

February 11, 2014

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7548416

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2012-CT-104

FEDERAL-AID PROJECT NO. FAP Nos: STPG-HSIP(003)

High Hazard - Intersections (South) Short Term Improvements

- Station 171+25 as shown on RI S.H.L. Plat No. 538 to Sta. 39+04 as shown on RI S.H.L. Plat No. 2007 on Route 108 (Kingstown Road) and Sta. 198+13 to Sta. 202+84 on Main Street/Old Tower Hill Road for a distance of 0.84 miles in the Town of South Kingstown.
- Station 124+78 to Sta. 135+00 on Route 2 (South County Trail) and Sta. 7+46 to Sta. 16+51 on Route 402 (Frenchtown Road) for a distance of 0.36 miles in the Town of East Greenwich.
- Station 36+43 to Sta. 38+22 on Route 2 (Bald Hill Road) and Sta. 109+28 to Sta. 118+43 on West Natick Road for a distance of 0.21 miles in the City of Warwick.
- Station 442+26 to Sta. 443+94 on Route 33/Route 115 (Providence Street) and Sta. 10+00 to Sta. 14+00 on New London Avenue for a distance of 0.11 miles in the Town of West Warwick and City of Warwick.
- Station 211+82 to Sta. 217+17 on Route 117/Route 33 (Washington Street) and Sta. 300+00 to Sta. 305+00 on Route 117 (West Warwick Avenue) for a distance of 0.20 miles in the Towns of Coventry and West Warwick.

CITY/TOWN OF Coventry, South Kingstown, Warwick, West Warwick, East Greenwich

COUNTY OF KENT, 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. Contract Documents

1. General Provisions - Contract Specific - Index Page
Delete Page CS-i in its entirety and replace with the attached revised page CS-i.
2. General Provisions - Contract Specific - Sequence of Construction
Delete Page CS-4 in its entirety and replace with the attached revised Page CS-4.
Revised wording of Para. 4 - Sequence of Construction and removed Phase I Completion Date.
3. General Provisions - Contract Specific - "Non-Mandatory" Pre-Bid Conference Sign-In Sheet
Delete Page CS-9 in its entirety and replace with the attached revised Page CS-9.

A new Paragraph No. 19 - "Non-Mandatory" Pre-Bid Conference Sign-In Sheet has been added to the General Provisions - Contract Specific, and a new Appendix D has been added in support of this Paragraph.

4. General Provisions - Contract Specific - Appendix A
Delete Appendix A in its entirety and replace with the attached revised Level 3 Transportation Management Plan.

The TMP has been revised and now includes required signatures.
5. General Provisions - Contract Specific - Appendix D
A new Paragraph No. 19 - "Non-Mandatory" Pre-Bid Conference Sign-In Sheet has been added to the General Provisions - Contract Specific, and a new Appendix D has been added in support of this Paragraph.
6. Specifications - Job Specific - Index
Delete Page JS-i in its entirety and replace with the attached revised Page JS-i.
7. Specifications - Job Specific - Item Code 12.108.1000 Prosecution and Progress
Delete Page JS-2 in its entirety and replace with the attached revised Page JS-2.

Removed Phase I Completion Date.
8. Specifications - Job Specific - Item Code 401.9903 High Friction Surface Treatment
Delete Pages JS-17 through JS-20 in their entirety and replace with the attached revised Pages JS-17 through JS-20B.

This Item was renamed from TyreGrip Surface Treatment to High Friction Surface Treatment and the specification was revised.
9. Specifications - Job Specific - Item Code 905.9901 Furnish and Install Textured Crosswalk
Delete Page JS-23 in its entirety and replace with the attached revised Page JS-23.

Insert the attached Page JS-26A.

The material manufacturer was revised to "Dynamic Surface Applications, Ltd."

A letter indicating a guaranteed price quote from the Installer has been incorporated into this Specification as Page JS-26A.
10. Specifications - Job Specific - Item Code 938.1000 Price Adjustments
Delete Page JS-29 in its entirety and replace with the attached revised Page JS-29.

The Base Price of Diesel Fuel was revised to \$3.1278.
11. Federal Wage Rates
Delete the Federal Wage Rates section in its entirety and replace with the attached Federal Wage Rates General Decision Number: RI140001 dated 01/24/2014.

B. Drawings/Plans - Change/Addition

1. Job Specific Symbols, Legend & Notes

Delete Plan Sheet 5 in its entirety and replace with the attached revised Plan Sheet 5.

The callout for TST - TyreGrip Surface Treatment was removed and a new callout for HFST - High Friction Surface Treatment was added.

2. General Plan No. 1 - Route 33/Route 117 at Route 33

Delete Plan Sheet 62 in its entirety and replace with the attached revised Plan Sheet 62.

The callout for TST was replaced with a callout for HFST. The driveway on the north side of Washington Street was extended to the east, toward Read Avenue. An additional section of sidewalk was included on the north side of the wheelchair ramp at the west end of the Project Area.

3. Drainage & Utility Plan No. 1 - Route 33/Route 117 at Route 33

Delete Plan Sheet 63 in its entirety and replace with the attached revised Plan Sheet 63.

The driveway on the north side of Washington Street was extended to the east, toward Read Avenue. An additional section of sidewalk was included on the north side of the wheelchair ramp at the west end of the Project Area.

4. Location Plan No. 1 - Route 33/Route 117 at Route 33

Delete Plan Sheet 64 in its entirety and replace with the attached revised Plan Sheet 64.

The driveway on the north side of Washington Street was extended to the east, toward Read Avenue. An additional section of sidewalk was included on the north side of the wheelchair ramp at the west end of the Project Area. The Curb Line Table was revised to reflect these changes.

5. Signing & Striping Plan No. 1 - Route 33/Route 117 at Route 33

Delete Plan Sheet 65 in its entirety and replace with the attached revised Plan Sheet 65.

The driveway on the north side of Washington Street was extended to the east, toward Read Avenue. An additional section of sidewalk was included on the north side of the wheelchair ramp at the west end of the Project Area. Sign Assembly 111 was moved to the west side of the extended driveway.

6. Traffic Signal Plan No. 1 - Route 33/Route 117 at Route 33

Delete Plan Sheet 66 in its entirety and replace with the attached revised Plan Sheet 66.

The driveway on the north side of Washington Street was extended to the east, toward Read Avenue. An additional section of sidewalk was included on the north side of the wheelchair ramp at the west end of the Project Area. The Pedestrian Signal Head and Pushbutton and Sign at the northwest end of the Project Area was moved from the east side of the wheelchair ramp to the west side of the wheelchair ramp.

C. Distribution of Quantities

1. Index

Delete Index pages 1-4 in their entirety and replace with the attached revised Index pages 1-4.

2. Item Code 401-9903 High Friction Surface Treatment

Delete Page 9 of 56 in its entirety and replace with the attached revised Pages 9 and 9a of 56.

This Item was renamed from TyreGrip Surface Treatment to High Friction Surface Treatment.

3. Item Code 905.0110 Portland Cement Sidewalk Monolithic Standard 43.1.0, Item Code 905.0115 Portland Cement Concrete Driveway Standard 43.5.0 and Item Code 906.0110 Granite Curb, Quarry Split Straight, Standard 7.3.0

Delete Pages 18 of 56 and 19 of 56 in their entirety and replace with the attached revised Pages 18 of 56 and 19 of 56.

Item Code 905.0110 Portland Cement Sidewalk Monolithic Standard 43.1.0 Quantity at ROUTE 33/ROUTE 117 Updated To "30.80". Total Quantity Updated to "186.20".

Item Code 905.0115 Portland Cement Concrete Driveway Standard 43.5.0 Quantity at ROUTE 33/ROUTE 117 Updated To "42.30". Total Quantity Updated to "123.00".

Item Code 906.0110 Granite Curb Quarry Split Straight, Standard 7.3.0 Quantity at ROUTE 33/ROUTE 117 Updated to "15.00".

4. Item Code 914.5010 Flagpersons and Item Code 914.5020 Flagpersons - Overtime

Delete Pages 24 of 56 and 25 of 56 in their entirety and replace with the attached revised Pages 24 of 56 and 25 of 56.

Item Code 914.5010 Flagpersons Quantity Updated To "2000.00".

Item Code 914.5020 Flagpersons - Overtime Quantity Updated To "700.00".

D. Contract Dates

1. Bid-Opening Date

Bid-Opening Date Updated To "02/19/2014" at 3:00 PM.



RI Department of Transportation
Chief Engineer 

INDEX
GENERAL PROVISIONS – CONTRACT SPECIFIC

<u>PARAGRAPH</u>	<u>TITLE</u>	<u>PAGE</u>
1	Brief Scope of Work	CS-1
2	List of Contract Drawings	CS-2
3	Utility and Municipal Notification and Coordination	CS-3
4	Sequence of Construction	CS-4
5	Specialty Items	CS-5
6	Incident Management	CS-5
7	Coordination with Other Projects	CS-5
8	Maintenance of Public Access	CS-6
9	Traffic Fines in Work Zones	CS-6
10	Contractor’s Responsibility for Damaged Storm Drains	CS-6
11	Contractor’s Responsibility for Damaged Utilities	CS-6
12	Storage of Construction Materials and Other Equipment	CS-6
13	Blasting Restrictions	CS-6
14	Shop Drawings	CS-7
15	Structure Disposition / Encroachment Table	CS-8
16	Transportation Management Plan	CS-8
17	Boring Data at Signal Equipment Footing Locations	CS-8
18	Stormwater Pollution Prevention Plan	CS-9
19	“Non-Mandatory” Pre-Bid Conference Sign-In Sheet	CS-9

City of Warwick Police Department: Chief Stephen M. McCartney – 468-4224

Town of West Warwick:

Town of West Warwick Department of Public Works: David Lombardi – 822-9225

Kent County Water Authority: Timothy Brown – 821-9300

Town of West Warwick Fire Department: Chief Joseph Baris, Jr. – 822-9241

Town of West Warwick Police Department: Col. Paul Villa – 821-4323

4. SEQUENCE OF CONSTRUCTION

All work shall be completed in accordance with the Traffic-Related Work Restrictions indicated in the Transportation Management Plan.

- I. Substantial Completion: The Contractor will be required to complete all Contract work by June 26, 2015.

In accordance with Section 108.03 of the Standard Specifications, this project has been designated to be a **Schedule Level B** project.

The Contractor shall perform the proposed work during the day. Nighttime work for milling and paving operations only shall be as directed by the Engineer.

A. Holiday Work Schedule

See the Transportation Management Plan in Appendix A for Holiday work restrictions.

B. Special Requirements:

1. Approval of a work sequence time schedule is required before the start of any construction or other work associated with this contract. The proposed construction sequence and time schedule must consider and address safe vehicle passage through the project areas. No work sequence or time schedule will be approved which does not fully address phasing of all traffic control. The sequence of construction must be submitted to the RIDOT Construction Section no later than 1 week prior to the pre-construction conference.
2. The Contractor will be responsible to develop a sequence of construction which minimizes disruption to traffic flow patterns and which does not create prolonged traffic delays. ALL WORK MUST BE PERFORMED IN A MANNER TO CAUSE THE LEAST DISRUPTION TO EXISTING VEHICULAR TRAFFIC FOR AS SHORT A PERIOD OF TIME AS POSSIBLE. WHEN WORK COMMENCES IN SUCH AREAS, IT SHALL

18. STORMWATER POLLUTION PREVENTION PLAN

Included as Appendix C to these Contract Specific General Provisions is a copy of the Storm Water Pollution Prevention Plan (SWPPP) for this project.

19. “NON-MANDATORY” PRE-BID CONFERENCE SIGN-IN SHEET

Included as Appendix D to these Contract Specific General Provisions is a copy of the “Non-Mandatory” Pre-Bid Conference Sign-In Sheet for this project.



**LEVEL 3
TRANSPORTATION
MANAGEMENT
PLAN**

Highway Safety Improvement Program - Southern

Project Name: **RI - Intersection Improvements & Road Diet**

RI Design Contract No(s): **2000-ET-027**

RI Construction Contract No(s): **2012-CT-104**

Submission: **FINAL**

Date: **1/21/2014**

PROJECT INFORMATION

Brief Project Description: This project will implement various safety improvements at five (5) locations in the southern part of the State (see General Work Limits below), including, but not limited to, repair, replacement and addition of pavement structures, curbing and sidewalks; repair and replacement of closed drainage systems; landscaping improvements; installation of signs and pavement markings; removing and disposing of existing traffic signal apparatus and structures; and installation of new traffic signal apparatus, conduits and structures.

- General Work Limits:**
- Kingstown Road (Route 108) in South Kingstown, from the Route 1 SB Ramps to School Street
 - West Natick Road in Warwick, from Bald Hill Road (Route 2) to the Warwick Mall Entrance/Soule Street
 - South County Trail (Route 2) at Frenchtown Road (Route 402) in East Greenwich
 - New London Avenue at Providence Street (Route 115/Route 33) in West Warwick
 - Washington Street (Route 33/Route 117) at West Warwick Avenue (Route 117) in Coventry and West Warwick

WORK ZONE LOCATIONS

ROADWAY NAME of INTERSECTION	FROM	TO	APPROX. LENGTH
Route 108 (Kingstown Road)	Route 1 ramps	School Street	3930'
Old Tower Hill Road/Main Street	At Kingstown Road (Route 108)		470'
MacArthur Boulevard	At Kingstown Road (Route 108)		
Charles Street/Arnold Street	At Kingstown Road (Route 108)		
Dale Carlia Street	At Kingstown Road (Route 108)		
Indian Run Village	At Kingstown Road (Route 108)		
School Street	At Kingstown Road (Route 108)		
Bald Hill Road (Route 2)	At West Natick Road		175'
West Natick Road	Bald Hill Road (Route 2)	Warwick Mall Entrance/Soule Street	915'
Warwick Mall Entrance/Soule Street	At West Natick Road		
South County Trail (Route 2)	Station 124+78	Station 135+00	1000'
Frenchtown Road (Route 402)	Station 7+46	Station 16+51	900'
Meadowbrook Drive	At Frenchtown Road (Route 402)		
Providence Street (Route 33/Route 115)	At New London Avenue		175'
New London Avenue	At Providence Street (Rte 33/Rte 115)		400'
Washington Street (Route 117/Route 33)	At West Warwick Avenue (Route 117)		535'
West Warwick Avenue (Route 117)	At Washington Street (Rte 117/Rte 33)		500'
Whitford Street	At Washington Street (Rte 117/Rte 33)		
Read Avenue	At Washington Street (Rte 117/Rte 33)		

General
Project
Schedule*:

Construction for this project is expected to begin in the Spring of 2014 and scheduled to be complete by the Summer of 2015.

*The information in this section is not intended to and shall not supersede the approved schedule and milestone/completion dates for the project.

TRAFFIC-RELATED WORK RESTRICTIONS

General
Restrictions:

See attached restrictions tables for general traffic-related work restrictions. Milling and paving operations to be completed between the hours of 7:00 PM and 6:00 AM weeknights.

Holiday
Restrictions:

NOTE: IN CASE OF DISCREPANCY BETWEEN THESE HOLIDAY RESTRICTIONS AND THE GENERAL RESTRICTIONS (ATTACHMENT A), THESE HOLIDAY RESTRICTIONS SHALL GOVERN.

No lane and/or shoulder closures allowed after 13:00 on the Friday preceding a holiday weekend.

EASTER SUNDAY

No lane and/or shoulder closures allowed on Saturday.

No lane and/or shoulder closures allowed on Sunday until 22:00 (after 22:00, General Restrictions shall apply).

NEW YEAR'S DAY, INDEPENDENCE DAY, & CHRISTMAS DAY

No lane and/or shoulder closures allowed after 13:00 on the day before the holiday.

No lane and/or shoulder closures allowed on the holiday.

VETERANS DAY

No lane and/or shoulder closures allowed after 13:00 on the day before the holiday.

No lane and/or shoulder closures allowed on Veterans Day until 19:00 (after 19:00, General Restrictions shall apply).

DR. MARTIN LUTHER KING, JR. DAY, VICTORY DAY, & COLUMBUS DAY

No lane and/or shoulder closures allowed on Saturday and/or Sunday.

No lane and/or shoulder closures allowed on Monday until 19:00 (after 19:00, General Restrictions shall apply).

MEMORIAL DAY & LABOR DAY

No lane and/or shoulder closures allowed on Saturday and/or Sunday.

No lane and/or shoulder closures allowed on Monday until 19:00 (after 19:00, General Restrictions shall apply).

THANKSGIVING DAY

No lane and/or shoulder closures allowed after 13:00 on the Wednesday preceding Thanksgiving Day.

No lane and/or shoulder closures allowed on Thanksgiving Day, Friday, Saturday and/or Sunday.

PERFORMANCE MONITORING, CHANGES TO TMP, & CONTINGENCIES

The Contractor's TMP Implementation Manager (if identified below) is responsible for keeping the portion of the project being used by public traffic in a condition that (1) safely and adequately accommodates such traffic and (2) is in accordance with the Traffic-Related Work Restrictions, the Temporary Traffic Control Plans, and where appropriate, the other transportation management strategies identified above. The RIDOT TMP Implementation Manager or his/her responsible designee should (1) inspect the project work zones at initial setup, at the start of each subsequent work day, and just prior to extended breaks in the work (e.g., weekends) for conformance with the Temporary Traffic Control Plans, the ATSSA Quality Guidelines for Temporary Traffic Control Devices and Features, and where applicable, the other transportation management strategies identified above and (2) document all work zone-related feedback and complaints that are received from the public.

If at any time (1) a significant deviation from any of the strategies included in the TMP (e.g., the use of an alternate construction sequence) is desired by one or more members of the project implementation team, (2) field observations and/or data suggest that impacts to road users are or will be unacceptable, or (3) one or more performance requirements established in the TMP are not being met in the field, the RIDOT TMP Implementation Manager shall report the situation to his/her supervisor or Division/Section/Unit manager. The supervisor / manager will coordinate with the State Traffic Engineer, the Traffic Management Chief, the TMP Implementation Manager(s), the Chief Engineer, and/or other interested parties as appropriate and/or necessary to consider and determine whether revised and/or alternate strategies should be implemented in an effort to lessen the adverse safety and/or mobility impacts of the project. If the supervisor / manager deems that strategy changes should be implemented, the changes shall be documented in a revised version of the TMP and the Traffic Management Chief, the State Traffic Engineer, and the Chief Engineer must approve of the revised TMP prior to their implementation.

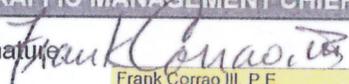
If a significant deviation from any of the strategies included in the TMP is requested by the Contractor, unless directed otherwise by the RIDOT the Contractor is responsible for preparing and submitting to the RIDOT TMP Implementation Manager appropriate documentation (e.g., design calculations, analysis reports, Temporary Traffic Control Plans, etc.) showing that the requested change(s) are (1) feasible and (2) expected to result in safety and mobility impacts that are no more adverse than the impacts resulting from the strategies already included in the latest approved TMP. The RIDOT will review and consider the submittal(s) as described in the preceding paragraph and will determine whether the changes should be implemented. If the requested changes are approved by the RIDOT, unless otherwise directed by the RIDOT the Contractor shall prepare and submit to the RIDOT TMP Implementation Manager a revised version of the latest approved TMP in both printed and electronic (Microsoft® Excel) format that documents all of the approved changes. Work to implement the changes shall not begin until the Traffic Management Chief, the State Traffic Engineer, and the Chief Engineer have approved of the revised TMP.

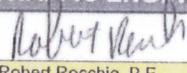
When unexpected events (e.g., crashes, inclement weather, unforeseen traffic demands, etc.) occur in a project work zone where one or more lanes are closed, the RIDOT TMP Implementation Manager or his/her responsible designee should (1) determine whether or not the lane closure(s) can/should be removed in order to improve traffic operations and/or minimize delays and (2) if deemed appropriate, take action to remove the lane closure(s).

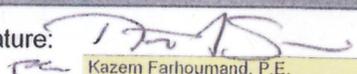
Other Requirements:

TMP APPROVALS

All approvals must be obtained prior to start of work

TRAFFIC MANAGEMENT CHIEF		
Signature: 		
Frank Corrao III, P.E.		
Date: 2/7/14		
Revision #	Initials	Date

STATE TRAFFIC ENGINEER		
Signature: 		
Robert Rocchio, P.E.		
Date: 1/24/13		
Revision #	Initials	Date

CHIEF ENGINEER		
Signature: 		
Kazem Farhoumand, P.E.		
Date: 2/7/14		
Revision #	Initials	Date

TMP IMPLEMENTATION MANAGERS

Project managers with the primary responsibility & authority for implementation of this TMP

RIDOT	
Name:	
Title:	
Unit:	
Office Phone:	
Mobile Phone:	
E-Mail:	

CONTRACTOR (if contract work)	
Name:	
Title:	
Company/Unit:	
Office Phone:	
Mobile Phone:	
E-Mail:	

**Attachment A to Level 3 TMP
Kingstown Road (Route 108)**

Time of Day		MINIMUM NUMBER OF LANES AND SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2}						
		Day of Week						
From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
00:00	06:00	ALL	1 L (alt)	ALL				
06:00	09:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
09:00	15:00	ALL	1 L	1 L	1 L	1 L	1 L	ALL
15:00	19:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
19:00	00:00	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	ALL	ALL

Location

**Kingstown Road
Old Tower Hill Road
Main Street**

LEGEND

- ALL All travel lanes and shoulders shall remain open to traffic.
- 1 L A minimum of one 11-foot wide travel lane in each direction shall remain open to traffic.
- 1 L (alt) A minimum of one 11-foot wide travel lane shall remain open to alternating traffic during milling and paving operations.

NOTES:

- 1) The set-up and break-down of temporary traffic control devices within a traveled way or shoulder shall be construed as a closure of that traveled way or shoulder.
- 2) The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.
- 3) Night work is for milling and paving operations only.
- 4) Channelized right turn lanes may be closed on a full-time basis as needed for the duration of the project.

**Attachment A to Level 3 TMP
Kingstown Road (Route 108)**

MINIMUM NUMBER OF LANES AND SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2}											
Location	Time of Day		Day of Week								
	From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
MacArthur Boulevard Charles Street	00:00	06:00	ALL	1 L (alt)	ALL						
	06:00	19:00	ALL	1 L (alt)	ALL						
Indian Run Village Drive School Street	19:00	00:00	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	ALL	ALL	ALL	

LEGEND

ALL	All travel lanes and shoulders shall remain open to traffic.
1 L (alt)	A minimum of one 11-foot wide travel lane shall remain open to alternating traffic.

NOTES:

- 1) The set-up and break-down of temporary traffic control devices within a traveled way or shoulder shall be construed as a closure of that traveled way or shoulder.
- 2) The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.
- 3) Night work is for milling and paving operations only.

**Attachment A to Level 3 TMP
South County Trail (Route 2) at Frenchtown Road**

MINIMUM NUMBER OF LANES AND SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2}											
Location	Time of Day		Day of Week								
	From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
South County Trail Frenchtown Road	00:00	06:00	ALL	1 L	1 L	1 L	1 L	1 L	1 L	ALL	
	06:00	15:00	ALL	1 L	1 L	1 L	1 L	1 L	1 L	ALL	
	15:00	00:00	ALL	1 L	1 L	1 L	1 L	1 L	1 L	ALL	
Meadowbrook Drive	00:00	06:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	
	06:00	21:00	ALL	1 L (alt)	ALL						
	21:00	00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	

LEGEND

- ALL All travel lanes and shoulders shall remain open to traffic.
- 1 L A minimum of one 11-foot wide travel lane in each direction shall remain open to traffic.
- 1 L (alt) A minimum of one 11-foot wide travel lane shall remain open to alternating traffic.

NOTES:

- 1) The set-up and break-down of temporary traffic control devices within a traveled way or shoulder shall be construed as a closure of that traveled way or shoulder.
- 2) The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.

**Attachment A to Level 3 TMP
West Natick Road**

Location		MINIMUM NUMBER OF LANES AND SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2}													
		Time of Day		Day of Week											
From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday							
West Natick Road Bald Hill Road Warwick Mall Entrance	00:00	09:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	09:00	15:00	ALL	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L	1 L
	15:00	00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
Soule Street	00:00	09:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	09:00	15:00	ALL	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)
	15:00	00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL

LEGEND

- ALL All travel lanes and shoulders shall remain open to traffic.
- 1 L A minimum of one 11-foot wide travel lane in each direction shall remain open to traffic.
- 1 L (alt) A minimum of one 11-foot wide travel lane shall remain open to alternating traffic.

NOTES:

- 1) The set-up and break-down of temporary traffic control devices within a traveled way or shoulder shall be construed as a closure of that traveled way or shoulder.
- 2) The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.

**Attachment A to Level 3 TMP
Providence Street (Route 33) at New London Avenue**

Time of Day		Day of Week						
		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Providence Street	From To	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	00:00 09:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	09:00 15:00	ALL	1 L (alt)	ALL				
New London Avenue	From To	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	00:00 09:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	09:00 15:00	ALL	1 L (alt)	ALL				
	15:00 00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL

LEGEND

ALL	All travel lanes and shoulders shall remain open to traffic.
1 L (alt)	A minimum of one 11-foot wide travel lane shall remain open to alternating traffic.

NOTES:

- 1) The set-up and break-down of temporary traffic control devices within a traveled way or shoulder shall be construed as a closure of that traveled way or shoulder.
- 2) The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.

**Attachment A to Level 3 TMP
Washington Street (Route 33/117) at West Warwick Avenue (Route 117)**

Location		MINIMUM NUMBER OF LANES AND SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2}							
		Time of Day		Day of Week					
From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
Washington Street West Warwick Avenue		00:00	09:00	ALL	ALL	ALL	ALL	ALL	ALL
		09:00	15:00	ALL	1L	1L	1L	1L	ALL
		15:00	00:00	ALL	ALL	ALL	ALL	ALL	ALL
Whitford Street / Read Avenue		00:00	09:00	ALL	ALL	ALL	ALL	ALL	ALL
		09:00	15:00	ALL	1L (alt)	1L (alt)	1L (alt)	1L (alt)	ALL
		15:00	00:00	ALL	ALL	ALL	ALL	ALL	ALL

LEGEND

- ALL All travel lanes shall remain open to traffic.
- 1L A minimum of one 11-foot wide travel lane shall remain open in each direction.
- 1 L (alt) A minimum of one 11-foot wide travel lane shall remain open to alternating traffic.

NOTES:

- 1) The set-up and break-down of temporary traffic control devices within a traveled way or shoulder shall be construed as a closure of that traveled way or shoulder.
- 2) The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.



State of Rhode Island
Division of Purchases
One Capitol Hill
Providence, RI 02908

"NON-MANDATORY" PRE-BID CONFERENCE SIGN IN SHEET

BID NUMBER: 7548416 RIDOT RIC # 2012-CT-104
BID TITLE: High Hazard Intersections(South) Short Term Improvements
PRE-BID DATE AND TIME: January 30, 2014 at 10:00 AM RIDOT TMC

Purchasing Representative: NONE
Pre-bid START TIME: 9:05
Pre-bid END TIME: 9:06

COMPANY NAME	COMPANY REPRESENTATIVE	ADDRESS	CONTACT E-MAIL	CONTACT PHONE NUMBER	CONTACT FAX NUMBER	PROPOSAL SUBMITTED (For Purchasing Use Only)
1 RISDOT	NATHAN SHAPIRO	2 Capital Hill	NATHAN.SHAPIRO@RIDOT.RI.GOV	222-3260X4410		
2 FUSS+O'NEILL	Deeox fuz	317 R-N House Way SUITE 204, Prov	dfuz@fando.com	601-861-3070 X4583	601-861-3076	
3 RIDOT	Jeff Frendbers	2 Capitol Hill	jeffrey.frendbers@dot.ri.gov	222-2684 ext A212		
4 RIDOT	Theodore Coleman	2 Capitol Hill	t.coleman@dot.ri.gov	222 2694 X4203		
5 Narragansett Improvement Co	James Klouman	223 Aillons Ave Providence	JKlouman@NICOR.I.COM	331-7420	351-6444	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

INDEX
SPECIFICATIONS – JOB SPECIFIC

<u>CODE</u>	<u>TITLE</u>	<u>PAGE</u>
105.14	Opening Sections of Project to Traffic	JS-1
12.108.1000	Prosecution and Progress	JS-2
109.04	Differing Site Conditions, Changes, Extra Work and Force Account Work	JS-3
201.9901	Remove and Dispose/Salvage Traffic Signal Systems	JS-5
209.9901	Catch Basin Inlet Protection	JS-7
212.1000	Maintenance and Cleaning of Erosion and Pollution Controls	JS-10
401.9901	Class 9.5 HMA	JS-11
401.9902	Class 19 HMA	JS-14
401.9903	High Friction Surface Treatment	JS-17
704.0100	Reconstruct Catch Basin/Corbel Cones	JS-21
705.1300	Reconstruct CB Type 'D' to Catch Basin with Gutter Inlet	JS-22
905.9901	Furnish and Install Textured Crosswalk	JS-23
906.1000	Dust Control	JS-27
937.1000	Maintenance and Movement of Traffic Protective Devices	JS-28
938.1000	Price Adjustments	JS-29
943.0200	On-the-Job Training	JS-30
943.9901	Continuing Education Class	JS-35
L02.1000	Seeding	JS-36
L06.1000	Planting	JS-37
T04.9901	#19 AWG 6 Pair Traffic Communications Cable	JS-38
T11.9901	25-Foot Galvanized Steel Mast Arm Traffic Signal Post and Foundation Std. 19.2.0	JS-40
T11.9902	Dual Mast Arm (25x30) Galvanized Steel Traffic Signal Post and Foundation Std. 19.2.0	JS-40
T11.9903	30-Foot Galvanized Steel Mast Arm Traffic Signal Post and Foundation Std. 19.2.0	JS-40
T12.9902	Traffic Signal System Master	JS-42
T12.9903	Modify Existing Remote Computer Stations Database	JS-45

JOB SPECIFIC

CODE 12.108.1000 – PROSECUTION AND PROGRESS

DESCRIPTION:

In accordance with Section 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:

Substantial Completion: June 26, 2015

All Contract work shall be completed, as defined by Section 101.71.

Liquidated Damages: \$1,200 per calendar day.

END OF SECTION

JOB SPECIFIC

CODE 401.9903 – HIGH FRICTION SURFACE TREATMENT

DESCRIPTION:

This work consists of cleaning and preparing existing pavement surfaces and furnishing and applying a binder resin system and high friction aggregate on pavement surfaces to provide a friction surface to the lines shown on the Plans or as directed by the Engineer.

INSTALLER QUALIFICATIONS:

Contractor shall submit for the Engineer's approval a list of at least three (3) projects completed by the Installer within the past five (5) years on which a cumulative minimum of 10,000 square yards of high friction surface treatment has been placed demonstrating a friction reading of 65 skid resistant value (SRV), or better. The project list shall include the project name, project location, owner's contact information, the number of square yards of high friction surface treatment installed and the project value. For Contractor reference, the following is a list of three (3) vendors that have successfully installed High Friction Surface Treatment:

DBI Services, Pennsylvania; Dow POLY-CARB Ohio; Transpo Industries, Inc., New York

MATERIALS:

Binder Resin System

Binder Resin Systems shall be recommended by the manufacturer, and approved by the Engineer, as suitable for use on the intended pavement surface and for the potential range of atmospheric exposure. A primer, or polymeric resin that is used to fill cracks and voids in existing pavement surface that is compatible with the Binder Resin System, shall be used before application of the Binder Resin System, when recommended by the Manufacturer. The properly proportioned and mixed binder shall conform to the requirements of Table 1. Independent laboratory reports per formulation shall be provided, documenting that the resin binder meets the requirements of this section. A sample of the resin binder and components in the lot/batch shall be supplied to the Engineer upon request. Failure to comply with the specified material properties shall result in the rejection of the material lot/batch provided.

Calcined Bauxite Aggregate Surface Topping

The high friction aggregate shall be calcined bauxite that is clean, dry, and free from foreign matter. The Contractor shall submit a Certificate of Compliance showing that the calcined bauxite aggregate conforms to the physical and chemical requirements of Table 2.

Table 1 – Physical Requirements of the Binder Resin System

Property	Test Method	Requirements	
		Epoxy Resin	MMA Resin
Viscosity	ASTM D-2556	Class C: 7-30 poises	Class C: 12-20 poises
Gel Time	AASHTO M-235	Class C: 10 minutes min	Class C: 10 minutes min
Ultimate Tensile Strength	AASHTO M-235	2000-5000 psi	1500-5000 psi
Elongation at break point	AASHTO M-235	30-70%	30-70%
Durometer Hardness (shore D)	ASTM D-2240	60-80	40-75
Compressive Strength	ASTM C-579	1600 psi min	1600 psi min
Compressive Strength	AASHTO M-235	1000 psi min (at 3 hours) 5000 psi min (at 7 days)	1000 psi min (at 3 hours) 2000 psi min (at 7 days)
Cure Rate (Dry through time)	ASTM D-1640	3 hours max	3 hours max
Water Absorption	AASHTO M-235	1% max	1% max
Adhesive Strength @ 24 hours	ASTM C-1583	250 psi min or 100% substrate failure	250 psi min or 100% substrate failure

Table 2 – Physical and Chemical Requirements of the Aggregate

Property	Test Method	Requirements
Polish Stone Value	AASHTO T 279	65 min
Resistance to Degradation	AASHTO T-96	20% max
Aggregate Grading	AASHTO T-27	
Sieve Designation		Mass Percent Passing
No. 4 Sieve Size		100% min Passing
No. 6 Sieve Size		95% min Passing
No. 16 Sieve Size		5% max Passing
Moisture Content	AASHTO T-255	0.2% max
Aluminum Oxide	ASTM C-25	87% min

CONSTRUCTION METHODS:

A. Safety Provisions

Personnel shall be thoroughly trained in the safe handling of materials in accordance with the Manufacturer's recommendations.

B. Storage of Materials

Materials shall be stored in accordance within the requirements of **Section 106.06**. MSDS and other information pertaining to the safe practices for the storage, handling and disposal of the materials, and to their health hazards shall be obtained from the manufacturer and posted at storage areas. A copy of such information shall be provided to the Engineer. At no time shall the aggregate be exposed to rain or moisture.

C. Application Conditions:

The Binder Resin System shall not be applied on a wet surface or when the ambient temperature is below 40°F or above 105° F, or when the anticipated weather conditions would prevent the proper application and curing of the surface treatment materials.

D. Surface Preparation:

All pavement surfaces shall be prepared immediately prior to installation of high friction surface treatment. All existing pavement markings that are adjacent to the treatment location shall be protected prior to performing surface preparation. Pavement markings in conflict with the high friction surface treatment or as called out on the Plans or directed by the Engineer shall be removed to the point that they are flush with existing pavement surface by grinding.

Surfaces shall be clean, dry, and free of all dust, oil, debris and any other material that might interfere with the bond between the resin binder material and existing surfaces. All pavement surfaces shall be cleaned using mechanical sweepers and air washed using a minimum of 180 cfm of clean and dry compressed air to remove all dust, debris, and deleterious material. The mechanical sweeper and high pressure air wash shall have sufficient oil traps during cleaning. The air lance shall remain perpendicular to the surface and within 12 inches in height from the surface.

All pavement surfaces contaminated with oils, greases, or other deleterious materials not removed by the surface preparation shall be washed with a mild detergent solution, rinsed with clean potable water, and dried using a hot compressed air lance. Adequate cleaning of all surfaces will be determined by the Engineer.

For applications on new asphalt, a mandatory 30 day cure period shall take place prior to the installation of the epoxy binder and high friction bauxite aggregate. On new concrete surfaces, all curing compounds shall be completely removed prior to installation

Utilities, drainage structures, curbs and any other structure within or adjacent to the treatment location shall be protected from the application of the surface treatment materials.

Pre-treat joints and cracks greater than 1/4 inch in width and depth with the mixed binder resin system specified herein. Once the binder resin in the pre-treated areas has gelled, the installation may proceed.

E. Application

The Contractor shall utilize one of the following methods to apply the binder resin and aggregate wearing course, in accordance with the manufacturer's recommendations.

Mechanical Application

Mechanical application shall be performed by an applicator vehicle. The Binder Resin System manufacturer shall approve the use of said automated continuous application device with their material. The applicator shall mechanically mix, meter, monitor, and apply the Binder Resin System and high friction aggregate in one continuous pass. The application vehicle shall feature volumetric metering pumps that continuously mix, meter, and monitor and apply the resin binder and high friction aggregate. If recommended by the manufacturer, metering pumps shall be heated. The automated continuous application vehicle shall have continuous pumping and proportioning devices that blend the Binder Resin System within a controlled system.

The Binder Resin System shall be blended and mixed in the ratio per the manufacturer's specification (+/-2% by volume) and shall be continuously applied once blended. The application vehicle shall be capable of applying a uniform application thickness of 50-65 mils (typical 25-32 sf./gal.). Coverage rate is based upon expected variances in the surface profile of the pavement. The operation should proceed in such a manner that will not allow the mixed material to separate, cure, dry, be exposed or otherwise harden in such a way as to impair retention and bonding of the aggregate. An open-graded friction course shall likely require 2 applications to achieve this requirement. To RIDOT's knowledge, the following locations have a friction course:

- Route 99 north on-ramp from Eddie Dowling Highway (Route 146)
- Route 99 south off-ramp to Eddie Dowling Highway (Route 146)

The Contract should take into consideration the potential need for 2 applications at these locations if indeed open-graded frictions course exists.

The high friction aggregate shall be applied at 5 minutes (+/- 1 min) of the base resin binder application into the pavement section. The high friction surface aggregate shall be applied mechanically at a rate of 12-15 lbs/sqyd. (achieving saturation) in such a manner that there is no disruption to the leveled binder. It is the responsibility of the Installer to ensure full embedment of the calcined bauxite aggregate. Wet spots shall be covered with the aggregate prior to the gelling of the Binder Resin System. Excess aggregate that can be reused shall be reclaimed by a vacuum sweeper. The recovered aggregate must be clean, uncontaminated, and dry. Additional sweeping shall be applied to all installations three days after the initial installation is completed. Contractor equipment, Installer equipment, and traffic are not permitted on the high friction surface treatment during the curing period, as recommended by the manufacturer. Any disturbance to the high friction surface treatment during the curing process will result in that section being removed and replaced at the Contractor's expense.

Hand Mixing and Application

For areas where mechanical forms of application are not conducive or economical, as determined by the Engineer, hand-mixed Binder Resin System in accordance to the manufacturer's recommendations shall be used. The Binder Resin System shall be uniformly spread onto the surface using a serrated edge squeegee at a uniform application thickness of 50-65 mils (25-32 sf./gal.). Coverage rate is based upon expected variances in the surface profile of the pavement. A friction course may likely require 2 applications to achieve this requirement.

The high friction surfacing aggregates shall be immediately broadcast at a rate of 12-15 lbs./sq. yd. (achieving saturation) in such a manner that there is no disruption to the leveled binder. It is the responsibility of the Contractor to ensure full embedment of the calcined bauxite aggregate. Wet spots shall be covered with the aggregate prior to the gelling of the Binder Resin System. Excess aggregate that can be reused shall be reclaimed by a vacuum sweeper. The recovered aggregate must be clean, uncontaminated, and dry. Additional sweeping shall be applied to all installations three days after the initial installation is completed. Contractor equipment and traffic is not permitted on the high friction surface treatment during curing period. Any disturbance to the high friction surface treatment during the curing process will result in that section being removed and replaced at the Contractor's expense.

F. Field Testing

In-place friction characteristics must meet a minimum requirement of 65 FN40R when tested in accordance to ASTM E 274 upon completion of the installation at all locations shown on the Plans or as directed by the Engineer. Field testing to ensure these in-place friction characteristics are met will be performed by a 3rd party testing agency to be obtained and compensated by the Contractor. The testing results shall be forwarded in a timely manner directly to the Engineer. The 3rd party testing agency shall be approved by the Engineer. If the Engineer determines the results from the in-place field testing do not meet the minimum

requirement of 65 FN40R, the Contractor shall remove the existing high friction surface and reapply the high friction surface course until the minimum requirement is met as determined by the testing agency and the Engineer at no additional cost to the State.

METHOD OF MEASUREMENT:

“HIGH FRICTION SURFACE TREATMENT” will be measured by the area in “Square Yard” of those existing pavement surfaces actually so-treated and accepted in accordance with the Plans and/or as directed by the Engineer. Material placed outside of the designated treatment area is disregarded in computing the quantity. Surface preparation, including cleaning, sweeping, removal of existing pavement markings, pre-treatment of joint and cracks, and removing and disposing of sweepings and debris will not be measured for payment, but shall be incidental to this work. Field Testing, including the obtaining and full compensation of the 3rd party testing agency, will also not be measured for payment but shall be incidental to this work.

BASIS OF PAYMENT:

The accepted quantity of “HIGH FRICTION SURFACE TREATMENT” will be paid for at the contract unit bid price per “Square Yard” as listed in the Proposal. The price so-stated constitutes full and complete compensation for surface preparation including pre-treatment of joint and cracks and removal of existing pavement markings, furnishing and applying the High Friction Surface Treatment as specified or directed by the Engineer, obtaining and fully compensating the 3rd party testing agency, and for all labor, tools, equipment, materials, survey, and all other incidentals required to finish the work, complete, in-place friction characteristics field tested and meeting minimum requirements, and accepted by the Engineer.

END OF SECTION

JOB SPECIFIC

CODE 905.9901 – FURNISH AND INSTALL TEXTURED CROSSWALK

DESCRIPTION:

Work under this item shall consist of the installation of a textures, synthetic paving material for crosswalks at the intersection of Kingstown Road (Route 108) and Old Tower Hill Road/Main Street (Route 1A), as shown on the Contract Drawings.

MANUFACTURER:

The material to be utilized in the performance of the work specified must demonstrate a documented history of satisfactory field performance and integrity of the work so performed in accordance with these Specifications for a minimum period of five (5) years. The material shall be the IMPRINT synthetic paving material manufactured by Dynamic Surface Applications, Ltd. There will be no approved equal.

The Contractor shall obtain from the Manufacturer, and submit to the Engineer, an affidavit regarding patent infringement rights stating that any suit or claim against the State due to alleged infringement rights shall be defended by the Manufacturer who will bear all costs, expenses and attorney's fees incurred thereof.

MATERIALS:

The material shall be the IMPRINT synthetic paving material manufactured by Dynamic Surface Applications, Ltd., and shall conform to the following physical properties:

GRADE	45 Heavy Traffic*
Average Temp. Range	25 – 113 degrees F
Wheel Tracking @ 113 F	less than 1 mm/hr
Wheel Tracking @ 140 F	N/A
Density	2.12
Cone Flow Test (5 hrs. @ 194 F)	15% maximum
Plane Test (5 hrs. @ 194 F)	5% maximum
Indent @ 104 F	25 dmm maximum
Indent @ 122 F	N/A
Ash Content	90% maximum
Skid Resistance Value	55-70

*The Accredited Imprint Installer will select the proper grade of IMPRINT material best suited for the project.

The IMPRINT material shall be integrally pigmented such that the color shall match “Burnt Red”.

Felix A. Marino Co., Inc.

Pavement Maintenance Contractors

32 Corwin Street
P.O. Box 431
Peabody, MA 01960
Phone: (978) 532-3838
Fax: (978) 532-3726
Email: Felixmar@AOL.com

David Kurowski, P.E.
Fuss & O'Neill, Inc.
317 Iron Horse Way, Suite 204
Providence, R.I. 02908

February 11, 2014

RE: IMPRINT for RIDOT Project in South Kingstown (2012-CT-104)

Dear Mr. Kurowski:

As discussed, the cost for installing the IMPRINT product on the project referenced above would be \$22.95 per square foot for the approximately 2,925 square feet of crosswalks. This price includes the removal of the pavement to a maximum depth of $\frac{3}{4}$ " and installing the IMPRINT product to 4 crosswalks including the standard oxide red color and the brick pattern present on other IMPRINT installations in the Town.

This price can be guaranteed until July of 2015.

Also, I certify that this will be the price quoted to prospective bidders on this project.

If you have any questions, please do not hesitate to call.

Sincerely:

Peter J. Marino

Peter J. Marino
Felix A. Marino Co., Inc

JOB SPECIFIC

CODE 938.1000 – PRICE ADJUSTMENTS

DESCRIPTION:

a. Liquid Asphalt Cement.* The Base Price of Liquid Asphalt Cement as required to implement Subsection 938.03.1 of the Standard Specifications is \$ **640.00** per ton.

* In the case of modified asphalt binder, this price adjustment provision shall only apply to the neat liquid asphalt component. This provision shall not apply to the modifier component, manufacture, storage, transportation or other associated costs.

b. Diesel Fuel. The Base Price of Diesel Fuel as required to implement Subsection 938.03.2 of the Standard Specifications is \$ **3.1278** per gallon.

END OF SECTION

Untitled

General Decision Number: RI140001 01/24/2014 RI1

Superseded General Decision Number: RI20130001

State: Rhode Island

Construction Types: Building, Heavy (Heavy and Marine) and Highway

Counties: Rhode Island Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories) HEAVY, HIGHWAY AND MARINE CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	01/03/2014
1	01/24/2014

ASBE0006-008 09/01/2012

	Rates	Fringes
Asbestos Worker/Insulator Includes application of all insulating materials, protective coverings, coatings & finishes to all types of mechanical systems.	\$ 37.31	22.43

ASBE0201-004 06/01/2005

	Rates	Fringes
HAZARDOUS MATERIAL HANDLER Includes preparation, wetting, stripping, removal scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems.....	\$ 17.65	9.95

BOIL0029-001 10/01/2009

	Rates	Fringes
BOILERMAKER.....	\$ 38.25	17.04

BRR10003-001 12/01/2013

	Rates	Fringes
Bricklayer, Stonemason, Pointer, Caulker & Cleaner.....	\$ 35.36	22.72

BRR10003-002 09/01/2013

Untitled
Rates Fringes

Marble Setter, Terrazzo Worker & Tile Setter.....	\$ 35.14	23.41
--	----------	-------

BRII0003-003 09/01/2013

Rates Fringes

Marble, Tile & Terrazzo Finisher.....	\$ 29.78	22.15
--	----------	-------

* CARP0094-001 01/01/2014

Rates Fringes

CARPENTER (Includes Soft Floor Layer).....	\$ 32.61	24.71
Diver Tender.....	\$ 33.61	24.71
Diver.....	\$ 44.41	24.71
MILLWRIGHT.....	\$ 32.19	24.49
Piledriver.....	\$ 32.11	24.65
WELDER.....	\$ 33.61	24.71

FOOTNOTES:

When not diving or tending the diver, the diver and diver tender shall receive the piledriver rate. Diver tenders shall receive \$1.00 per hour above the pile driver rate when tending the diver.

Work on free-standing stacks, concrete silos & public utility electrical power houses, which are over 35 ft. in height when constructed: \$.50 per hour additional.

Work on exterior concrete shear wall gang forms, 45 ft. or more above ground elevation or on setback: \$.50 per hour additional.

The designated piledriver, known as the "monkey": \$1.00 per hour additional.

ELEC0099-002 06/01/2013

Rates Fringes

ELECTRICIAN.....	\$ 34.08	62.86%
Teledata System Installer.....	\$ 25.56	14.26%+13.57

FOOTNOTES:

Work of a hazardous nature, or where the work height is 30 ft. or more from the floor, except when working OSHA-approved lifts: 20% per hour additional.

Work in tunnels below ground level in combined sewer outfall: 20% per hour additional.

* ELEV0039-001 01/01/2014

Rates Fringes

Untitled

ELEVATOR MECHANIC.....\$ 45.62 26.785+A+B

FOOTNOTES:

A. PAID HOLIDAYS: New Years Day; Memorial Day; Independence Day; Labor Day; Veterans' Day; Thanksgiving Day; the Friday after Thanksgiving Day; and Christmas Day.

B. Employer contributes 8% basic hourly rate for 5 years or more of service of 6% basic hourly rate for 6 months to 5 years of service as vacation pay credit.

ENGI0057-001 12/01/2013

	Rates	Fringes
Operating Engineer: (power plants, sewer treatment plants, pumping stations, tunnels, caissons, piers, docks, bridges, wind turbines, subterranean & other marine and heavy construction work)		
GROUP 1.....	\$ 36.15	21.60+a
GROUP 2.....	\$ 31.77	21.60+a
GROUP 3.....	\$ 28.92	21.60+a
GROUP 4.....	\$ 35.20	21.60+a
GROUP 5.....	\$ 26.00	21.60+a
GROUP 6.....	\$ 20.00	21.60+a
GROUP 7.....	\$ 31.85	21.60+a
GROUP 8.....	\$ 35.77	21.60+a

BOOM LENGTHS, INCLUDING JIBS:

- 150 feet and over + \$ 2.00
- 180 feet and over + \$ 3.00
- 210 feet and over + \$ 4.00
- 240 feet and over + \$ 5.00
- 270 feet and over + \$ 7.00
- 300 feet and over + \$ 8.00
- 350 feet and over + \$ 9.00
- 400 feet and over + \$10.00

PAID HOLIDAYS:

New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

FOOTNOTES:

Hazmat work: \$2.00 per hour additional.
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Digging machine, Ross Carrier, crane, lighter, locomotive, derrick, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, graders,

Untitled

front end loader (3 yds. and over), vibratory hammer & vacuum truck, roadheaders, forklifts, economobile type equipment, tunnel boring machines, concrete pump and on site concrete plants.

GROUP 2: Fireman & oiler.

GROUP 3: Oiler on crawler backhoe.

GROUP 4: Bulldozer, bobcats, skid steer loader, tractor, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile-powered sweeper (3-yd. capacity), 8-ft. sweeper minimum 65 HP).

GROUP 5: well-point installation crew.

GROUP 6: Utility Engineers and Signal Persons

GROUP 7: Heater, concrete mixer, stone crusher, welding machine, generator and light plant, gas and electric driven pump and air compressor.

GROUP 8: Boat & tug operator.

 ENGI0057-002 11/04/2013

	Rates	Fringes
Power Equipment Operator (highway construction projects; water and sewerline projects which are incidental to highway construction projects; and bridge projects that do not span water)		
GROUP 1.....	\$ 34.30	21.60+a
GROUP 2.....	\$ 29.00	21.60+a
GROUP 3.....	\$ 23.00	21.60+a
GROUP 4.....	\$ 29.58	21.60+a
GROUP 5.....	\$ 33.28	21.60+a
GROUP 6.....	\$ 32.90	21.60+a
GROUP 7.....	\$ 28.55	21.60+a
GROUP 8.....	\$ 29.93	21.60+a
GROUP 9.....	\$ 31.88	21.60+a

FOOTNOTE: a. Any employee who works three days in the week in which a holiday falls shall be paid for the holiday.

PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Digging machine, crane, piledriver, lighter, locomotive, derrick, hoist, boom truck, John Henry's, directional drilling machine, cold planer, reclaimer, paver, spreader, grader, front end loader (3 yds. and over), vacuum truck, test boring machine operator, veemere saw, water blaster, hydro-demolition robot, forklift, economobile, Ross Carrier, concrete pump operator and boats

Untitled

GROUP 2: well point installation crew

GROUP 3: Utility engineers and signal persons

GROUP 4: Oiler on cranes

GROUP 5: Combination loader backhoe, front end loader (less than 3 yds.), forklift, bulldozers & scrapers and boats

GROUP 6: Roller, skid steer loaders, street sweeper

GROUP 7: Gas and electric drive heater, concrete mixer, light plant, welding machine, pump & compressor

GROUP 8: Stone crusher

GROUP 9: Mechanic & welder

ENGI0057-003 12/01/2013

BUILDING CONSTRUCTION

	Rates	Fringes
Power Equipment Operator		
GROUP 1.....	\$ 35.42	21.60+a
GROUP 2.....	\$ 35.20	21.60+a
GROUP 3.....	\$ 31.20	21.60+a
GROUP 4.....	\$ 28.35	21.60+a
GROUP 5.....	\$ 34.50	21.60+a
GROUP 6.....	\$ 34.07	21.60+a
GROUP 7.....	\$ 31.39	21.60+a

BOOM LENGTHS, INCLUDING JIBS:

- 150 ft. and over: + \$ 2.00
- 180 ft. and over: + \$ 3.00
- 210 ft. and over: + \$ 4.00
- 240 ft. and over: + \$ 5.00
- 270 ft. and over: + \$ 7.00
- 300 ft. and over: + \$ 8.00
- 350 ft. and over: + \$ 9.00
- 400 ft. and over: + \$10.00

PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

FOOTNOTE: Hazmat work: \$2.00 per hour additional.
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Digging machine, Ross carrier, crane, boomtrucks, lighter, locomotive, derrick, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, front end loader (3 yds. and over), vibratory hammer and vacuum truck

GROUP 2: Telehandler equipment, forklift, concrete pump &

Untitled

on-site concrete plant

GROUP 3: Fireman & oiler

GROUP 4: Oiler on crawler backhoe

GROUP 5: Bulldozer, skid steer loaders, bobcats, tractor, grader, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile powered sweeper (3 yds. capacity), 8-ft. sweeper (minimum 65 hp)

GROUP 6: Well point installation crew

GROUP 7: Heater, concrete mixer, stone crusher, welding machine, generator for light plant, gas and electric driven pump & air compressor

* IRON0037-001 09/16/2013

	Rates	Fringes
IRONWORKER.....	\$ 33.11	22.62

* LAB00271-001 12/01/2013

BUILDING CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 27.55	22.45
GROUP 2.....	\$ 27.80	22.45
GROUP 3.....	\$ 28.30	22.45
GROUP 4.....	\$ 28.55	22.45
GROUP 5.....	\$ 29.55	22.45

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone Spreader, Pneumatic Tool Operator, Wagon Drill Operator, Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

* LAB00271-002 12/01/2013

HEAVY AND HIGHWAY CONSTRUCTION

Untitled
Rates Fringes

LABORER

COMPRESSED AIR

Group 1.....	\$ 44.73	20.20
Group 2.....	\$ 34.25	20.20
Group 3.....	\$ 46.73	20.20

FREE AIR

Group 1.....	\$ 36.80	20.20
Group 2.....	\$ 34.25	20.20
Group 3.....	\$ 38.80	20.20

LABORER

Group 1.....	\$ 27.55	20.70
Group 2.....	\$ 27.80	20.70
Group 3.....	\$ 28.55	20.70
Group 4.....	\$ 20.80	20.70
Group 5.....	\$ 29.55	20.70

OPEN AIR CAISSON,
UNDERPINNING WORK AND
BORING CREW

Bottom Man.....	\$ 33.30	20.20
Top Man & Laborer.....	\$ 32.35	20.20

TEST BORING

Driller.....	\$ 33.75	20.20
Laborer.....	\$ 32.25	20.20

LABORER CLASSIFICATIONS

GROUP 1: Laborer; Carpenter tender; Cement finisher tender; Wrecking laborer; Asbestos removers [non-mechanical systems]; Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping tamper; Chain saw operators; Concrete and power buggy operator; Concrete saw operator; Demolition burner; Fence and guard rail erector; Highway stone spreader; Laser beam operator; Mechanical grinder operator; Mason tender; Mortar mixer; Pneumatic tool operator; Riprap and dry stonewall builder; Scaffold erector; Setter of metal forms for roadways; Wagon drill operator; wood chipper operator; Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar powered drills; Brick paver; Block paver; Rammer and curb setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake person, track person, miner, grout person, lock tender, gauge tender, miner: motor person & all others in compressed air

GROUP 2: Change house attendant, powder watchperson, top person on iron

GROUP 3: Hazardous waste work within the "HOT" zone

Untitled

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the "HOT" zone

PAIN0011-005 06/01/2013

	Rates	Fringes
PAINTER		
Brush, Roller, Taper, Wall Coverer.....	\$ 30.00	18.37
Epoxy, Tanks, Towers, Swing Stage & Structural Steel.....	\$ 32.00	18.37
Spray, Sand & Water Blasting.....	\$ 31.00	18.37

PAIN0011-006 06/01/2013

	Rates	Fringes
GLAZIER.....	\$ 34.18	17.75

FOOTNOTES:

SWING STAGE: \$1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

PAIN0011-011 06/01/2013

	Rates	Fringes
Painter (Bridge Work).....	\$ 43.15	17.75

PAIN0035-008 06/01/2011

	Rates	Fringes
Sign Painter.....	\$ 24.79	13.72

PLAS0040-001 06/11/2012

BUILDING CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 30.50	23.35

Untitled

PLASTERER.....\$ 32.00 22.60

FOOTNOTE: Cement Mason: Work on free swinging scaffolds under 3 planks width and which is 20 or more feet above ground and any offset structure: \$.30 per hour additional.

PLAS0040-002 06/11/2012

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 30.50	23.35

PLUM0051-002 09/01/2013

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 35.21	27.12

ROOF0033-004 06/01/2013

	Rates	Fringes
ROOFER.....	\$ 32.48	19.27

SFRI0669-001 07/01/2013

	Rates	Fringes
SPRINKLER FITTER.....	\$ 39.76	19.87

SHEE0017-002 12/01/2012

	Rates	Fringes
Sheet Metal Worker.....	\$ 35.32	28.05

TEAM0251-001 05/01/2013

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 27.21	18.2625+A+B
GROUP 2.....	\$ 27.36	18.2625+A+B
GROUP 3.....	\$ 27.41	18.2625+A+B
GROUP 4.....	\$ 27.46	18.2625+A+B
GROUP 5.....	\$ 27.56	18.2625+A+B
GROUP 6.....	\$ 27.96	18.2625+A+B
GROUP 7.....	\$ 28.16	18.2625+A+B
GROUP 8.....	\$ 27.66	18.2625+A+B
GROUP 9.....	\$ 27.91	18.2625+A+B
GROUP 10.....	\$ 27.71	18.2625+A+B

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, plus Presidents' Day, Columbus Day, Veteran's Day & V-J Day, providing the employee has worked at least one day in the

calendar week in which the holiday falls.

B. Employee who has been on the payroll for 1 year or more but less than 5 years and has worked 150 Days during the last year of employment shall receive 1 week's paid vacation; 5 to 10 years - 2 weeks' paid vacation; 10 or more years - 3 week's paid vacation.

All drivers working on a defined hazard material job site shall be paid a premium of \$2.00 per hour over applicable rate.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Pick-up trucks, station wagons, & panel trucks

GROUP 2: Two-axle on low beds

GROUP 3: Two-axle dump truck

GROUP 4: Three-axle dump truck

GROUP 5: Four- and five-axle equipment

GROUP 6: Low-bed or boom trailer.

GROUP 7: Trailers when used on a double hook up (pulling 2 trailers)

GROUP 8: Special earth-moving equipment, under 35 tons

GROUP 9: Special earth-moving equipment, 35 tons or over

GROUP 10: Tractor trailer

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with

Untitled

characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

0000/9999: weighted union wage rates will be published annually each January.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Untitled

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

Table of Contents - Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

ItemCode	Description	Page
201.0401	REMOVE AND DISPOSE GRANITE CURB	1
201.0402	REMOVE AND DISPOSE CONCRETE CURB	1
201.0403	REMOVE AND DISPOSE SIDEWALKS	1
201.0407	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE	2
201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	2
201.0410	REMOVE AND DISPOSE CATCH BASINS	3
201.0412	REMOVE AND DISPOSE MANHOLE	3
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	3
201.0418	REMOVE AND DISPOSE HYDRANT	3
201.0419	REMOVE AND DISPOSE FENCE	3
201.0422	REMOVE AND DISPOSE DROP INLET	4
201.0423	REMOVE AND DISPOSE HANDHOLE	4
201.0428	REMOVE AND DISPOSE FRAME AND GRATE OR FRAME AND COVER	4
201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	4
201.9901	REMOVE AND DISPOSE/SALVAGE TRAFFIC SIGNAL SYSTEMS	5
202.0100	EARTH EXCAVATION	5
202.0700	COMMON BORROW	6
204.0100	TRIMMING AND FINE GRADING	6
206.0208	REMOVAL OF BALED HAY EROSION CHECKS	7
209.0110	BALED HAY CATCH BASIN INLET PROTECTION STANDARD 9.8.0	7
209.9901	CATCH BASIN INLET PROTECTION	7
212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	7
302.0100	GRAVEL BORROW SUBBASE COURSE	8
401.9901	CLASS 9.5 HMA	8
401.9902	CLASS 19 HMA	9
401.9903	HIGH FRICTION SURFACE TREATMENT	9
403.0300	ASPHALT EMULSION TACK COAT	9
501.0100	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN)	10
601.0300	CLASS A PORTLAND CEMENT CONCRETE	10
701.0612	REINFORCED CONCRETE PIPE M 170 CLASS V 12 INCH	11
702.0511	FRAME AND COVER STANDARD 6.1.0	11
702.0516	FRAME AND GRATE, HIGH CAPACITY, STANDARD 6.3.4	11
702.0517	FRAME AND GRATE, STANDARD 6.3.2	11
702.0522	FRAME AND COVER STANDARD 6.2.1	12
702.0530	PRECAST CONCRETE INLET STONE 5' STANDARD 7.1.5	12
702.0531	PRECAST CONCRETE INLET STONE 38'' STANDARD 7.1.6	12
702.0532	PRECAST CONCRETE APRON STONE 5' STANDARD 7.1.7	12
702.0541	GRANITE INLET STONE 38'' STANDARD 7.3.6	12
702.0605	PRECAST CATCH BASIN 4' DIAMETER STANDARD 4.4.0	13
702.0625	PRECAST CATCH BASIN 6' SQUARE STANDARD 4.3.0	13
702.0630	PRECAST MANHOLE 4' DIAMETER STANDARD 4.2.0	13
702.0702	CATCH BASIN TYPE 'D' SQUARE STANDARD 3.3.0	13
702.0704	CATCH BASIN TYPE 'F' SQUARE STANDARD 3.3.2	13
702.0705	CATCH BASIN W/GUTTER INLET STANDARD 3.4.1	14
702.0712	PRECAST CONCRETE DROP INLET STANDARD 4.5.0	14
702.0717	DOUBLE GRATE CATCH BASIN STANDARD 3.3.5	14
702.0723	SOLID BLOCK SHALLOW 5'-0" SQUARE CATCH BASIN STANDARD 3.5.1	14
704.0100	RECONSTRUCT CATCH BASIN/CORBEL CONES	14
704.0200	RECONSTRUCT MANHOLE/CORBEL CONES	15
706.9000	PLUG AND CAP PIPE ALL SIZES	15
707.0900	ADJUST MANHOLES TO GRADE	15
707.0950	ADJUST TELEPHONE MANHOLE TO GRADE	15
707.1000	ADJUST SANITARY MANHOLE	15
707.1100	ADJUST CATCH BASINS	15

Table of Contents - Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

ItemCode	Description	Page
707.1200	ADJUST CATCH BASIN TO MANHOLE	16
707.1900	ADJUST FRAME & COVER TO GRADE	16
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	16
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	16
708.9042	CLEANING MANHOLES ALL TYPES AND SIZES	17
711.0110	3'' PAVED WATERWAY CLASS I-1 STANDARD 8.4.0	17
712.0100	WATER GATE BOX	17
713.8269	ADJUST WATER GATE BOXES TO GRADE	17
713.8300	ADJUST GAS GATE BOXES TO GRADE	17
714.8163	POST TYPE HYDRANT	18
903.0204	CHAIN LINK FENCE 4' STANDARD 31.1.0	18
905.0110	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0	18
905.0115	PORTLAND CEMENT CONCRETE DRIVEWAY STANDARD 43.5.0	19
905.9901	FURNISH AND INSTALL TEXTURED CROSSWALK	19
906.0110	GRANITE CURB, QUARRY SPLIT STRAIGHT, STANDARD 7.3.0	19
906.0111	GRANITE CURB, QUARRY SPLIT CIRCULAR, STANDARD 7.3.0	19
906.0119	3' GRANITE TRANSITION CURB STANDARD 7.3.1	20
906.0120	GRANITE WHEELCHAIR RAMP CURB STANDARDS 7.3.3, 43.3.0 AND 43.3.1	20
906.0130	GRANITE RAMP STONE STRAIGHT STANDARD 7.3.9	20
906.0131	GRANITE RAMP STONE CIRCULAR STANDARD 7.3.9	20
906.0210	CEMENT CONCRETE CURB PRECAST STRAIGHT STANDARD 7.1.0	20
906.0211	CEMENT CONCRETE CURB PRECAST CIRCULAR STANDARD 7.1.0	21
906.0212	CEMENT CONCRETE CURB PRECAST 2' CORNER STANDARD 7.1.4	21
906.0221	6' PRECAST CONCRETE TRANSITION CURB STANDARD 7.1.2	22
906.0230	CEMENT CONCRETE SLOPE FACE CURB PRECAST STRAIGHT STANDARD 7.2.0	22
906.0231	CEMENT CONCRETE SLOPE FACE CURB PRECAST CIRCULAR STANDARD 7.2.0	22
906.0250	PRECAST CONCRETE WHEELCHAIR RAMP CURB STANDARDS 7.1.3, 43.3.0 AND 43.3.1	22
906.0262	PRECAST CONCRETE RAMP STONE 18-INCH STRAIGHT STANDARD 7.1.9	23
906.0263	PRECAST CONCRETE RAMP STONE 18-INCH CIRCULAR STANDARD 7.1.9	23
906.0280	3' PRECAST CONCRETE TRANSITION CURB STANDARD 7.1.1	23
906.0602	BITUMINOUS BERM STANDARD 7.5.1	24
906.0700	REMOVE, HANDLE, HAUL TRIM RESET CURB EDGING, STRAIGHT, CIRCULAR ALL TYPES	24
907.0100	WATER FOR DUST CONTROL	24
914.5010	FLAGPERSONS	24
914.5020	FLAGPERSONS - OVERTIME	25
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	25
923.0105	DRUM BARRICADE STANDARD 26.2.0	26
923.0125	PLASTIC PIPE TYPE III BARRICADE STANDARD 26.3.1	26
923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	26
924.0113	ADVANCE WARNING ARROW PANEL	26
928.0800	TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD	27
929.0110	FIELD OFFICE	27
932.0110	TRANSVERSE PAVEMENT CUT AND MATCH STANDARD 47.1.1	27
932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	28
932.0220	FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY	28
932.0230	FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY	29
935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	29

Table of Contents - Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

ItemCode	Description	Page
936.9901	MOBILIZATION/DEMobilIZATION	30
937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	30
942.9901	DETECTABLE WARNING PANEL	30
943.0200	TRAINEE MAN-HOURS	30
943.9901	CONTINUING EDUCATION CLASS	31
L01.0102	LOAM BORROW 4 INCHES DEEP	31
L01.9901	LOAM BORROW 12 INCHES DEEP	31
L02.0102	RESIDENTIAL SEEDING (TYPE 2)	31
L05.0505	EROSION CONTROL BLANKET	31
L06.9901	HEMEROCALLIS 'HAPPY RETURNS'/DAYLILY	32
L06.9902	SALVIA NEMEROSA 'MAY NIGHT'/MEADOW SAGE	32
L06.9903	PENNISETUM ALOPECUROIDES 'MOUDRY'/BLACK FOUNTAIN GRASS	32
L11.0102	TREE PLANT PROTECTION DEVICE STANDARD 51.1.0	32
T04.5001	6 AWG SINGLE CONDUCTOR CABLE 600V INSULATION	33
T04.5302	14 AWG 2 CONDUCTOR TWISTED SHIELDED CABLE	33
T04.5303	14 AWG 3 CONDUCTOR CABLE	33
T04.5305	14 AWG 5 CONDUCTOR CABLE	34
T04.5307	14 AWG 7 CONDUCTOR CABLE	34
T04.5309	14 AWG 9 CONDUCTOR CABLE	35
T04.9901	#19 AWG 6 PAIR TRAFFIC COMMUNICATIONS CABLE	35
T05.0100	PRECAST TYPE A HANDHOLE STANDARD 18.2.0	35
T05.0400	BREAK INTO EXISTING HANDHOLE	36
T06.1020	2 IN. RIGID STEEL CONDUIT - UNDERGROUND	36
T06.1030	3 IN. RIGID STEEL CONDUIT-UNDERGROUND	37
T06.2020	2 IN. RIGID STEEL CONDUIT-OVERHEAD	37
T06.3030	3 IN. RIGID STEEL CONDUIT-UNDER EXISTING PAVEMENT	37
T06.5120	2 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	38
T06.5130	3 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	38
T06.5320	2 INCH SCHEDULE 40 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	38
T06.5420	2 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	39
T06.5430	3 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDER EXISTING PAVEMENT	39
T06.6020	2 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT-OVERHEAD	39
T11.1030	30 FOOT GAL STEEL MAST ARM TRAFFIC SIGNAL POST AND FOUNDATION STD 19.2.0	40
T11.2008	TRAFFIC SIGNAL STANDARD, 8 FOOT, STD 19.4.0 ALUMINUM PEDESTAL POLE AND FOUNDATION	40
T11.2500	TRAFFIC SIGNAL STANDARD GALVANIZED STEEL AND FOUNDATION STANDARD 19.3.0	40
T11.6005	TETHER WIRE 5/16	40
T11.6006	SPAN AND MESSENGER WIRES 6/16	41
T11.9901	25 FOOT GAL STEEL MAST ARM TRAFFIC SIGNAL POST & FOUNDATION STD 19.2.0	41
T11.9902	DUAL MAST ARM (25X30) GAL STEEL TRAFFIC SIGNAL POST & FOUNDATION STD 19.2.0	41
T12.0018	ACTUATED CONTROLLER TS-2, TYPE 1 W/8 PHASE ASSEMBLY GROUND MOUNTED INCLUDING FOUNDATION AND CABINET STD. 19.1.0	41
T12.9150	METER SOCKET W/MANUAL BY-PASS	42
T12.9902	TRAFFIC SYSTEM SIGNAL MASTER	42
T12.9903	MODIFY EXISTING REMOTE COMPUTER STATIONS DATABASE	42
T12.9904	TRAFFIC SIGNAL DIAL-UP MODEM	42
T12.9905	GPS TIME SYNCHRONIZATION SYSTEM	43

Table of Contents - Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

ItemCode	Description	Page
T12.9906	ACTUATED CONTROLLER TS-2, TYPE 1 W/8 PHASE ASSEMBLY GROUND MOUNTED INCLUDING SIZE 'M' CABINET ON EXISTING FOUNDATION	43
T12.9907	INSTALL PHONE PANEL LIGHTING AND SURGE PROTECTION	43
T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD 19.6.0	44
T13.1004	TRAFFIC DETECTOR RELAY-LOOP 4 CHANNEL	44
T13.9901	ACCESSIBLE PEDESTRIAN DETECTION SYSTEM	45
T13.9902	HEAVY-DUTY PEDESTRIAN DETECTOR - PUSHBUTTON WITH SIGN	45
T14.3413	1 WAY 3 SECTION SPAN MOUNTED SIGNAL HEAD 12 INCH	46
T14.3416	1 WAY 4 SECTION SPAN MOUNTED SIGNAL HEAD 12 INCH (W/DUAL IND DUAL ROW L.E.D. ARROW)	46
T14.3423	2 WAY 3 SECTION SPAN MOUNTED SIGNAL HEAD 12 INCH	46
T14.3502	F&I 1 SECTION DUAL IND DUAL ROW L.E.D. ARROW 12 INCH TO EXISTING SIGNAL HEAD (MAST ARM MOUNTED)	46
T14.3513	1 WAY 3 SECTION MAST ARM MOUNTED SIGNAL HEAD 12 INCH	46
T14.3516	1 WAY 4 SECTION MAST ARM MOUNTED SIGNAL HEAD 12 INCH (W/DUAL IND DUAL ROW L.E.D. ARROW)	47
T14.9901	1-WAY BRACKET MOUNTED L.E.D. PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER, 12-INCH	47
T14.9902	1-WAY PEDESTAL MOUNTED L.E.D. PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER, 12-INCH	47
T14.9903	2 WAY PEDESTAL MOUNTED L.E.D. PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER, 12 INCH	48
T14.9904	2 WAY BRACKET MOUNTED L.E.D. PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER, 12 INCH	48
T14.9905	REMOVE AND RELOCATE EXISTING SIGNAL HEADS	48
T14.9906	1-WAY 4-SECTION SPAN MOUNTED SIGNAL HEAD, 12 INCH (W/SINGLE IND. SINGLE ROW L.E.D. ARROW)	48
T15.0100	DIRECTIONAL REGULATORY AND WARNING SIGNS	49
T15.0200	REMOVE AND RELOCATE DIRECTIONAL REGULATORY AND WARNING SIGN	52
T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	53
T20.9901	6 INCH WHITE TEMPORARY EPOXY RESIN PAVEMENT MARKINGS	53
T20.9902	12 INCH WHITE TEMPORARY EPOXY RESIN PAVEMENT MARKINGS	53
T20.9903	4 INCH YELLOW TEMPORARY EPOXY RESIN PAVEMENT MARKINGS	54
T20.9904	8 INCH YELLOW EPOXY RESIN PAVEMENT MARKINGS	55
T20.9905	ARROW STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0 TEMPORARY EPOXY RESIN PAVEMENT MARKINGS	55
T20.9906	WORD "ONLY" STANDARD 20.1.0 TEMPORARY EPOXY RESIN PAVEMENT MARKINGS	55
T20.9907	"SHARK TOOTH" YIELD LINE TEMPORARY EPOXY RESIN PAVEMENT MARKINGS	56
T20.9908	LANE TRANSITION ARROW TEMPORARY EPOXY RESIN PAVEMENT MARKINGS	56
T20.9909	REMOVE EXISTING PAVEMENT MARKINGS	56

Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

<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>
024	401.9901 Cont.	FROM ROADWAY AREAS		579.40	0021	01
		NEW LONDON AVENUE				
		FROM RI STD. 7.6.0		2.14	0021	01
		ROUTE 108				
		FROM ROADWAY AREAS		1,473.30	0021	01
		ROUTE 33/ROUTE 117				
		FROM RI STD. 7.6.0		4.30	0021	01
		WEST NATICK				
		FROM RI STD. 7.6.0		2.70	0021	01
Item 401.9901 Total:				2,100.00		
025	401.9902	CLASS 19 HMA	TON			
		AS DIRECTED BY ENGINEER				
		ADBE		9.90	0021	01
		FRENCHTOWN ROAD				
		FROM ROADWAY AREAS		527.00	0021	01
		ROUTE 108				
		FROM ROADWAY AREAS		253.10	0021	01
Item 401.9902 Total:				790.00		
S026	401.9903	HIGH FRICTION SURFACE TREATMENT	SY			
		ROUTE 33/ROUTE 117				
		ADBE			0021	01
		STA 300+62 TO STA 302+32			0021	01
		ROUTE 33/ROUTE 117				
		ADBE		7.00	0021	01
		STA 300+62 TO STA 302+32		293.00	0021	01
Item 401.9903 Total:				300.00		
027	403.0300	ASPHALT EMULSION TACK COAT	SY			
		AS DIRECTED BY ENGINEER				
		ADBE		85.00	0021	01
		FRENCHTOWN ROAD				

Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

<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>
027	403.0300 Cont.	ADBE		7.50	0021	01
		FROM ROADWAY AREAS		4,907.50	0021	01
		ROUTE 108				

Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

<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>
063	713.8300 Cont.	FRENCHTOWN ROAD				
		SOUTH COUNTY TRAIL		1.00	0021	01
		ROUTE 108				
		KINGSTOWN ROAD		3.00	0021	01
		MAIN STREET		1.00	0021	01
				Item 713.8300 Total:		5.00
064	714.8163	POST TYPE HYDRANT	EACH			
		ROUTE 108				
		STA 194+77.5 RT		1.00	0021	01
				Item 714.8163 Total:		1.00
065	903.0204	CHAIN LINK FENCE 4' STANDARD 31.1.0 LF				
		ROUTE 33/ROUTE 117				
		ADBE		7.10	0021	01
		WEST WARWICK AVE		172.90	0021	01
				Item 903.0204 Total:		180.00
066	905.0110	PORTLAND CEMENT SIDEWALK	CY			
		MONOLITHIC STANDARD 43.1.0				
		AS DIRECTED BY ENGINEER				
		ADBE		4.60	0021	01
		FRENCHTOWN ROAD				
		FRENCHTOWN ROAD AND SOUTH		25.30	0021	01
		COUNTY TRAIL				
		NEW LONDON AVENUE				
		NEW LONDON AVE		9.30	0021	01
		ROUTE 108				
		FROM CEMENT SIDEWALK AREAS		107.40	0021	01
		ROUTE 33/ROUTE 117				
		WASHINGTON STREET		30.80	0021	01
		WEST NATICK				
		WEST NATICK ROAD		8.80	0021	01

Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
066	905.0110	Cont.				
		Item 905.0110 Total:		186.20		
067	905.0115	PORTLAND CEMENT CONCRETE DRIVEWAY STANDARD 43.5.0	CY			
		AS DIRECTED BY ENGINEER				
		ADBE		5.40	0021	01
		FRENCHTOWN ROAD				
		FRENCHTOWN ROAD		9.80	0021	01
		ROUTE 108				
		FROM CEMENT DRIVEWAY AREAS		65.50	0021	01
		ROUTE 33/ROUTE 117				
		WASHINGTON STREET		42.30	0021	01
		Item 905.0115 Total:		123.00		
S068	905.9901	FURNISH AND INSTALL TEXTURED CROSSWALK	SF			
		ROUTE 108				
		DALE CARLIA INTERSECTION		2,925.00	0021	01
		Item 905.9901 Total:		2,925.00		
069	906.0110	GRANITE CURB, QUARRY SPLIT STRAIGHT, STANDARD 7.3.0	LF			
		ROUTE 33/ROUTE 117				
		ADBE		1.90	0021	01
		WASHINGTON STREET		13.10	0021	01
		Item 906.0110 Total:		15.00		
070	906.0111	GRANITE CURB, QUARRY SPLIT CIRCULAR, STANDARD 7.3.0	LF			
		ROUTE 33/ROUTE 117				
		ADBE		4.10	0021	01
		WASHINGTON STREET		25.90	0021	01
		Item 906.0111 Total:		30.00		

Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

<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>
084	906.0280	Cont. CURB STANDARD 7.1.1				
		FRENCHTOWN ROAD				
		FRENCHTOWN ROAD		4.00	0021	01
		ROUTE 108				
		KINGSTOWN ROAD		21.00	0021	01
		MAIN STREET		2.00	0021	01
Item 906.0280 Total:				27.00		
085	906.0602	BITUMINOUS BERM STANDARD 7.5.1	LF			
		ROUTE 108				
		ADBE		17.00	0021	01
		KINGSTOWN ROAD		2,433.00	0021	01
Item 906.0602 Total:				2,450.00		
086	906.0700	REMOVE, HANDLE, HAUL TRIM RESET	LF			
		CURB EDGING, STRAIGHT, CIRCULAR				
		ALL TYPES				
		ROUTE 33/ROUTE 117				
		ADBE		4.70	0021	01
		WASHINGTON STREET		300.30	0021	01
Item 906.0700 Total:				305.00		
087	907.0100	WATER FOR DUST CONTROL	MGAL			
		FROM NEW SIDEWALKS AND GRASSED				
		AREAS				
		FROM NEW SIDEWALKS AND		1,150.00	0021	01
		GRASSED AREAS				
Item 907.0100 Total:				1,150.00		
088	914.5010	FLAGPERSONS	MHRS			
		FROM TTC PLANS				
		FROM ALL LOCATIONS/WORK		2,000.00	0021	01

Distribution of Quantities

Project Name - High Hazard - Intersections (South) Short Term Improvements
 Estimate Name - Addendum to Highway Safety Improvement Program
 R.I. Contract No. - 2012-CT-104
 FAP Nos: STPG-HSIP(003)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
088	914.5010	Cont.				
		Item 914.5010 Total:		2,000.00		
089	914.5020	FLAGPERSONS - OVERTIME	MHRS			
		FROM TTC PLANS				
		FROM ITEM 914.5010 (X20%)		700.00	0021	01
		Item 914.5020 Total:		700.00		
090	922.0100	TEMPORARY CONSTRUCTION SIGNS	SF			
		STANDARD 29.1.0 AND 27.1.1				
		AS DIRECTED BY ENGINEER				
		ADBE		9.25	0021	01
		FROM TTC PLANS				
		(G2-20) X7		31.50	0021	01
		(R3-7L) X4		25.00	0021	01
		(R3-7R) X4		25.00	0021	01
		(R4-7) X7		35.00	0021	01
		(R9-10) X2		4.00	0021	01
		(R9-11) X2		6.00	0021	01
		(R9-11A) X2		4.00	0021	01
		(R9-11AL) X1		2.00	0021	01
		(R9-11AR) X1		2.00	0021	01
		(R9-8) X2		9.00	0021	01
		(R9-9) X5		10.00	0021	01
		(W11-2) X6		54.00	0021	01
		(W12-1) X1		6.25	0021	01
		(W13-1P) X4		16.00	0021	01
		(W1-4L) X2		18.00	0021	01
		(W1-4R) X2		18.00	0021	01
		(W16-7P) X4		8.00	0021	01
		(W16-9P) X2		4.00	0021	01
		(W20-1) X11		99.00	0021	01
		(W20-4) X11		99.00	0021	01