

August 6, 2013

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7483403

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2013-CR-086

FEDERAL-AID PROJECT NO. FAP Nos: STP-RESF(260)

**2013 Paver Placed Elastomeric Surface Treatment**

Statewide

CITY/TOWN OF Coventry, East Providence, Narragansett, North Kingstown, West Greenwich

COUNTY OF KENT, PROVIDENCE, WASHINGTON

NOTICE TO PROSPECTIVE BIDDERS

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

**A. Other Item Changes**

1. 401.9902 - CLASS 12.5 HMA  
Quantity Updated To "730.00".
2. 932.0100 - CUTTING AND MATCHING ASPHALT  
Quantity Updated To "310.00".
3. 935.0400 - REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING  
Quantity Updated To "78900.00".
4. T13.1000 - TRAFFIC DETECTORS-LOOP, STANDARD 19.6.0  
Quantity Updated To "1300.00".
5. T20.0004 - 4 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT  
Quantity Updated To "66800.00".
6. T20.0104 - 4 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT  
Quantity Updated To "58200.00".
7. T20.2006 - 6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE  
Quantity Updated To "50900.00".

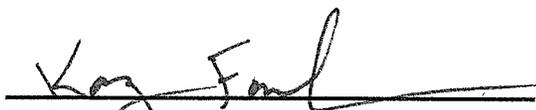
8. T20.2012 - 12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE  
Quantity Updated To "900.00".
9. T20.2014 - 4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW  
Quantity Updated To "30800.00".
10. T20.2020 - EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED  
STANDARD 20.1.0  
Quantity Updated To "103.00".
11. 413.9901 - RIDEABILITY  
Quantity Updated To "45000.00".

**B. Contract Documents**

1. Contract Specific / Job Specific
  - a. Replace page CS-3 with the revised page CS-3 (R-1) attached to this addendum. Paragraph 3, Special Notice to the Contractor, section i. and j. were revised. Paragraph 4, Required Sequence of Construction, was revised to include an additional location.
  - b. Replace page CS-7 with the revised page CS-7 (R-1) attached to this addendum. The Table was revised to include an additional location.
  - c. Replace page JS-1 with the revised page JS-1 (R-1) attached to this addendum. A Phase 2 completion has been added.

**C. Contract Dates**

1. Phase 2 Completion Date  
Phase 2 completion date, 11/15/2013, added for road ID# SS2109(13)TO.

  
RI Department of Transportation  
Chief Engineer

## Table of Contents - Distribution of Quantities

Project Name - 2013 Paver Placed Elastomeric Surface Treatment  
 Estimate Name - 13086 Addendum ppest  
 R.I. Contract No. - 2013-CR-086  
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<u>ItemCode</u>	<u>Description</u>	<u>Page</u>
401.9901	CLASS 4.75 HMA SHIM	1
401.9902	CLASS 12.5 HMA	1
403.0300	ASPHALT EMULSION TACK COAT	1
411.0100	PAVER PLACED ELASTOMERIC SURFACE TREATMENT	1
412.0100	RUBBERIZED ASPHALT CHIP SEALING	1
413.9901	RIDEABILITY	1
415.9901	INTELLIGENT COMPACTION	1
704.0200	RECONSTRUCT MANHOLE/CORBEL CONES	2
705.1300	RECONSTRUCT CB TYPE 'D' TO CATCH BASIN WITH GUTTER INLET	2
707.0900	ADJUST MANHOLES TO GRADE	2
707.1100	ADJUST CATCH BASINS	2
713.8269	ADJUST WATER GATE BOXES TO GRADE	2
713.8300	ADJUST GAS GATE BOXES TO GRADE	2
713.9901	REPLACE WATER GATE BOX COVER	3
713.9902	REPLACE GAS GATE COVER	3
914.5010	FLAGPERSONS	3
914.5020	FLAGPERSONS - OVERTIME	3
929.0110	FIELD OFFICE	3
932.0100	CUTTING AND MATCHING ASPHALT	3
935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	3
943.0200	TRAINEE MAN-HOURS	4
T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD 19.6.0	4
T20.0004	4 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	4
T20.0104	4 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	4
T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	4
T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	5
T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	5
T20.2020	EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0	5
T20.2022	EPOXY RESIN PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0	5
T20.9901	12 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	5

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
001	401.9901	CLASS 4.75 HMA SHIM	TON			
		PROJECTWIDE				
		VARIOUS ROADS		200.00	0006	01
				Item 401.9901 Total:		200.00
002	401.9902	CLASS 12.5 HMA	TON			
		BOSTON NECK RD / RI 3				
		SS2109(13)TO		330.00	0006	01
		SS3060(13)TO		400.00	0006	01
				Item 401.9902 Total:		730.00
003	403.0300	ASPHALT EMULSION TACK COAT	SY			
		PROJECTWIDE				
		VARIOUS ROADS		80,611.00	0006	01
				Item 403.0300 Total:		80,611.00
004	411.0100	PAVER PLACED ELASTOMERIC SURFACE TREATMENT	SY			
		PROJECTWIDE				
		RI 3, RI 114, AND RT 4 EXIT		77,500.00	0006	01
		5A				
				Item 411.0100 Total:		77,500.00
005	412.0100	RUBBERIZED ASPHALT CHIP SEALING	SY			
		NOOSENECK HILL ROAD (RT 3)				
		SS2108(13)TO		57,500.00	0006	01
				Item 412.0100 Total:		57,500.00
006	413.9901	RIDEABILITY	EACH			
		PROJECTWIDE				
		VARIOUS ROADS		45,000.00	0006	01
				Item 413.9901 Total:		45,000.00

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<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Seq. Code No.</u>
007	415.9901	INTELLIGENT COMPACTION	EACH		

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
007	415.9901 Cont.	PROJECTWIDE				
		VARIOUS ROADS		1.00	0006	01
				Item 415.9901 Total:		1.00
008	704.0200	RECONSTRUCT MANHOLE/CORBEL CONES	EACH			
		EAST PROVIDENCE				
		RI 114		5.00	0006	01
				Item 704.0200 Total:		5.00
009	705.1300	RECONSTRUCT CB TYPE 'D' TO CATCH	EACH			
		BASIN WITH GUTTER INLET				
		PROJECTWIDE				
		VARIOUS ROADS		10.00	0006	01
				Item 705.1300 Total:		10.00
010	707.0900	ADJUST MANHOLES TO GRADE	EACH			
		EAST PROVIDENCE				
		RI 114		10.00	0006	01
				Item 707.0900 Total:		10.00
011	707.1100	ADJUST CATCH BASINS	EACH			
		VARIOUS ROADS				
		RI 3 AND RI 114		32.00	0006	01
				Item 707.1100 Total:		32.00
012	713.8269	ADJUST WATER GATE BOXES TO GRADE	EACH			
		VARIOUS ROADS				
		RI 3 AND RI 114		15.00	0006	01
				Item 713.8269 Total:		15.00
013	713.8300	ADJUST GAS GATE BOXES TO GRADE	EACH			
		VARIOUS ROADS				
		RI 3 AND RI 114		3.00	0006	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
013	713.8300	Cont.		Item 713.8300 Total:		3.00
014	713.9901	REPLACE WATER GATE BOX COVER	EACH			
		VARIOUS ROADS				
		RI 3 AND RI 114		5.00	0006	01
		Item 713.9901 Total:		5.00		
015	713.9902	REPLACE GAS GATE COVER	EACH			
		VARIOUS ROADS				
		RI 3 AND RI 114		5.00	0006	01
		Item 713.9902 Total:		5.00		
016	914.5010	FLAGPERSONS	MHRS			
		PROJECTWIDE				
		ALL ROADS		800.00	0006	01
		Item 914.5010 Total:		800.00		
017	914.5020	FLAGPERSONS - OVERTIME	MHRS			
		PROJECTWIDE				
		ALL ROADS		320.00	0006	01
		Item 914.5020 Total:		320.00		
018	929.0110	FIELD OFFICE	PMO			
		PROJECTWIDE				
		ALL ROADS		18.00	0006	01
		Item 929.0110 Total:		18.00		
019	932.0100	CUTTING AND MATCHING ASPHALT	LF			
		PROJECTWIDE				
		ALL ROADS		310.00	0006	01
		Item 932.0100 Total:		310.00		
020	935.0400	REMOVING BITUMINOUS PAVEMENT BY	SY			

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
020	935.0400	Cont. MICRO MILLING				
		PROJECTWIDE				
		VARIOUS ROADS		78,900.00	0006	01
				Item 935.0400 Total:		78,900.00
021	943.0200	TRAINEE MAN-HOURS	MHRS			
		PROJECTWIDE				
		ALL ROADS		500.00	0006	01
				Item 943.0200 Total:		500.00
022	T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD	LF			
		19.6.0				
		PROJECTWIDE				
		VARIOUS ROADS		1,300.00	0006	01
				Item T13.1000 Total:		1,300.00
023	T20.0004	4 INCH WHITE FAST - DRYING	LF			
		WATERBORNE PAVEMENT MARKING PAINT				
		PROJECTWIDE				
		ALL ROADS		66,800.00	0006	01
				Item T20.0004 Total:		66,800.00
024	T20.0104	4 INCH YELLOW FAST - DRYING	LF			
		WATERBORNE PAVEMENT MARKING PAINT				
		PROJECTWIDE				
		ALL ROADS		58,200.00	0006	01
				Item T20.0104 Total:		58,200.00
025	T20.2006	6 INCH EPOXY RESIN PAVEMENT	LF			
		MARKINGS WHITE				
		PROJECTWIDE				
		ALL ROADS		50,900.00	0006	01
				Item T20.2006 Total:		50,900.00

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
026	T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE PROJECTWIDE VARIOUS ROADS	LF			
				900.00	0006	01
Item T20.2012 Total:				900.00		
027	T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW PROJECTWIDE ALL ROADS	LF			
				30,800.00	0006	01
Item T20.2014 Total:				30,800.00		
028	T20.2020	EPOXY RESIN PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0 COVENTRY / WEST GREENWICH RI 3	EACH			
				103.00	0006	01
Item T20.2020 Total:				103.00		
029	T20.2022	EPOXY RESIN PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0 PROJECTWIDE VARIOUS ROADS	EACH			
				100.00	0006	01
Item T20.2022 Total:				100.00		
030	T20.9901	12 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW PROJECTWIDE VARIOUS ROADS	LF			
				500.00	0006	01
Item T20.9901 Total:				500.00		

i. The contractor must utilize Intelligent Compaction (IC) during the placement of the PPEST and Class 12.5 on roads listed in Table 1 in accordance with special provision 413. There will be a 10% decrease of the unit bid price for any PPEST without the use of intelligent compaction.

j. Rideability is required only on Nooseneck Hill Rd., Pawtucket Ave and Rt 4 South Ramp 5A.

k. Subcontracting. For work performed by a subcontractor, the subcontractor shall be subject to the reporting requirements as set forth for the prime contractor under the provisions of Section 12 of the RI DOA Procurement Regulations. The Contractor shall accept as full payment therefore, an amount equal to the actual cost to the Contractor of such work performed by the subcontractor as determined by the Engineer, plus 10 percent of said cost.

#### 4. REQUIRED SEQUENCE OF CONSTRUCTION

Table 1 lists the roadways or roadway segments. Boston Neck Road must be paved with Class 12.5 before October 31<sup>st</sup> 2013. The Contractor shall micro mill 4" deep the northbound lanes including the left turning lane on RI 3, [SS2109(13)TO], starting 280' South of the Reservoir Rd. to 20' north of the rutted pavement at the intersection. A 5' long transition area shall be constructed at each end of the 300' cold planed section. The 5' transition shall be removed prior to final paving. The RI 3 micro milling and final paving shall be completed by November 15, 2013. The Contractor shall place a "SLOW BUMP" temporary sign South of the cold planed section. The cost of the temporary sign shall be included the bid price for the Class 12.5 hot mix asphalt. There is no required sequence for paver placed elastomeric surface treating the roadways. Once the Contractor has begun paver placed elastomeric surface treatment of any roadway or roadway segment in accordance with the approved schedule, he shall complete paver placed elastomeric surface treatment of that roadway or roadway segment (all lanes, as required in each direction), prior to beginning paver placed elastomeric surface treatment (PPEST) of any other roadway or roadway segment.

The contractor shall transversely saw cut the pavement at the longitudinal limits of all road sections as directed by the Engineer.

Prior to placing the PPEST on all roads listed in Table 1 the Contractor shall micro mill the entire road to the depth specified in Table 1. The Contractor shall legally dispose of the milled material offsite. Traffic control for the micro milling operation shall be included in the bid price for item 935.0400. The Contractor shall place temporary striping immediately following the micro milling operation. Upon completion of the PPEST paving operation, the Contractor shall replace any damaged traffic detector loops in accordance with RI Standard 19.6.0.

Following the micro milling, should there be any depressed areas of pavement found to be below the remaining road's profile such as base failures, fatigued areas, potholes etc. shall be brought to profile by locally shimming the area with either the Class 4.75 HMA in areas where shimming depths are  $\leq 2$ " or Class 12.5 HMA in areas  $> 2$ " deep, as directed by the Engineer

A 20% rubberized asphalt chip seal (RACS) shall be applied to the milled surfaces of Nooseneck Hill Rd. [SS2108(13)TO], prior to the application of the PPEST. All base/fatigued areas and potholes shall be shimmed to road profile prior to the application of the RACS. Post sweepings at 2 weeks, October and April after the initial chip seal sweeping are not required. The RACS shall be overlaid with the PPEST within 48 hours. The Contractor shall place temporary waterborne striping immediately following the rubberized chip sealing application.

The Contractor shall pave Boston Neck Road [SS3060(13)TO] with 2" of Class 12.5 to match existing road grades. Prior to paving the contractor shall mill any existing driveway ramps and road transitions to allow placement of the 2" thick overlay.

Emulsion tack coat shall be applied between pavement layers during shimming.

**TABLE 1  
PAVER PLACED ELASTOMERIC SURFACE TREATMENT  
STATEWIDE**

TOWN NAME	PROJECT ID	ROAD	ROUTE	LIMITS	LENGTH (MI)	WIDTH (FT)	QUANTITY (SY)	COLD PLANE DEPTH (IN)	SAMI
COVENTRY/W. GREENWICH	SS2108(13)TO	NOOSENECK HILL RD.	RT 3	POLE 16-151 TO HARKNEY HILL RD	1.2	66	46464	1.5	X
E. PROVIDENCE	SS4014(13)TO	PAWTUCKET AVE	RT 114	RT 152 TO RT 1A	0.6	47	16544	1	
NARRAGANSETT	SS3062(13)TO*	BOSTON NECK RD	RT 1A	30 FT NORTH OF POLE 94 TO POLE 103	.16	35	400 TONS OF CLASS 12.5	0	
N KINGSTOWN	SS3845(13)TO	RT 4 SOUTH RAMP 5A	RT 4	RT 4 SOUTH TO RT 102	.23	25	3373	1	
COVENTRY	SS2109(13)TO**	NOOSENECK HILL RD. NORTH BOUND LANES INCLUDING TURN LANE	RT 3	280' SOUTH OF RESERVOIR RD TO 20' PAST THE END OF RUTTED PAVEMENT AT RESERVOIR RD INTERSECTION	.06	40	330 TONS OF CLASS 12.5	0	

**NOTE 1: Place paver placed elastomeric surface treatment curb to curb where curbing is present or edge of road to edge of road when no curbing is present.**

**\* Boston Neck Road must be paved with 2" of Class 12.5 by October 31, 2013**

**\*\* Nooseneck Hill Road must be paved with 4" of Class 12.5 by November 15, 2013.  
The 300' length shall include two 5' transitions (one at each end of the longitudinal limits).  
Transitions must be removed prior to final paving.**

**CODE 12.108.1000**

**PROSECUTION AND PROGRESS**

In accordance with **Section 12.108.08, Failure to Complete on Time, Para. A., Phased and Interim Completion** the following defines the Phase and Interim Completion Dates and Associated Liquidated Damages.

Phase 1 Completion: October 31, 2013.

All work shall be completed for the Phase 1 Completion. Completion will be the point at which all work within the phase is complete such that it can be safely and effectively used by the public and when the following criteria are realized: **work is completed on Boston Neck Road.**

Liquidated damages: \$450.00 per calendar day.

Phase 2 Completion: November 15, 2013.

All work shall be completed for the Phase 2 Completion. Completion will be the point at which all work within the phase is complete such that it can be safely and effectively used by the public and when the following criteria are realized: **work is completed on RI 3, Road ID SS2109(13)TO.**

Liquidated damages: \$450.00 per calendar day.

Substantial Completion: July 31, 2014.

All Contract work shall be completed, as defined by **Section 12.101.71.**

Liquidated damages: \$1,200.00 per calendar day.

**Addendum No. 1**