.9902 Cont.	TRAFFIC SIGNAL PLAN				
		MEMORIAL BOULAVARD		1.00	0021	01
				Item T14.9902 Total:		1.00
031	T15.0200	REMOVE AND RELOCATE DIRECTIONAL REGULATORY AND WARNING SIGN	EACH			
		SIGNING AND STRIPING PLAN 32				
		R2-1		1.00	0021	01
		SIGNING AND STRIPING PLAN 38				
		MEMORIAL BOULEVARD		1.00	0021	01
		SIGNING AND STRIPING PLAN 39				
		MEMORIAL BOULEVARD		1.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 91+90 TO 91+77 LT.		1.00	0021	01
				Item T15.0200 Total:		4.00
032	T15.9901	REMOVE AND RESET DIRECTIONAL REGULATORY AND WARNING SIGNS	EACH			
		SIGNING AND STRIPING PLAN 33				
		R4-7		1.00	0021	01
		SIGNING AND STRIPING PLAN 36				
		R1-1		2.00	0021	01
		R3-1		1.00	0021	01
				Item T15.9901 Total:		4.00
033	T15.9902	DIRECTIONAL REGULATORY AND WARNING SIGNS - HIGH REFLECTIVITY	SF			
		SIGNING AND STRIPING PLAN 1				
		STA. 0+11 LT.			0021	01
		STA. 10+59 LT.		8.00	0021	01
		STA. 10+73 RT.		6.25	0021	01
		STA. 10+81 RT.		6.25	0021	01
		STA. 10+87 RT.		10.00	0021	01

Distribution of Quantities

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 Estimate Name - Addendum to 2014-CT-044
 R.I. Contract No. - 2014-CT-044
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<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
033	T15.9902 Cont.	SIGNING AND STRIPING PLAN 23				
		STA. 276+50 RT.		9.00	0021	01
		SIGNING AND STRIPING PLAN 24				
		STA. 279+42 RT.		7.50	0021	01
		STA. 288+00 RT.		14.00	0021	01
		SIGNING AND STRIPING PLAN 25				
		STA. 291+35 LT.		7.75	0021	01
		STA. 291+91 RT.		7.75	0021	01
		STA. 292+56 RT.		1.50	0021	01
		STA. 295+48 LT.		14.00	0021	01
		STA. 300+20 RT.		1.50	0021	01
		SIGNING AND STRIPING PLAN 26				
		MOUNT PLEASANT INTERSECTION		18.00	0021	01
		SIGNING AND STRIPING PLAN 27				
		W3-5		32.00	0021	01
		W9-7MOD		135.00	0021	01
		SIGNING AND STRIPING PLAN 28				
		R2-1		40.00	0021	01
		W1-2L		32.00	0021	01
		W13-1P		12.50	0021	01
		W4-3		16.00	0021	01
		SIGNING AND STRIPING PLAN 29				
		W1-11L		16.00	0021	01
		W13-1P		6.25	0021	01
		W1-8L		24.00	0021	01
		W4-1L		32.00	0021	01
		W4-3L		32.00	0021	01
		SIGNING AND STRIPING PLAN 3				
		STA. 28+95 RT.		9.00	0021	01
		STA. 35+04 LT.		7.50	0021	01
		SIGNING AND STRIPING PLAN 30				
		E5-1		20.00	0021	01
		M1-5		10.00	0021	01

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FAP Nos: HHZ-0164(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
033	T15.9902 Cont.	M3-1		2.00	0021	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
033	T15.9902 Cont.	M6-1L		2.25	0021	01
		R1-2		8.00	0021	01
		R2-1		20.00	0021	01
		W1-11L		16.00	0021	01
		W1-11R		16.00	0021	01
		W13-1P		12.50	0021	01
		W1-8L		36.00	0021	01
		W4-1L		16.00	0021	01
		SIGNING AND STRIPING PLAN 31				
		OVERHEAD SIGN PANEL		50.75	0021	01
		W16-4P		10.00	0021	01
		W2-MOD		32.00	0021	01
		SIGNING AND STRIPING PLAN 32				
		R2-1		40.00	0021	01
		W16-3P		10.00	0021	01
		W3-3		32.00	0021	01
		SIGNING AND STRIPING PLAN 33				
		D3-2		85.00	0021	01
		M1-5		10.00	0021	01
		M3-1		2.00	0021	01
		M3-3		2.00	0021	01
		M5-1L		2.25	0021	01
		M5-1R		2.25	0021	01
		R10-11A		7.50	0021	01
		R10-15L		6.25	0021	01
		R10-15R		6.25	0021	01
		R3-7L		9.00	0021	01
		S3-1		9.00	0021	01
		W4-5P		3.00	0021	01
		W7-3A		5.00	0021	01
		SIGNING AND STRIPING PLAN 34				
		D3-2		85.00	0021	01
		R2-1		40.00	0021	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
033	T15.9902 Cont.	R5-1A		17.50	0021	01
		R6-1R		13.50	0021	01
		W16-3P		10.00	0021	01
		W3-3		32.00	0021	01
		SIGNING AND STRIPING PLAN 36				
		D3-2		12.00	0021	01
		E11-1		9.00	0021	01
		R2-1		40.00	0021	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
033	T15.9902 Cont.	SIGNING AND STRIPING PLAN 7				
		STA. 74+93 RT.		7.50	0021	01
		STA. 75+00 LT.		10.00	0021	01
		STA. 81+50 RT.		9.00	0021	01
		STA. 82+77 LT.		7.50	0021	01
		STA. 84+00 RT.		12.75	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 91+77 LT.		8.50	0021	01
		STA. 91+96 LT.		6.25	0021	01
		STA. 92+10 LT.		6.25	0021	01
		STA. 92+20 RT.		8.00	0021	01
		STA. 92+38 LT.		6.25	0021	01
		SIGNING AND STRIPING PLAN 9				
		STA. 101+50 LT.		12.75	0021	01
		STA. 103+00 LT.		9.00	0021	01
		STA. 105+50 RT.		12.75	0021	01
		STA. 108+00 LT.		12.00	0021	01
		STA. 109+84 LT.		7.50	0021	01
		TRAFFIC SIGNAL PLAN				
		R10-3E(L)		2.00	0021	01
		R10-3E(R)		2.00	0021	01
		R3-2		8.00	0021	01
		R3-5A		15.00	0021	01
Item T15.9902 Total:				2,638.25		
034	T20.0006	6 INCH WHITE FAST - DRYING	LF			
		WATERBORNE PAVEMENT MARKING PAINT				
		SIGNING AND STRIPING PLAN 1				
		STA. 10+54 TO STA. 12+50 RT.		236.00	0021	01
		STA. 9+33 TO STA. 10+22 RT.		121.00	0021	01
		STA. 9+33 TO STA. 12+50 LT.		317.00	0021	01
		SIGNING AND STRIPING PLAN 10				
		STA. 111+50 TO STA. 114+01		255.00	0021	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
034	T20.0006 Cont.	STA. 23+48 TO STA. 24+50 LT.		102.00	0021	01
		SIGNING AND STRIPING PLAN 20				
		BURRILLVILLE MIDDLE SCHOOL		50.00	0021	01
		STA. 233+00 TO STA. 242+16		922.00	0021	01
		LT.				
		STA. 233+00 TO STA. 245+50		1,250.00	0021	01
		RT.				
		STA. 233+29 TO STA. 242+16		230.00	0021	01
		LT.				
		STA. 238+06 TO STA. 239+59		52.00	0021	01
		RT.				
		STA. 239+65 TO STA. 242+16		251.00	0021	01
		RT.				
		STA. 242+98 TO STA. 245+50		254.00	0021	01
		LT.				
		STA. 242+99 TO STA. 243+98		100.00	0021	01
		LT.				
		STA. 244+30 TO STA. 245+20		30.00	0021	01
		LT.				
		SIGNING AND STRIPING PLAN 21				
		STA. 245+50 TO STA. 251+97		170.00	0021	01
		LT.				
		STA. 245+50 TO STA. 255+50		1,000.00	0021	01
		LT.				
		STA. 245+50 TO STA. 255+50		1,000.00	0021	01
		RT.				
		STA. 252+10 TO STA. 255+48		114.00	0021	01
		RT.				
		SIGNING AND STRIPING PLAN 22				
		STA. 255+50 TO STA. 256+75		160.00	0021	01
		LT.				
		STA. 255+50 TO STA. 257+08		190.00	0021	01
		RT.				

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
034	T20.0006 Cont.	STA. 99+75 TO STA. 111+50 RT.		1,175.00	0021	01
Item T20.0006 Total:				59,805.00		
035	T20.0012	12 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT MISC	LF			
		AS NEEDED		34.00	0021	01
		SIGNING AND STRIPING PLAN 1				
		STA. 10+31 TO STA. 10+58 RT.		27.00	0021	01
		SIGNING AND STRIPING PLAN 10				
		STA. 113+96 RT.		32.00	0021	01
		STA. 114+33 TO STA. 114+47 RT.		14.00	0021	01
		STA. 114+44 TO STA. 114+60 LT.		16.00	0021	01
		STA. 114+96 LT.		35.00	0021	01
		SIGNING AND STRIPING PLAN 11				
		STA. 126+54 TO STA. 126+73 LT.		19.00	0021	01
		SIGNING AND STRIPING PLAN 13				
		STA. 155+24 RT.		29.00	0021	01
		STA. 155+26 TO STA. 155+44		207.00	0021	01
		STA. 155+44 TO STA. 155+89 LT.		158.00	0021	01
		STA. 155+45 TO STA. 155+62 LT.		17.00	0021	01
		STA. 155+57 TO STA. 155+96 RT.		122.00	0021	01
		STA. 155+70 TO STA. 155+90 RT.		20.00	0021	01
		STA. 156+02 TO STA. 156+15 STA. 156+19 LT.		223.00	0021	01
		STA. 156+19 LT.		31.00	0021	01
		SIGNING AND STRIPING PLAN 15				

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<u>Item</u> <u>No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay</u> <u>Code</u>	<u>Seq.</u> <u>No.</u>
035	T20.0012 Cont.	GLEN MEADOW LANE EB APPROACH SIGNING AND STRIPING PLAN 18		15.00	0021	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
035	T20.0012 Cont.	STA. 209+83 TO STA. 210+05 RT.		22.00	0021	01
		STA. 210+22 TO STA. 212+72 RT.		337.00	0021	01
		SIGNING AND STRIPING PLAN 20				
		STA. 242+16 RT.		22.00	0021	01
		STA. 242+18 TO STA. 242+32		189.00	0021	01
		STA. 242+27 TO STA. 242+64 LT.		36.00	0021	01
		STA. 242+99 LT.		35.00	0021	01
		SIGNING AND STRIPING PLAN 22				
		STA. 256+63 TO STA. 256+94 LT.		30.00	0021	01
		STA. 256+70 RT.		23.00	0021	01
		STA. 257+16 TO STA. 257+36 RT.		20.00	0021	01
		STA. 257+27 TO STA. 257+44		245.00	0021	01
		STA. 257+46 LT.		23.00	0021	01
		SIGNING AND STRIPING PLAN 6				
		STA. 65+54 TO STA. 65+83 LT.		31.00	0021	01
		STA. 66+07 TO STA. 66+30 RT.		23.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 92+03 TO STA. 92+38 LT.		35.00	0021	01
Item T20.0012 Total:				2,070.00		
036	T20.0104	4 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT MISC	LF			
		AS NEEDED		27.00	0021	01
		SIGNING AND STRIPING PLAN 1				
		STA. 10+31 TO STA. 10+39		74.00	0021	01
		STA. 10+67 TO STA. 12+50		732.00	0021	01
		STA. 9+33 TO STA. 9+68		70.00	0021	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
036	T20.0104 Cont.	SIGNING AND STRIPING PLAN 10				
		CENTRAL STREET EB APPROACH (4DY)		100.00	0021	01
		CENTRAL STREET WB APPROACH (4DY)		100.00	0021	01
		STA. 111+50 TO STA. 113+97		988.00	0021	01
		STA. 114+95 TO STA. 120+89		2,376.00	0021	01
		STA. 120+89 TO STA. 123+25		948.00	0021	01
		SIGNING AND STRIPING PLAN 11				
		CLEAR RIVER DRIVE EB APPROACH (4DY)		100.00	0021	01
		STA. 123+25 TO STA. 126+39		1,128.00	0021	01
		STA. 127+16 TO STA. 130+66		1,416.00	0021	01
		STA. 130+66 TO STA. 135+75		2,036.00	0021	01
		SIGNING AND STRIPING PLAN 12				
		STA. 135+75 TO STA. 148+25		5,000.00	0021	01
		SIGNING AND STRIPING PLAN 13				
		STA. 148+25 TO STA. 155+24		2,557.00	0021	01
		STA. 155+58 TO STA. 155+61		55.00	0021	01
		STA. 155+70 TO STA. 155+72		32.00	0021	01
		STA. 156+19 TO STA. 160+25		1,363.00	0021	01
		SIGNING AND STRIPING PLAN 14				
		STA. 160+25 TO STA. 164+54		1,588.00	0021	01
		STA. 164+94 TO STA. 167+86		1,179.00	0021	01
		STA. 167+86 TO STA. 172+50		1,856.00	0021	01
		SIGNING AND STRIPING PLAN 15				
		STA. 172+50 TO STA. 174+22		688.00	0021	01
		STA. 174+51 TO STA. 184+50		3,996.00	0021	01
		SIGNING AND STRIPING PLAN 16				
		STA. 184+50 TO STA. 196+50		4,800.00	0021	01
		SIGNING AND STRIPING PLAN 17				
		STA. 196+50 TO STA. 205+69		3,676.00	0021	01
		STA. 205+69 TO STA. 208+50		1,127.00	0021	01

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036	T20.0104 Cont.	SIGNING AND STRIPING PLAN 18				
		GLENDALE BYPASS NB APPROACH		100.00	0021	01
		STA. 208+50 TO STA. 209+54		425.00	0021	01
		STA. 210+11 TO STA. 215+56		2,051.00	0021	01
		STA. 215+56 TO STA. 220+75		2,076.00	0021	01
		SIGNING AND STRIPING PLAN 19				
		STA. 220+75 TO STA. 233+00		4,900.00	0021	01

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036	T20.0104 Cont.	SIGNING AND STRIPING PLAN 2				
		STA. 12+50 TO STA. 23+18		4,272.00	0021	01
		STA. 23+48 TO STA. 24+50		408.00	0021	01
		SIGNING AND STRIPING PLAN 20				
		BURRILLVILLE MIDDLE SCHOOL DRIVEWAY		100.00	0021	01
		STA. 233+00 TO STA. 234+62		648.00	0021	01
		STA. 234+62 TO STA. 242+16		2,495.00	0021	01
		STA. 242+99 TO STA. 245+50		1,015.00	0021	01
		SIGNING AND STRIPING PLAN 21				
		STA. 245+50 TO STA. 246+83		535.00	0021	01
		STA. 246+83 TO STA. 255+50		3,468.00	0021	01
		SIGNING AND STRIPING PLAN 22				
		STA. 255+50 TO STA. 256+70		480.00	0021	01
		STA. 256+86 TO STA. 256+95		71.00	0021	01
		STA. 257+15 TO STA. 257+21		47.00	0021	01
		STA. 257+45 TO STA. 267+00		3,820.00	0021	01
		SIGNING AND STRIPING PLAN 23				
		STA. 267+00 TO STA. 279+00		4,800.00	0021	01
		SIGNING AND STRIPING PLAN 24				
		STA. 279+00 TO STA. 281+36		944.00	0021	01
		STA. 281+36 TO STA. 282+00		257.00	0021	01
		SIGNING AND STRIPING PLAN 3				
		STA. 24+50 TO STA. 36+50		4,800.00	0021	01
		SIGNING AND STRIPING PLAN 4				
		STA. 36+50 TO STA. 39+23		1,092.00	0021	01
		STA. 39+59 TO STA. 49+00		3,764.00	0021	01
		SIGNING AND STRIPING PLAN 5				
		STA. 49+00 TO STA. 61+50		5,000.00	0021	01
		SIGNING AND STRIPING PLAN 6				
		LAPHAM FARM ROAD EB APPROACH		100.00	0021	01
		LAPHAM FARM ROAD WB APPROACH		100.00	0021	01
		STA. 61+50 TO STA. 62+44		378.00	0021	01

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036	T20.0104 Cont.	STA. 62+44 TO STA. 65+74		660.00	0021	01
		STA. 66+16 TO STA. 71+16		1,872.00	0021	01
		STA. 71+16 TO STA. 74+25		1,236.00	0021	01
SIGNING AND STRIPING PLAN 7						

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036	T20.0104 Cont.	STA. 74+25 TO STA. 86+54		4,916.00	0021	01
		STA. 86+54 TO STA. 87+25		288.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 87+25 TO STA. 91+99		1,765.00	0021	01
		STA. 92+33 TO STA. 92+42		93.00	0021	01
		STA. 92+97 TO STA. 96+39		1,378.00	0021	01
		STA. 96+39 TO STA. 99+75		1,344.00	0021	01
		SIGNING AND STRIPING PLAN 9				
		STA. 99+75 TO STA. 111+50		4,700.00	0021	01
Item T20.0104 Total:				104,410.00		
037	T20.0820	FAST DRYING WATERBONE PAVEMENT	EACH			
		ARROW - STRAIGHT, LEFT, RIGHT, OR				
		COMBINED STANDARD 20.1.0				
		SIGNING AND STRIPING PLAN 10				
		STA. 113+27 RT.		1.00	0021	01
		STA. 113+69 RT.		1.00	0021	01
		STA. 115+25 LT.		1.00	0021	01
		STA. 115+65 LT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 11				
		STA. 126+10 RT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 13				
		STA. 154+55 RT.		1.00	0021	01
		STA. 154+95 RT.		1.00	0021	01
		STA. 156+48 LT.		2.00	0021	01
		STA. 156+88 LT.		1.00	0021	01
		STA. 157+68 LT.		1.00	0021	01
		STA. 158+88 LT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 14				
		STA. 164+24 RT.		1.00	0021	01
		STA. 165+23 LT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 18				
		STA. 208+59 RT.		1.00	0021	01

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
037	T20.0820 Cont.	STA. 209+00 RT.		1.00	0021	01
		STA. 210+40 LT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 20				
		STA. 239+97 RT.		1.00	0021	01
		STA. 240+92 RT.		1.00	0021	01
		STA. 241+86 RT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 21				
		STA. 254+02 RT.		1.00	0021	01
		STA. 255+22 RT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 22				
		STA. 256+41 RT.		1.00	0021	01
		STA. 257+75 LT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 6				
		STA. 65+44 RT.		1.00	0021	01
		STA. 66+44 LT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 91+70 RT.		1.00	0021	01
Item T20.0820 Total:				27.00		
038	T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	LF			
		SIGNING AND STRIPING PLAN 29				
		AS SHOWN ON PLAN		64.00	0021	01
		SIGNING AND STRIPING PLAN 30				
		AS SHOWN ON PLAN		2,320.00	0021	01
		SIGNING AND STRIPING PLAN 31				
		AS SHOWN ON PLAN		300.00	0021	01
		SIGNING AND STRIPING PLAN 37				
		AS SHOWN ON PLAN		875.00	0021	01
		SIGNING AND STRIPING PLAN 38				
		MEMORIAL BOULEVARD		205.00	0021	01
		SIGNING AND STRIPING PLAN 39				
		MEMORIAL BOULEVARD		672.00	0021	01
Item T20.1000 Total:				4,436.00		

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S039	T20.2006	6 INCH EPOXY RESIN PAVEMENT	LF			
		MARKINGS WHITE				
		MISC				
		AS NEEDED		13.00	0021	01
		SIGNING AND STRIPING PLAN 1				
		STA. 10+54 TO STA. 12+50 RT.		236.00	0021	01
		STA. 9+33 TO STA. 10+22 RT.		121.00	0021	01
		STA. 9+33 TO STA. 12+50 LT.		317.00	0021	01
		SIGNING AND STRIPING PLAN 10				
		STA. 111+50 TO STA. 114+01 RT.		255.00	0021	01
		STA. 111+50 TO STA. 114+44 LT.		299.00	0021	01
		STA. 111+53 TO STA. 112+93 RT.		48.00	0021	01
		STA. 112+97 TO STA. 113+96 RT.		99.00	0021	01
		STA. 114+47 TO STA. 123+25 RT.		889.00	0021	01
		STA. 114+96 TO STA. 115+96 LT.		100.00	0021	01
		STA. 114+97 TO STA. 123+25 LT.		831.00	0021	01
		STA. 116+02 TO STA. 117+54 LT.		52.00	0021	01
		SIGNING AND STRIPING PLAN 11				
		STA. 123+25 TO STA. 126+54 LT.		335.00	0021	01
		STA. 123+25 TO STA. 135+75 RT.		1,250.00	0021	01
		STA. 124+27 TO STA. 125+85 RT.		54.00	0021	01
		STA. 125+89 TO STA. 126+39		50.00	0021	01

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
 (North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)
 Estimate Name - Addendum to 2014-CT-044
 R.I. Contract No. - 2014-CT-044
 FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S039	T20.2006 Cont.	RT. STA. 127+16 TO STA. 135+75		862.00	0021	01

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S039	T20.2006 Cont.	STA. 220+75 TO STA. 233+00		1,225.00	0021	01
		RT.				
		STA. 232+89 TO STA. 232+99		10.00	0021	01
		LT.				
		SIGNING AND STRIPING PLAN 2				
		STA. 12+50 TO STA. 23+18 LT.		1,068.00	0021	01
		STA. 12+50 TO STA. 24+50 RT.		1,200.00	0021	01
		STA. 16+72 TO STA. 24+42 RT.		200.00	0021	01
		STA. 23+48 TO STA. 24+50 LT.		102.00	0021	01
		SIGNING AND STRIPING PLAN 20				
		BURRILLVILLE MIDDLE SCHOOL		50.00	0021	01
		STA. 233+00 TO STA. 242+16		922.00	0021	01
		LT.				
		STA. 233+00 TO STA. 245+50		1,250.00	0021	01
		RT.				
		STA. 233+29 TO STA. 242+16		230.00	0021	01
		LT.				
		STA. 238+06 TO STA. 239+59		52.00	0021	01
		RT.				
		STA. 239+65 TO STA. 242+16		251.00	0021	01
		RT.				
		STA. 242+98 TO STA. 245+50		254.00	0021	01
		LT.				
		STA. 242+99 TO STA. 243+98		100.00	0021	01
		LT.				
		STA. 244+30 TO STA. 245+20		30.00	0021	01
		LT.				
		SIGNING AND STRIPING PLAN 21				
		STA. 245+50 TO STA. 251+97		170.00	0021	01
		LT.				
		STA. 245+50 TO STA. 255+50		1,000.00	0021	01
		LT.				
		STA. 245+50 TO STA. 255+50		1,000.00	0021	01

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S039	T20.2006 Cont.	RT.				
		SIGNING AND STRIPING PLAN 26				
		NORTHBOUND		60.00	0021	01
		SOUTHBOUND		73.00	0021	01
		SIGNING AND STRIPING PLAN 29				
		AS SHOWN ON PLAN		164.00	0021	01
		SIGNING AND STRIPING PLAN 3				
		STA. 24+50 TO STA. 36+50 LT.		1,200.00	0021	01
		STA. 24+50 TO STA. 36+50 RT.		1,200.00	0021	01
		STA. 24+72 TO STA. 32+02 RT.		190.00	0021	01
		SIGNING AND STRIPING PLAN 30				
		6BW		170.00	0021	01
		6DSW		170.00	0021	01
		6W		1,218.00	0021	01
		SIGNING AND STRIPING PLAN 31				
		6BW		30.00	0021	01
		6DSW		46.00	0021	01
		6W		133.00	0021	01
		SIGNING AND STRIPING PLAN 37				
		AS SHOWN ON PLAN		230.00	0021	01
		SIGNING AND STRIPING PLAN 38				
		MEMORIAL BOULEVARD		118.00	0021	01
		SIGNING AND STRIPING PLAN 39				
		MEMORIAL BOULEVARD		595.00	0021	01
		SIGNING AND STRIPING PLAN 4				
		STA. 36+50 TO STA. 39+23 LT.		273.00	0021	01
		STA. 36+50 TO STA. 49+00 RT.		1,250.00	0021	01
		STA. 39+59 TO STA. 49+00 LT.		941.00	0021	01
		STA. 47+09 TO STA. 48+79 LT.		50.00	0021	01
		SIGNING AND STRIPING PLAN 5				
		STA. 49+00 TO STA. 61+50 LT.		1,250.00	0021	01
		STA. 49+00 TO STA. 61+50 RT.		1,250.00	0021	01
		STA. 49+09 TO STA. 61+19 LT.		310.00	0021	01

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S039	T20.2006 Cont.	SIGNING AND STRIPING PLAN 6				
		STA. 61+50 TO STA. 63+59 LT.		60.00	0021	01
		STA. 61+50 TO STA. 65+59 LT.		417.00	0021	01
		STA. 61+50 TO STA. 66+00 RT.		479.00	0021	01
		STA. 63+62 TO STA. 65+20 RT.		54.00	0021	01
		STA. 65+24 TO STA. 65+74 RT.		50.00	0021	01
		STA. 66+16 TO STA. 66+66 LT.		50.00	0021	01
		STA. 66+16 TO STA. 74+25 LT.		809.00	0021	01
		STA. 66+25 TO STA. 74+25 RT.		820.00	0021	01
		STA. 66+72 TO STA. 68+30 LT.		54.00	0021	01
		STA. 74+16 TO STA. 74+25 RT.		10.00	0021	01
		SIGNING AND STRIPING PLAN 7				
		STA. 74+25 TO STA. 87+25 LT.		1,300.00	0021	01
		STA. 74+25 TO STA. 87+25 RT.		1,300.00	0021	01
		STA. 74+56 TO STA. 84+65 RT.		260.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 87+25 TO STA. 92+17 LT.		532.00	0021	01
		STA. 87+25 TO STA. 99+75 RT.		1,250.00	0021	01
		STA. 89+87 TO STA. 91+45 RT.		54.00	0021	01
		STA. 91+49 TO STA. 91+99 RT.		50.00	0021	01
		STA. 92+59 TO STA. 99+75 LT.		755.00	0021	01
		SIGNING AND STRIPING PLAN 9				
		STA. 100+00 TO STA. 105+70 LT.		150.00	0021	01
		STA. 110+81 TO STA. 111+49 RT.		24.00	0021	01
		STA. 99+75 TO STA. 111+50 LT.		1,175.00	0021	01
		STA. 99+75 TO STA. 111+50 RT.		1,175.00	0021	01
Item T20.2006 Total:				62,825.00		

S040 T20.2012 12 INCH EPOXY RESIN PAVEMENT LF
MARKINGS WHITE
MISC

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
 (North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)
 Estimate Name - Addendum to 2014-CT-044
 R.I. Contract No. - 2014-CT-044
 FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S040	T20.2012 Cont.	AS NEEDED		39.00	0021	01
		SIGNING AND STRIPING PLAN 1				
		STA. 10+31 TO STA. 10+58 RT.		27.00	0021	01
		SIGNING AND STRIPING PLAN 10				
		STA. 113+96 RT.		32.00	0021	01
		STA. 114+33 TO STA. 114+47 RT.		14.00	0021	01
		STA. 114+44 TO STA. 114+60 LT.		16.00	0021	01
		STA. 114+96 LT.		35.00	0021	01
		SIGNING AND STRIPING PLAN 11				
		STA. 126+54 TO STA. 126+73 LT.		19.00	0021	01
		SIGNING AND STRIPING PLAN 13				
		STA. 155+24 RT.		29.00	0021	01
		STA. 155+26 TO STA. 155+44		207.00	0021	01
		STA. 155+44 TO STA. 155+89 LT.		158.00	0021	01
		STA. 155+45 TO STA. 155+62 LT.		17.00	0021	01
		STA. 155+57 TO STA. 155+96 RT.		122.00	0021	01
		STA. 155+70 TO STA. 155+90 RT.		20.00	0021	01
		STA. 156+02 TO STA. 156+15		223.00	0021	01
		STA. 156+19 LT.		31.00	0021	01
		SIGNING AND STRIPING PLAN 14				
		BRONCO CROSSING EB APPROACH (12W)			0021	01
		SIGNING AND STRIPING PLAN 15				
		GLEN MEADOW LANE EB APPROACH (12W)		15.00	0021	01
		SIGNING AND STRIPING PLAN 18				

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S040	T20.2012 Cont.	STA. 209+83 TO STA. 210+05 RT.		22.00	0021	01
		STA. 210+22 TO STA. 212+72 RT.		337.00	0021	01
		SIGNING AND STRIPING PLAN 20				
		STA. 242+16 RT.		22.00	0021	01
		STA. 242+18 TO STA. 242+32		189.00	0021	01
		STA. 242+27 TO STA. 242+64 LT.		36.00	0021	01
		STA. 242+99 LT.		35.00	0021	01
		SIGNING AND STRIPING PLAN 22				
		STA. 256+63 TO STA. 256+94 LT.		30.00	0021	01
		STA. 256+70 RT.		23.00	0021	01
		STA. 257+16 TO STA. 257+36 RT.		20.00	0021	01
		STA. 257+27 TO STA. 257+44		245.00	0021	01
		STA. 257+46 LT.		23.00	0021	01
		SIGNING AND STRIPING PLAN 30				
		AS SHOWN ON PLAN		712.00	0021	01
		SIGNING AND STRIPING PLAN 37				
		AS SHOWN ON PLAN		308.00	0021	01
		SIGNING AND STRIPING PLAN 38				
		MEMORIAL BOULEVARD		270.00	0021	01
		SIGNING AND STRIPING PLAN 39				
		MEMORIAL BOULEVARD		35.00	0021	01
		SIGNING AND STRIPING PLAN 6				
		STA. 65+54 TO STA. 65+83 LT.		31.00	0021	01
		STA. 66+07 TO STA. 66+30 RT.		23.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 92+03 TO STA. 92+38 LT.		35.00	0021	01
Item T20.2012 Total:				3,400.00		

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S041	T20.2014	4 INCH EPOXY RESIN PAVEMENT	LF			
		MARKINGS YELLOW				
		MISC				
		AS NEEDED		60.00	0021	01
		SIGNING AND STRIPING PLAN 1				
		STA. 10+31 TO STA. 10+39		74.00	0021	01
		STA. 10+67 TO STA. 12+50		732.00	0021	01
		STA. 9+33 TO STA. 9+68		70.00	0021	01
		SIGNING AND STRIPING PLAN 10				
		CENTRAL STREET EB APPROACH (4DY)		100.00	0021	01
		CENTRAL STREET WB APPROACH (4DY)		100.00	0021	01
		STA. 111+50 TO STA. 113+97		988.00	0021	01
		STA. 114+95 TO STA. 120+89		2,376.00	0021	01
		STA. 120+89 TO STA. 123+25		948.00	0021	01
		SIGNING AND STRIPING PLAN 11				
		CLEAR RIVER DRIVE EB APPROACH (4DY)		100.00	0021	01
		STA. 123+25 TO STA. 126+39		1,128.00	0021	01
		STA. 127+16 TO STA. 130+66		1,416.00	0021	01
		STA. 130+66 TO STA. 135+75		2,036.00	0021	01
		SIGNING AND STRIPING PLAN 12				
		STA. 135+75 TO STA. 148+25		5,000.00	0021	01
		SIGNING AND STRIPING PLAN 13				
		STA. 148+25 TO STA. 155+24		2,557.00	0021	01
		STA. 155+58 TO STA. 155+61		55.00	0021	01
		STA. 155+70 TO STA. 155+72		32.00	0021	01
		STA. 156+19 TO STA. 160+25		1,363.00	0021	01
		SIGNING AND STRIPING PLAN 14				
		BRONCO CROSSING EB APPROACH			0021	01
		STA. 160+25 TO STA. 164+54		1,588.00	0021	01
		STA. 164+94 TO STA. 167+86		1,179.00	0021	01

Distribution of Quantities

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(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S041	T20.2014 Cont.	SIGNING AND STRIPING PLAN 23				
		STA. 267+00 TO STA. 279+00		4,800.00	0021	01
		SIGNING AND STRIPING PLAN 24				
		STA. 279+00 TO STA. 281+36		944.00	0021	01
		STA. 281+36 TO STA. 282+00		257.00	0021	01
		SIGNING AND STRIPING PLAN 26				
		MOUNT PLEASANT ROAD EB			0021	01
		APPROACH (4DY)				
		SIGNING AND STRIPING PLAN 3				
		STA. 24+50 TO STA. 36+50		4,800.00	0021	01
		SIGNING AND STRIPING PLAN 30				
		4Y		699.00	0021	01
		SIGNING AND STRIPING PLAN 31				
		4Y		138.00	0021	01
		SIGNING AND STRIPING PLAN 39				
		MEMORIAL BOULEVARD		20.00	0021	01
		SIGNING AND STRIPING PLAN 4				
		STA. 36+50 TO STA. 39+23		1,092.00	0021	01
		STA. 39+59 TO STA. 49+00		3,764.00	0021	01
		SIGNING AND STRIPING PLAN 5				
		STA. 49+00 TO STA. 61+50		5,000.00	0021	01
		SIGNING AND STRIPING PLAN 6				
		LAPHAM FARM ROAD EB APPROACH		100.00	0021	01
		LAPHAM FARM ROAD WB APPROACH		100.00	0021	01
		STA. 61+50 TO STA. 62+44		378.00	0021	01
		STA. 62+44 TO STA. 65+74		660.00	0021	01
		STA. 66+16 TO STA. 71+16		1,872.00	0021	01
		STA. 71+16 TO STA. 74+25		1,236.00	0021	01
		SIGNING AND STRIPING PLAN 7				
		STA. 74+25 TO STA. 86+54		4,916.00	0021	01
		STA. 86+54 TO STA. 87+25		288.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 87+25 TO STA. 91+99		1,765.00	0021	01

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
 (North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)
 Estimate Name - Addendum to 2014-CT-044
 R.I. Contract No. - 2014-CT-044
 FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S041	T20.2014 Cont.	STA. 92+33 TO STA. 92+42		93.00	0021	01
		STA. 92+97 TO STA. 96+39		1,378.00	0021	01
		STA. 96+39 TO STA. 99+75		1,344.00	0021	01
		SIGNING AND STRIPING PLAN 9				
		STA. 99+75 TO STA. 111+50		4,700.00	0021	01
Item T20.2014 Total:				105,300.00		
S042	T20.2016	6 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW MISCELLANEOUS AS NEEDED	LF	17.00	0021	01
		SIGNING AND STRIPING PLAN 38 MEMORIAL BOULEVARD		144.00	0021	01
		SIGNING AND STRIPING PLAN 39 MEMORIAL BOULAVARD		336.00	0021	01
Item T20.2016 Total:				497.00		
S043	T20.2020	EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0	EACH			
		SIGNING AND STRIPING PLAN 10 STA. 113+27 RT.		1.00	0021	01
		STA. 113+69 RT.		1.00	0021	01
		STA. 115+25 LT.		1.00	0021	01
		STA. 115+65 LT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 11 STA. 126+10 RT.		1.00	0021	01
		SIGNING AND STRIPING PLAN 13 STA. 154+55 RT.		1.00	0021	01
		STA. 154+95 RT.		1.00	0021	01
		STA. 156+48 LT.		2.00	0021	01
		STA. 156+88 LT.		1.00	0021	01
		STA. 157+68 LT.		1.00	0021	01

Distribution of Quantities

Project Name - Roadway Safety Improvements to Route 102 (Burrillville), Route 146
(North Smithfield), and Memorial at Francis (Providence) (164 HE Funds)

Estimate Name - Addendum to 2014-CT-044

R.I. Contract No. - 2014-CT-044

FAP Nos: HHZ-0164(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
051	T20.9907 Cont.	STA. 234+68 TO STA. 239+40		450.00	0021	01
		STA. 243+02 TO STA. 245+50		455.00	0021	01
		SIGNING AND STRIPING PLAN 21				
		STA. 245+50 TO STA. 246+80		120.00	0021	01
		SIGNING AND STRIPING PLAN 24				
		STA. 281+51 TO STA. 281+97		40.00	0021	01
		SIGNING AND STRIPING PLAN 6				
		STA. 67+00 TO STA. 71+11		295.00	0021	01
		SIGNING AND STRIPING PLAN 7				
		STA. 86+63 TO STA. 87+25		30.00	0021	01
		SIGNING AND STRIPING PLAN 8				
		STA. 87+25 TO STA. 91+14		385.00	0021	01
		STA. 93+05		255.00	0021	01
Item T20.9907 Total:				4,368.00		
052	925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	PDAY			
		BRONCOS HIGHWAY				
		2 SIGNS X 4 WEEKS		56.00	0021	01
		ROUTE 146				
		1 SIGN X 2 WEEKS		14.00	0021	01
Item 925.0112 Total:				70.00		
053	931.0110	CLEANING AND SWEEPING PAVEMENT	HSY			
		BRONCOS HIGHWAY				
		FROM ITEM CODE 935.0400		1,385.00	0021	01
Item 931.0110 Total:				1,385.00		
054	T17.9901	MODIFY OVERHEAD SIGN PANEL LEGEND	LS			
		SIGNING AND STRIPING PLAN 31				
		AS SHOWN ON PLANS		1.00	0021	01
Item T17.9901 Total:				1.00		

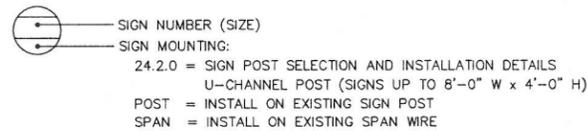
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI	PHZ-0164(004)	2014	5	87

JOB SPECIFIC LEGEND

NOTE: SEE MISCELLANEOUS DETAILS-1 THROUGH MISCELLANEOUS DETAILS-5 FOR DIMENSIONS/SPACING

- CENTER LINE RUMBLE STRIPE BUFFER
- CROSSWALK
- EDGE LINE RUMBLE STRIPE
- MEDIAN
- MICRO MILL & OVERLAY
- OPTICAL SPEED BARS
- REMOVE AND RESET SIGN
- SHIELD PAVEMENT MARKING
- WORD PAVEMENT MARKING
- YIELD LINE MARKING
- BROKEN WHITE LANE LINE MARKING
- INTERSECTION WHITE GUIDE LINE MARKING
- INTERSECTION YELLOW GUIDE LINE MARKING
- 14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE
- TRAFFIC DETECTOR - LOOP STD. 19.6.0

TYPICAL SIGN DESIGNATION SYMBOL



TRAFFIC SIGNAL PLANS SYMBOLS

- UTILITY POLE
- EXISTING CONTROLLER CABINET
- PROPOSED CONTROLLER CABINET
- EXISTING HANDHOLE
- PROPOSED HANDHOLE
- EXISTING TRAFFIC SIGNAL HEAD
- PROPOSED TRAFFIC SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD
- EXISTING PEDESTRIAN PUSH BUTTON
- PROPOSED PEDESTRIAN PUSH BUTTON
- EXISTING SIGN
- PROPOSED SIGN
- EXISTING CONDUIT
- PROPOSED CONDUIT
- EXISTING TRAFFIC SIGNAL PEDESTAL OR SPAN POLE
- PROPOSED TRAFFIC SIGNAL PEDESTRIAN POLE
- EXISTING MAST ARM POLE
- EXISTING LOOP DETECTOR
- PROPOSED LOOP DETECTOR

JOB SPECIFIC NOTES:

- CONSTRUCTION INDICATED ON THESE PLANS SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF AND MODIFICATIONS TO THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE SPECIFICATIONS ACCOMPANYING THESE PLANS. IN CASE OF CONFLICT, THE SPECIAL PROVISIONS OF THE SPECIFICATIONS ACCOMPANYING THESE PLANS SHALL GOVERN.
- ALL ITEMS NOT REFERENCED FOR MODIFICATION WILL BE "EXISTING TO REMAIN" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R).
- ANY EXISTING PROPERTY THAT WAS NOT PROPOSED TO BE MODIFIED THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE RIDOT.
- THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.06 OF THE LATEST REVISION OF AND MODIFICATIONS TO THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

CONTRACTOR SHALL ADHERE TO THE FOLLOWING CLEAR ZONE REQUIREMENTS:

POSTED SPEED	CLEAR ZONE DISTANCE FROM EDGE OF TRAVEL LANE
35 MPH OR LESS	12 FEET
40-45 MPH	16 FEET
50 MPH OR LESS	20 FEET
55 MPH OR LESS	30 FEET

- DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE.
- ANY BRICK, PAVER, OR STAMPED CONCRETE/ASPHALT SIDEWALK OR ROADWAY DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR THE ASSOCIATED WORK ITEM CAUSING THE DAMAGE. ANY BRICK, PAVER, OR STAMPED CONCRETE/ASPHALT SIDEWALKS OR ROADWAYS DAMAGED, OR TO BE RESTORED SHALL MATCH THE SAME MATERIALS THAT EXIST, INCLUDING CONCRETE BASE, UNLESS OTHERWISE INDICATED ON THE PLANS.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN MICRO MILLING UP TO EXISTING WHEELCHAIR RAMPS. ANY EXISTING WHEELCHAIR RAMPS DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED WITH NEW ADA COMPLIANT WHEELCHAIR RAMPS AT NO ADDITIONAL COSTS.
- THE COST OF ANY CURB CUTTING REQUIRED TO INSTALL NEW CURB WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE NEW CURB.
- INTERSECTING ROADS SHALL BE REPAIRED TO THE LIMITS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE PAVEMENT MAKE-UP SHALL BE AS SHOWN ON THE PLANS AND TYPICAL DETAILS.
- NO BLASTING SHALL BE ALLOWED ON THIS PROJECT.
- THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
- UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
- CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE RIDOT.
- THE EXISTING GEOMETRY AND TRAFFIC SIGNAL SYSTEM SHOWN ON THE PLANS ARE GRAPHICAL ONLY AND ARE APPROXIMATE BASED ON DIGITIZED RECORD RIDOT PLANS OR RIGS.
- WHERE SHOWN ON THE PLANS, THE LOCATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDING HANDHOLES AND CONDUIT RUNS ARE ESTIMATED AND APPROXIMATE BASED ON RECORD RIDOT PLANS AND INFORMATION OBTAINED DURING FIELD REVIEWS CONDUCTED BY VHB.
- VMS BOARDS TO BE LOCATED AT THE PROJECT LIMITS OF ROUTE 102, ONE IN THE NORTHBOUND DIRECTION AND ONE IN THE SOUTHBOUND DIRECTION.

VMS BOARD TO DISPLAY:

NEW TRAF PATTERN
MM/DD/YY

FOR 2 WEEKS PRIOR TO CONSTRUCTION

NEW TRAFFIC PATTERN

FOR 2 WEEKS AFTER CONSTRUCTION

- VMS BOARD TO BE LOCATED AT THE PROJECT LIMITS OF ROUTE 146 IN THE NORTHBOUND DIRECTION.

VMS BOARD TO DISPLAY:

NEW TRAF PATTERN
MM/DD/YY

FOR 2 WEEKS PRIOR TO CONSTRUCTION

JOB SPECIFIC NOTES - SIGNS:

- ALL NEW DIRECTIONAL, REGULATORY, WARNING, GUIDE SIGNS AND PARKING SIGNS SHALL HAVE SIGN SUPPORTS. UNLESS OTHERWISE INDICATED, SIGN MOUNTINGS SHALL BE R.I. STD. 24.2.0 OR 24.6.0 AS APPROPRIATE.
- ALL SIGNS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 7' OVER THE SIDEWALK.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
- ALL SIGN RADII AND BORDERS SHALL BE AS SPECIFIED IN THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

JOB SPECIFIC NOTES - PAVEMENT MARKINGS:

- ALL PERMANENT PAVEMENT MARKINGS FOR THIS PROJECT SHALL BE EPOXY RESIN. PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE NO SOONER THAN 2 WEEKS BUT NO LONGER THAN 4 WEEKS FROM COMPLETION OF PAVING OPERATIONS.
- THE LOCATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS, EXISTING MARKINGS SHALL BE REMOVED BY METHOD APPROVED BY THE RIDOT.
- LIMITS OF PROPOSED PAVEMENT MARKINGS SHALL MEET EXISTING STRIPING, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL VERIFY AND RECORD PAINT MARKING LOCATIONS PRIOR TO ANY PAVEMENT REMOVAL. MARKINGS SHALL BE REPLACED IN ORIGINAL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

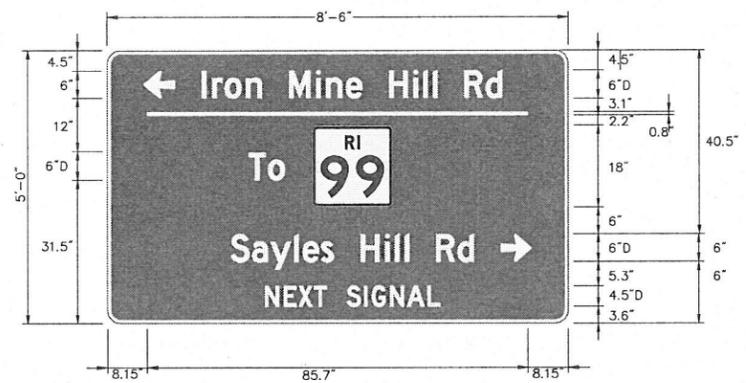
JOB SPECIFIC NOTES - TRAFFIC SIGNALS:

- SEE JOB SPECIFIC SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.
- ALL SPLICES SHALL BE MADE INSIDE THE SIGNAL HEADS AT THE TERMINAL BLOCKS.
- THE PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED A MAXIMUM OF 42" ABOVE THE FINISHED GRADE OF THE SIDEWALK IN ACCORDANCE WITH ADA REQUIREMENTS. THE LOCATION AND ORIENTATION OF PEDESTRIAN PUSHBUTTONS SHALL BE COORDINATED AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. WHERE EXISTING PEDESTRIAN PUSHBUTTONS ARE BEING REPLACED, CONTRACTOR SHALL INSTALL NEW BUTTONS AT LOCATIONS INDICATED ON THE PLANS WITH SIGNS POINTING TO THE CORRECT LOCATION TO CROSS. IF NEW PUSHBUTTONS NEED TO BE INSTALLED AT DIFFERENT LOCATIONS FROM EXISTING, CONTRACTOR SHALL FILL HOLE FROM EXISTING BUTTON BY METHOD APPROVED BY THE ENGINEER AND MAKE NECESSARY WIRING MODIFICATIONS TO ENSURE PROPER OPERATION. PAYMENT FOR FILLING OF THE HOLE AND MODIFICATIONS SHALL BE CONSIDERED INCIDENTAL IN THE BID PRICE OF THE PEDESTRIAN PUSHBUTTON.
- THE EXTERIOR OF TRAFFIC SIGNAL EQUIPMENT SHALL BE PAINTED IN ACCORDANCE WITH THE SPECIAL PROVISION FOR ITEM CODE T14.9901. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE PAINTED AT THE MANUFACTURER'S FACTORY. PAINTING OF THE EQUIPMENT OUTSIDE OF THE FACTORY WILL NOT BE ALLOWED.
- CONTRACTOR SHALL HAND DIG AT ALL GAS PIPELINE CROSSINGS.
- AWG SINGLE CONDUCTOR CABLE 600V WIRE SHALL BE PLACED IN ALL NEW PVC CONDUITS AND SHALL BE BONDED TO GROUND RODS IN ACCORDANCE WITH SECTION T.03 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- A ROTARY WHEEL OR OTHER MECHANICAL TRENCHING METHOD IN THE VICINITY OF GAS PIPELINES WILL NOT BE ALLOWED.
- A 1 FOOT VERTICAL CLEARANCE IS REQUIRED BETWEEN NEW CONDUIT AND NATIONAL GRID GAS FACILITIES.
- ALL NEW MANHOLES, HANDHOLES, PULL BOXES, AND FOUNDATIONS SHALL MEET A MINIMUM 2 FOOT LATERAL CLEARANCE AND NOT BE PLACED OVER NATIONAL GRID FACILITIES.
- WHERE EXISTING LOOP DETECTORS ARE BEING REPLACED CONTRACTOR SHALL SPLICE EXISTING LOOP DETECTOR IN ADJACENT HANDHOLE (USING EXISTING FLEXIBLE DUCT) AND UTILIZE EXISTING CABLING TO CONTROLLER CABINET. IF EXISTING FLEXIBLE DUCT CANNOT BE LOCATED CONTRACTOR SHALL BREAK INTO EXISTING HANDHOLE IN ACCORDANCE WITH SPECIAL PROVISION FOR ITEM CODE T05.9901 AT NO ADDITIONAL COST. THE COST TO BREAK INTO THE HANDHOLE AND REQUIRED RESTORATION SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE OF THE LOOP DETECTOR.
- THE PROPOSED PEDESTRIAN PUSHBUTTONS SHALL BE EQUIPPED WITH R10-3e SIGNS UNLESS OTHERWISE NOTED.

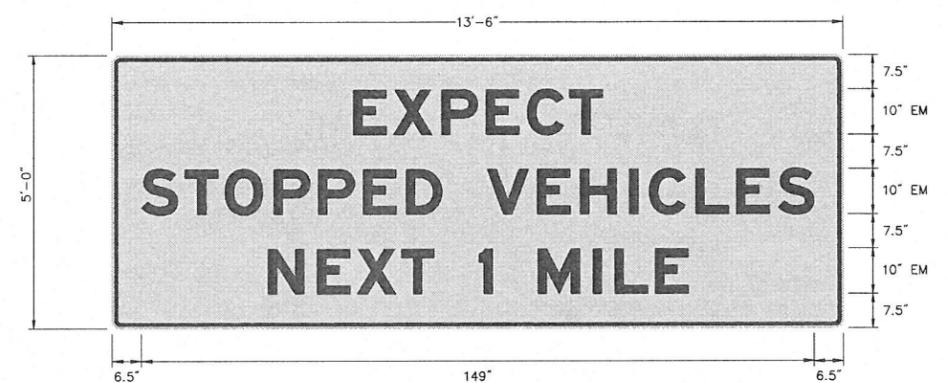


REVISIONS			NO.	DATE	BY	RHODE ISLAND DEPARTMENT OF TRANSPORTATION ROADWAY SAFETY IMPROVEMENTS
NO.	DATE	BY				
1	5/6/14	VHB				VARIOUS LOCATIONS, RHODE ISLAND
						JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES

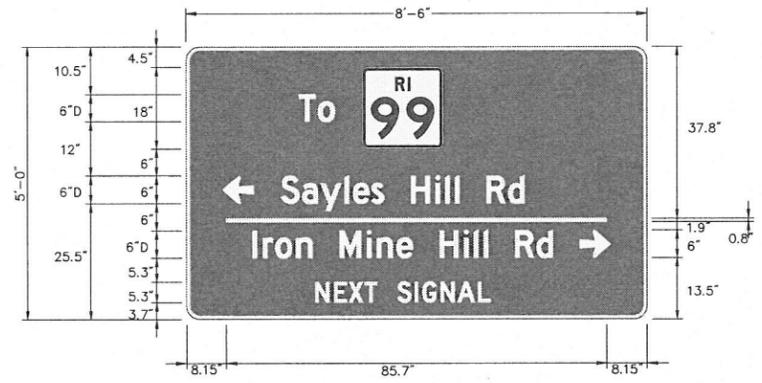
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI	HHZ-0164(004)	2014	13	87



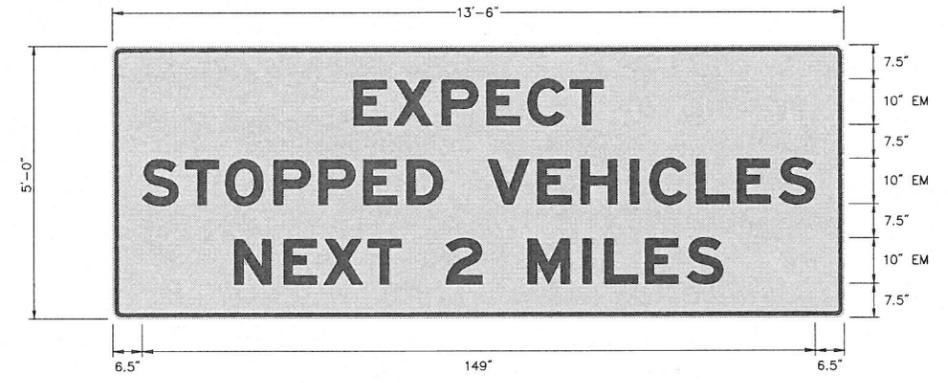
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NOT TO SCALE



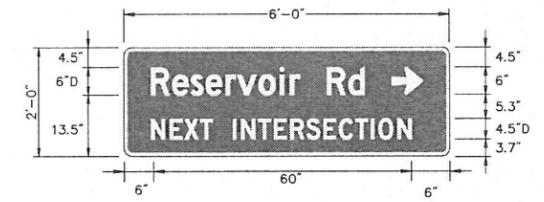
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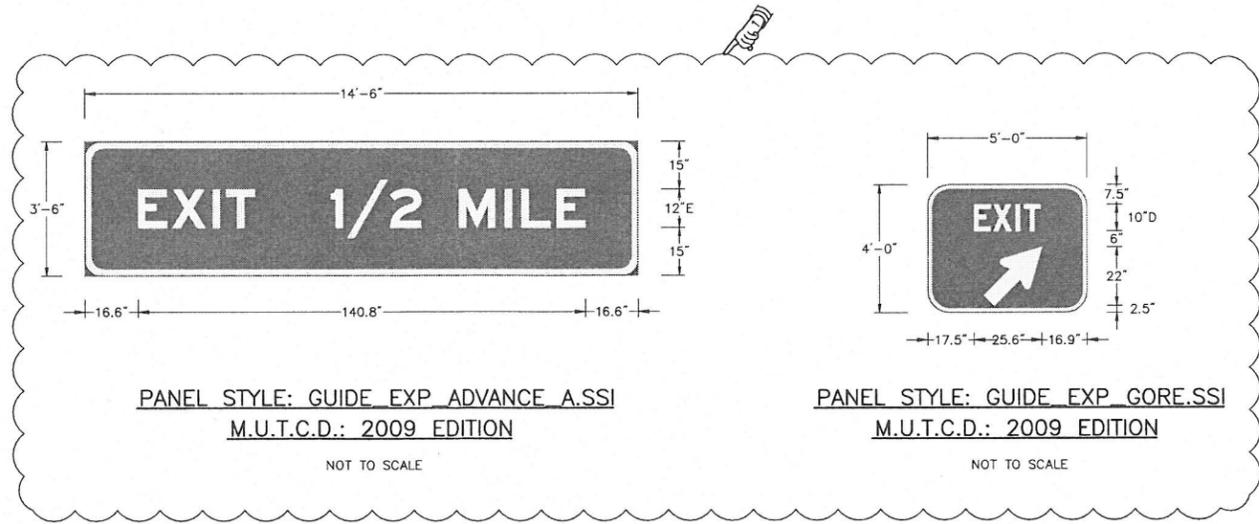
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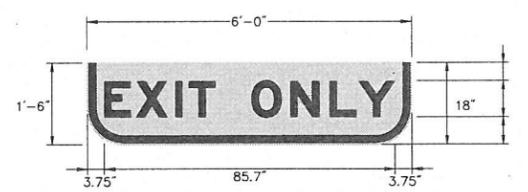


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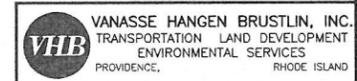
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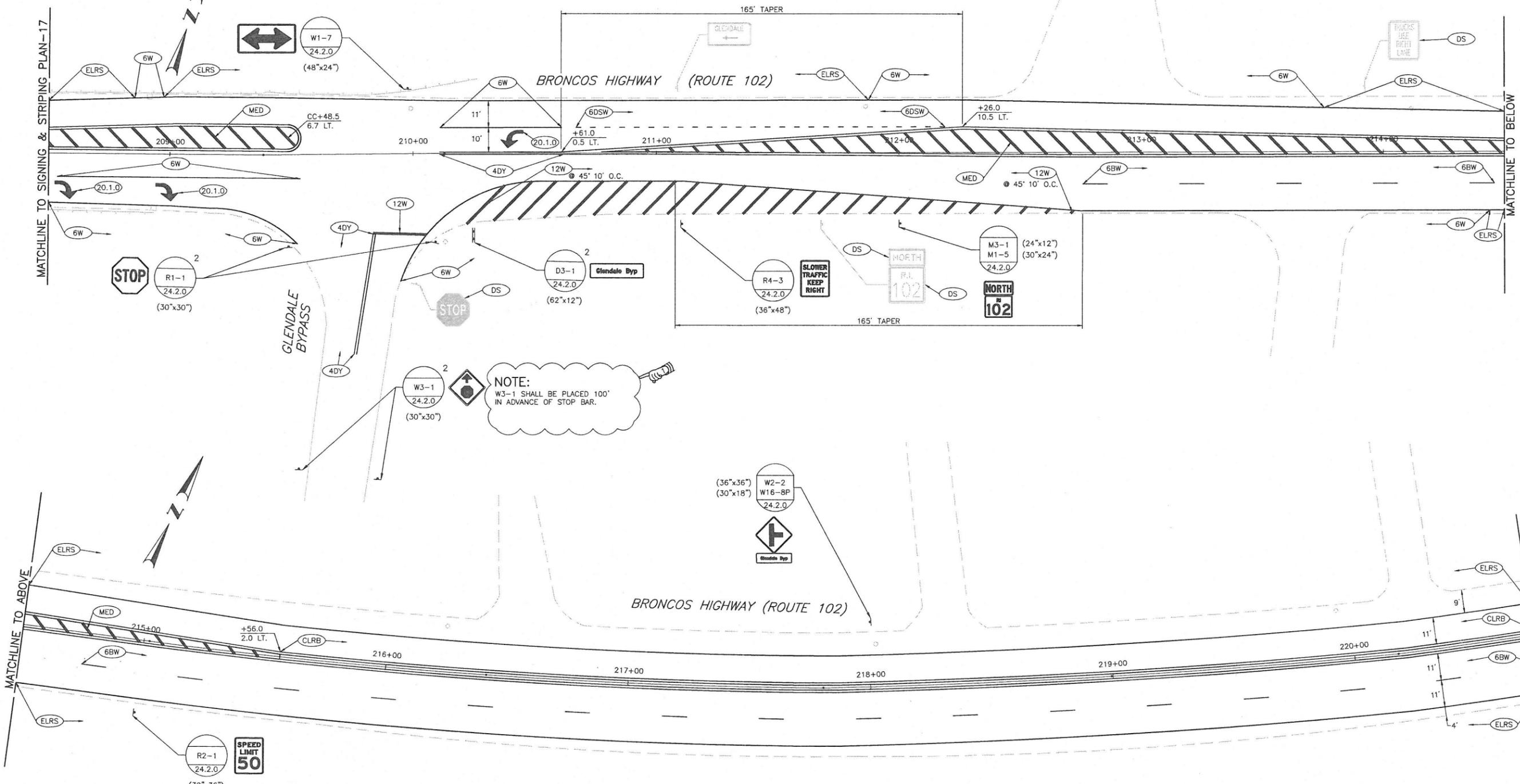


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M.U.T.C.D.: 2009 EDITION
NOT TO SCALE

ADDENDUM NO. 1



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
1	5/6/14	VHB	ROADWAY SAFETY IMPROVEMENTS	
			VARIOUS LOCATIONS, RHODE ISLAND	
			SIGN PANEL DETAILS-2	
			CHECKED BY _____	DATE _____ SCALE _____

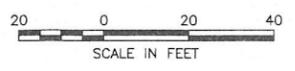


NOTE:
W3-1 SHALL BE PLACED 100'
IN ADVANCE OF STOP BAR.

NOTES:

- PAVEMENT MARKINGS ALONG PROPOSED RUMBLE STRIPES ARE INCLUDED IN MISCELLANEOUS DETAILS-1 AND ARE NOT CALLED OUT SEPARATELY ON THIS PLAN.
- ONLY PAVEMENT MARKINGS NOT INSTALLED ON PROPOSED RUMBLE STRIPES ARE CALLED OUT ON THIS PLAN.
- CONTRACTOR SHALL VERIFY AND RECORD PAVEMENT MARKING LOCATIONS ON ALL SIDE STREETS PRIOR TO ANY PAVEMENT REMOVAL. CONTRACTOR SHALL REPLACE ALL SIDE STREET PAVEMENT MARKINGS IN KIND, AS APPLICABLE.
- CONTRACTOR SHALL INSTALL STREET NAME SIGNS (D3-1) ON TWO (2) POSTS IN ACCORDANCE WITH RIDOT STD. 24.2.0 "SIGNS UP TO 28 SQ. FT." DETAIL.
- THE BASELINES SHOWN ARE GRAPHIC ONLY AND INTENDED TO BE USED FOR LOCATING AND ESTIMATING QUANTITIES.

ADDENDUM NO. 1



VHB VANASSE HANGEN BRUSTLIN, INC.
TRANSPORTATION LAND DEVELOPMENT
ENVIRONMENTAL SERVICES
PROVIDENCE, RHODE ISLAND

REVISIONS		
NO.	DATE	BY
1	5/6/14	VHB

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**ROADWAY SAFETY IMPROVEMENTS
TO
BRONCOS HIGHWAY (ROUTE 102)
BURRILLVILLE, RHODE ISLAND**

SIGNING & STRIPING PLAN-18
BRONCOS HIGHWAY (ROUTE 102) CORRIDOR
BURRILLVILLE, RHODE ISLAND

CHECKED BY _____ DATE _____ SCALE _____

