

April 4, 2012

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF TRANSPORTATION  
RHODE ISLAND CONTRACT NO.2012-CB-046  
FEDERAL-AID PROJECT NO. FAP Nos: BRO-0200(007)

**Washington #200 - Pedestrian Bridge & Warren Avenue Bridge #464**

Gano Street (Providence) to Warren Avenue (East Providence)  
CITY/TOWN OF East Providence, Providence  
COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 3 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

**A. Clarification**

1. SEQUENCE OF CONSTRUCTION AND SCHEDULE

For Warren Avenue Bridge No. 464, steel fabrication shall be completely fabricated and delivered at the time of bridge demolition. Storage for girders is available on the State property under Washington Bridge Nos. 200 and 700, west of Water Street.

2. TRANSVERSE GROOVING OF BRIDGE DECK

Transverse grooving of the bridge decks shall be required as per 808.03.11 Concrete Finishes.

3. CODE 808.9909 CONCRETE SUBSTRUCTURE CLASS MC PIER STEMS

Pier 6A 6B, 7A and 7B shall be Class MC Concrete from the existing pier base to the bridge seat.

4. CODE 501.9901 CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT

Verification coring shall conform to subsection 501.03.18; Tolerance in Pavement or Base Thickness of the RIDOT Standard Specifications for Road and Bridge Construction, Amended December 2010. The continuously reinforced portland cement concrete pavement area shall be considered an entrance which will be considered as one unit.

**B. Drawings/Plans - Change/Addition**

1. SET 3 SHEET NO. 6 - TYPICAL SECTION 1  
Modify the plan as shown on Sketch No. 1 attached to this Addendum No. 3. Concrete surface protective coating with color tinting has been added to the substructure and Span 14 & 15.
2. SET 3 SHEET NO. 15 - BRIDGE GENERAL PLAN AND ELEVATION 6  
Modify the plan as shown on Sketch No. 2 attached to this Addendum No. 3. Spans receiving the concrete surface treatment on the arch ribs have been clarified.
3. SET 3 SHEET NO. 16 - BRIDGE GENERAL PLAN AND ELEVATION 7  
Modify the plan as shown on Sketch No. 3 attached to this Addendum No. 3. Spans receiving the concrete surface treatment on the arch ribs have been clarified.
4. SET 3 SHEET NO. 18 - BRIDGE GENERAL PLAN AND ELEVATION 9  
Modify the plan as shown on Sketch No. 4 attached to this Addendum No. 3. Concrete surface treatment will be applied to the south cope, Pier 14 columns and the east abutment.
5. SET 3 SHEET NO. 43 – EAST ABUTMENT PLAN AND ELEVATION  
Modify the plan as shown on Sketch No. 5 attached to this Addendum No. 3. Concrete surface treatment will be applied to the east abutment.
6. SET 3 SHEET NO. 57 – PIER 6A AND 7B  
Modify the plan as shown on Sketch No. 6 attached to this Addendum No. 3. Concrete surface protective coating with color tinting has been added to the piers.
7. SET 3 SHEET NO. 58 – PIER 6B AND 7A  
Modify the plan as shown on Sketch No. 7 attached to this Addendum No. 3. Concrete surface protective coating with color tinting has been added to the piers.
8. SET 3 SHEET NO. 68 - SPAN 6A AND 7A PRESTRESSED BEAM DETAILS 1  
Modify the plan as shown on Sketch No. 8 attached to this Addendum No. 3. Beam B3 is shown as an existing beam. Note No. 3 has been added.
9. SET 3 SHEET NO. 70 - SPAN 6A AND 7A BEARING DETAILS  
Delete Sheet No. 70 in its entirety and replace it with Sheet No. 70 (R-1) attached to this Addendum No. 3. The bearing locations have been clarified.
10. SET 3 SHEET NO. 76 – PLAZA SPANS DECK DETAILS 2  
Modify the plan as shown on Sketch No. 9 attached to this Addendum No. 3. The cut line location has been have been revised.
11. SET 3 SHEET NO. 95 – JOINT ELIMINATION DETAILS  
Modify the plan as shown on Sketch No. 10 attached to this Addendum No. 3. Reinforcing steel and splice are be clarified.
12. SET 3 SHEET NO. 103 – DECK DETAILS AT SCUPPERS AND DRAINS  
Delete Sheet No. 103 in its entirety and replace it with Sheet Nos. 103 (R-1) attached to this Addendum No. 3. The subpavement drain details have been revised.

13. SET 3 SHEET NO. 104 - SPAN 14 AND 15 BEARING REPLACEMENT

Delete Sheet No. 104 in its entirety and replace it with Sheet Nos. 104 (R-1) attached to this Addendum No. 3. The drawing has been restored.

14. SET 3 SHEET NO. 137 – UTILITY SUPPORT DETAILS 1

Modify the plan as shown on Sketch No. 11 attached to this Addendum No. 3. Note 5 has been modified.

15. SET 3 SHEET NO. 151 – MORTAR COATING STEEL REPAIRS

Modify the plan as shown on Sketch No. 12 attached to this Addendum No. 3. Concrete surface protective coating with color tinting has been added south girder cope and the Pier 14 columns.

16. SET 3 SHEET NO. 164 - GANO STREET STAIRWAY REPAIR

Modify the plan as shown on Sketch No. 13 attached to this Addendum No. 3. Note 8 has been revised.

17. SET 3 SHEET NO. 168 – SPANDREL WALL REPAIRS 4

Modify the plan as shown on Sketch No. 14 attached to this Addendum No. 3. Concrete surface protective coating with color tinting has been added to the state shields.

18. SET 3 SHEET NO. 21– DEMOLITION SECTIONS 1

Modify the plan as shown on Sketch No. 15 attached to this Addendum No. 3. Concrete surface protective coating with color tinting has been added to the state shields.

19. SET 3 SHEET NO. 85– COLUMN LOCATION REPLACEMENT PLAN 1

Modify the plan as shown on Sketch No. 16 attached to this Addendum No. 3. Note 1 has been modified.

20. SET 3 SHEET NO. 161 PIER REPAIRS 7

Delete Sheet No. 161 in its entirety and replace it with Sheet Nos. 161 (R-1) attached to this Addendum No. 3. Concrete protective coating has been added to the piers.

**C. General Provisions – Contract Specific**

1. Index

Delete page i in its entirety and replace it with page i (R-1) attached to this Addendum No. 3. Appendix I has been added.

2. NOTICE TO CONTRACTORS

Delete pages CS-9 and CS-10 in their entirety and replace them with pages CS-9 (R-1) and page CS-10 (R-1) attached to this Addendum No. 3. Notices B, F, H and I have been revised.

3. SEQUENCE OF CONSTRUCTION AND SCHEDULE

Delete pages CS-11 and CS-12 in their entirety and replace them with pages CS-11 (R-1) and CS-12 (R-1) attached to this Addendum No. 3. Paragraph 5 has been revised. Paragraph 16 has been added.

4. Appendix C  
Add pages 33a and 33b attached to this Addendum No. 3. The USCG General Construction Requirements have been added.
5. Appendix E  
Add pages 43a and 43 b attached to this Addendum No. 3. The approved Asbestos Abatement Plan has been added.
6. Appendix G  
Delete page CS-252 in its entirety and replace it with page CS-252 (R-1) attached to this Addendum No. 3. PCB removal plan and Executed SWPPP with Certifications of all contractor personnel and subcontractor personnel have been added to the submittal list.
7. Appendix I  
Add pages CS-271 to CS-274 attached to this Addendum No. 3. The Sole Source Price Guarantee has been added as Appendix I.

**D. General Provisions – Job Specific**

1. CODE 803.9905 REMOVE AND DISPOSE EXISTING CONCRETE SUPERSTRUCTURE-WASHINGTON BRIDGE NO. 200  
Delete pages JS-75 to JS-77 in their entirety and replace them with pages JS-75 (R-1) to JS-77 (R-1) attached to this Addendum No. 3. Coring for conduit installation is included in this item.
2. CODE 803.9910 REMOVE AND DISPOSE EXISTING TEMPORARY SHORING-WASHINGTON BRIDGE NO. 200  
Delete page JS-79 in its entirety and replace it with page JS-79 (R-1) attached to this Addendum No. 3. The stockpile quantity has been updated.
3. CODE 808.9930 CONCRETE SUBSTRUCTURE CLASS MC PIERS COLUMNS AND CAPS AND 808.9940 CONCRETE SUPERSTRUCTURE CLASS HP PARAPETS  
Delete page JS-121 in its entirety and replace it with page JS-121 (R-1) attached to this Addendum No. 3. Codes 808.9930 and 808.9940 have been added.
4. CODE 820.9901 CONCRETE SURFACE TREATMENT PROTECTIVE COATING WITH COLOR TINTING  
Delete page JS-163 in its entirety and replace it with page JS-163 (R-1) attached to this Addendum No. 3. The locations for color tinting have been expanded.
5. CODE 820.9902 CLEAR CONCRETE PENETRATING SEALANT  
Delete page JS-165 in its entirety and replace it with page JS-165 (R-1) attached to this Addendum No. 3. Surface preparation paragraph has been modified.
6. CODE 824.9906 REPAIRS TO STRUCTURAL STEEL  
Delete page JS-170 in its entirety and replace it with page 170 (R-1) attached to this Addendum No. 3. Payment shall be by lump sum.
7. CODE 824.9911 FURNISH AND INSTALL UTILITY SUPPORT  
Delete page JS-189 in its entirety and replace it with page JS-189 (R-1) attached to this Addendum No. 3. The measurement and payment have been revised in the specification.

8. CODE 938.1000 PRICE ADJUSTMENTS

Delete page JS-331 in its entirety and replace it with page JS-331 (R-1) attached to this Addendum No. 3. The prices have been revised.

9. CODE T12.9901 MAINTENANCE OF TRAFFIC SIGNAL SYSTEMS

Delete pages JS-418 and JS-419 in their entirety and replace them with pages JS-418 (R-1) and JS-419 (R-1) attached to this Addendum No. 3. The only acceptable bid price has been added.

**E. Distribution of Quantities**

1. Index

Delete pages 1 through 8 in their entirety and replace them with page 1 (R-1) through page 8 (R-1) attached to this Addendum No. 3. The index has been revised.

2. 800.9901 FURNISH FABRICATE, INSTALL, AND REMOVE TEMPORARY PROTECTIVE SHIELD

Delete page 16 in its entirety and replace it with revised page 16 (R-1) and page 16a attached to this Addendum No. 3. The quantity has been revised.

3. 808.0602 - CONCRETE SUBSTRUCTURE CLASS HP 3/4" BACKWALLS

Delete page 23 in its entirety and replace it with revised page 23 (R-1) attached to this Addendum No. 3. The item has been deleted.

4. 808.9907 CONCRETE SUBSTRUCTURE CLASS HP WALL STEMS

Delete page 30 in its entirety and replace it with revised page 30 (R-1) attached to this Addendum No. 3. The Warren Avenue Bridge No. 464 station description has been revised.

5. 808.9916 - CONCRETE SUPERSTRUCTURE CLASS XX PARAPETS

Delete page 35 in its entirety and replace it with revised page 35 (R-1) attached to this Addendum No. 3. The quantity has been revised.

6. 808.9919 - CONCRETE SUPERSTRUCTURE CLASS XX WALLS

Delete page 36 in its entirety and replace it with revised page 36 (R-1) attached to this Addendum No. 3. The quantity has been revised.

7. 820.0200 - HIGH PRESSURE WATER CLEANING OF CONCRETE SURFACES and 820.9901 CONCRETE SURFACE TREATMENT PROECTIVE COATING WITH COLOR TINT

Delete page 44 in its entirety and replace it with revised page 44 (R-1) and page 44a attached to this Addendum No. 3. Additional locations shall receive the pressure washing and concrete surface treatment.

8. 823.1750 - ASPHALTIC EXPANSION JOINT SYSTEM

Delete page 45 in its entirety and replace it with revised page 45 (R-1) attached to this Addendum No. 3. The item has been deleted.

9. 824.0610 - WELDED STUD SHEAR CONNECTORS 7/8 INCH DIAMETER

Delete page 46 in its entirety and replace it with revised page 46 (R-1) attached to this Addendum No. 3. The quantity has been revised.

10. 825.8025 - SURFACE PREPARATION TO SSPC-SP6 STANDARDS and 825.8040 - PAINTING EXISTING STRUCTURAL STEEL

Delete pages 48 and 49 in their entirety and replace them with revised page 48 (R-1), page 48a, and revised page 49 (R-1) attached to this Addendum No. 3. The quantities have been revised.

11. 830.9904 - STEEL FENCE TYPE 1D and 830.9905 - STEEL RAILING INFILL PANELS - SWITCHBACK RAILING AT GANO STREET

Delete page 53 in its entirety and replace it with revised page 53 (R-1) attached to this Addendum No. 3. The quantities have been revised.

12. Item Codes 808.9930, 808.9940 and T12.0004

Delete page 95 in its entirety and replace it with revised page 95 (R-1) and page 96 attached to this Addendum No. 3. The Items have been added.



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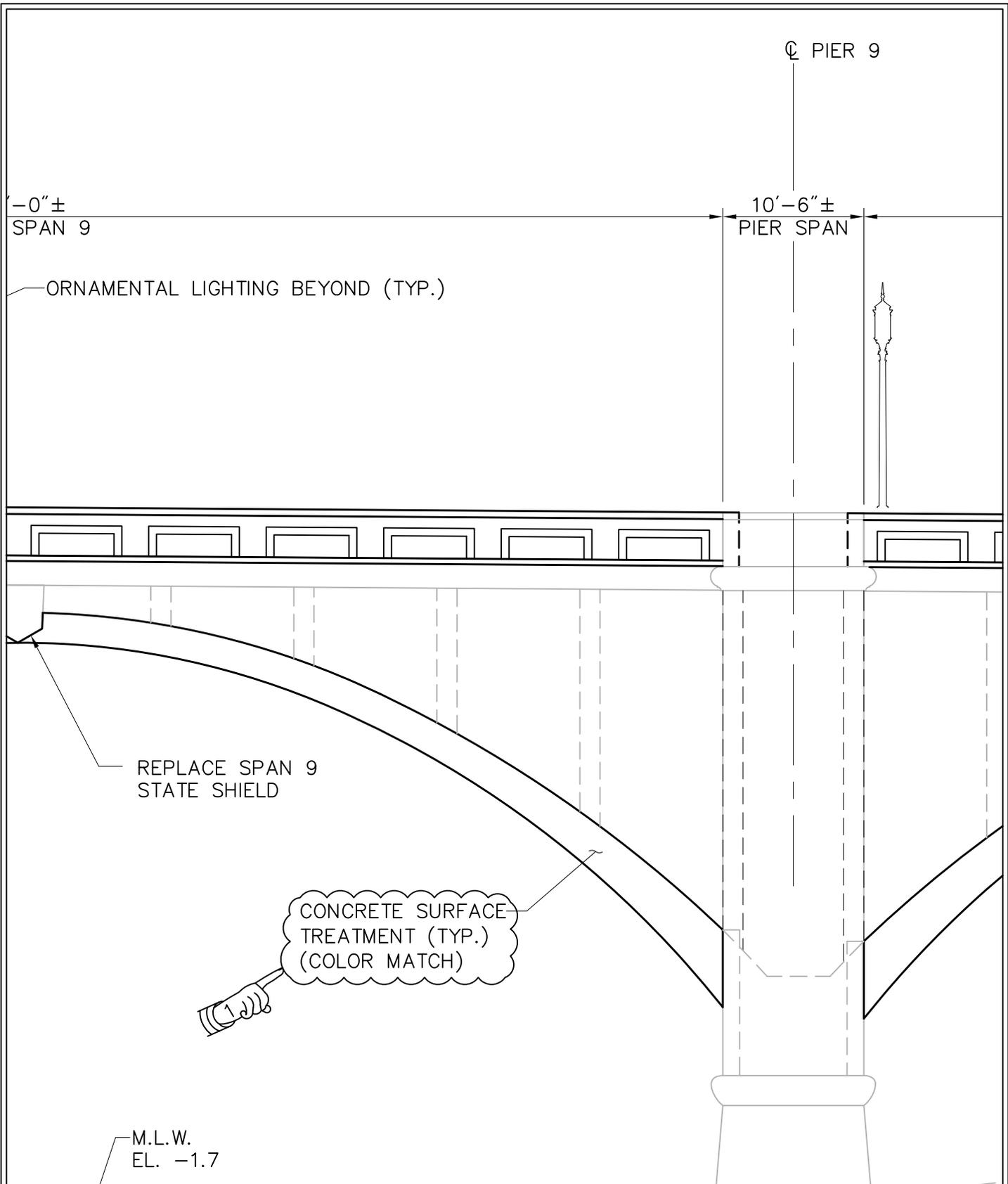
RI Department of Transportation  
Chief Engineer

## NOTES

1. THE ARCHES, ABUTMENTS, PIERS, STATE SHIELDS, PIER 14 COLUMNS AND SPAN 14 & 15 BOTTOM FLANGE COPE SHALL RECEIVE A COLOR MATCHED CONCRETE SURFACE TREATMENT PROTECTIVE COATING. ALL CONCRETE SURFACES SHALL RECEIVE TWO COATS OF THE CONCRETE SURFACE TREATMENT PROTECTIVE COATING.
2. CONCRETE SURFACE TREATMENT SHALL BE COLOR MATCHED AS DETERMINED BY THE R.I.C. 2001-CB-051 "WASHINGTON BRIDGE TRIAL ARCH REPAIRS" PROJECT.
3. PROTECTIVE SHIELDING SHALL BE IN PLACE PRIOR TO PRESSURE WASHING ACTIVITIES.
4. PRESSURE WASHING SHALL BE PAID FOR UNDER ITEM CODE 820.0200 "HIGH PRESSURE WATER CLEANING OF CONCRETE SURFACES".
5. THE CONTRACTOR SHALL MANAGE WASH WATER SO THAT IT DOES NOT LEAVE THE SITE IN AN EROSION MANNER.
6. CONTRACTOR SHALL PROVIDE A COLOR MATCH SUBMITTAL IN ACCORDANCE WITH ITEM CODE 820.9901 "CONCRETE SURFACE TREATMENT PROTECTIVE COATING WITH COLOR TINT".
7. THE ARCH SURFACES SHALL BE PREPARED FOR PROTECTIVE COATING IN ACCORDANCE WITH ITEM CODE 820.0200 "HIGH PRESSURE WATER CLEANING OF CONCRETE SURFACES" PRIOR TO SURFACE TREATMENT.
8. THE CONCRETE SURFACE TREATMENT PROTECTIVE COATING SHALL BE A WATER-BASED TWO-PART EPOXY FILM FORMING SEALER IN ACCORDANCE WITH SECTION 820 AND SHALL BE ON THE RIDOT APPROVED MATERIAL LIST. THE APPROVED COLOR TINT OF CONCRETE SURFACE TREATMENT PROTECTIVE COATING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.



	<b>REVISION TO TYPICAL SECTION 1</b>	<b>RI CONTACT NO. 2012-CB-046</b>	<b>SKETCH NO.  1</b>
<b>APRIL 2, 2012</b>	<b>ADDENDUM NUMBER 3</b>	<b>REVISION TO SHEET NO. 6</b>	



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

**REVISION TO  
 BRIDGE GENERAL PLAN  
 AND ELEVATION 6**

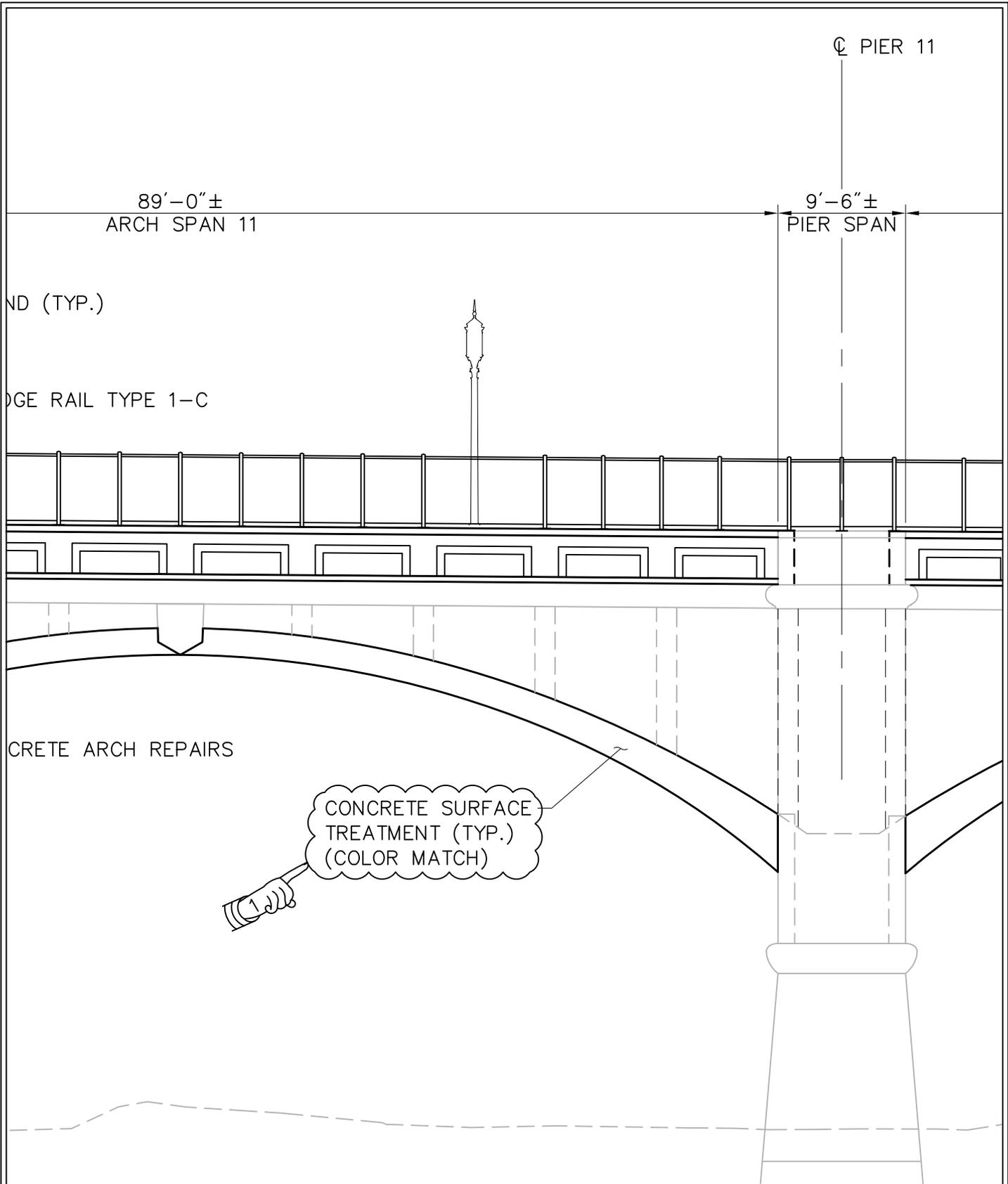
**RI CONTACT  
 NO.  
 2012-CB-046**

**SKETCH NO.  
 2**

APRIL 2, 2012

ADDENDUM NUMBER 3

REVISION TO SHEET NO. 15



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

**REVISION TO  
BRIDGE GENERAL PLAN  
AND ELEVATION 7**

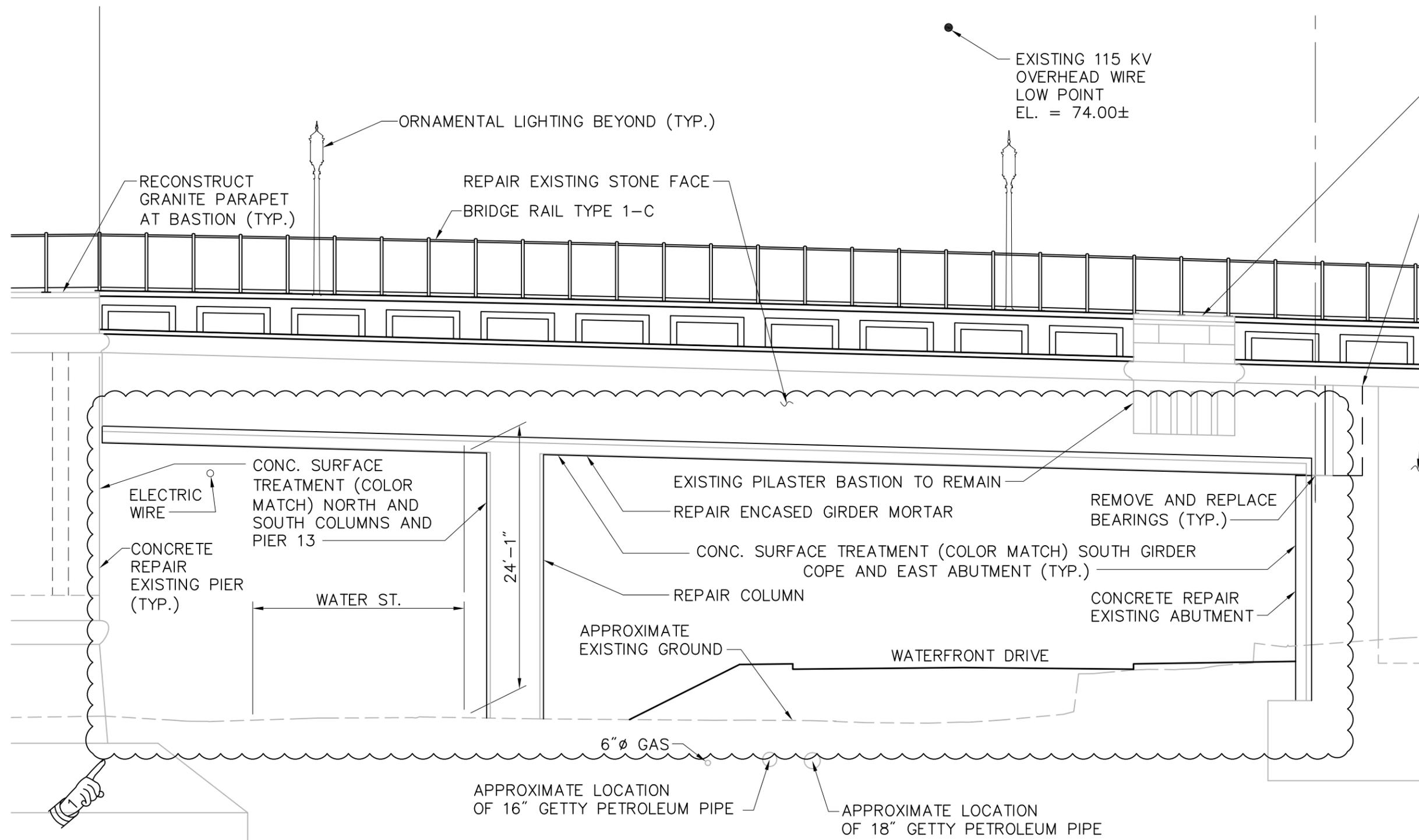
**RI CONTACT  
NO.  
2012-CB-046**

**SKETCH NO.  
3**

**APRIL 2, 2012**

**ADDENDUM NUMBER 3**

**REVISION TO SHEET NO. 16**



 <b>VANASSE HANGEN BRUSTLIN, INC.</b> TRANSPORTATION LAND DEVELOPMENT ENVIRONMENTAL SERVICES PROVIDENCE, RHODE ISLAND	<b>REVISION TO          BRIDGE GENERAL PLAN          AND ELEVATION 9</b>	<b>RL CONTACT          NO.</b> 2012-CB-046	<b>SKETCH NO.</b> 4
	APRIL 2, 2012	ADDENDUM NUMBER 3	REVISION TO SHEET NO. 18

**NOTES:**

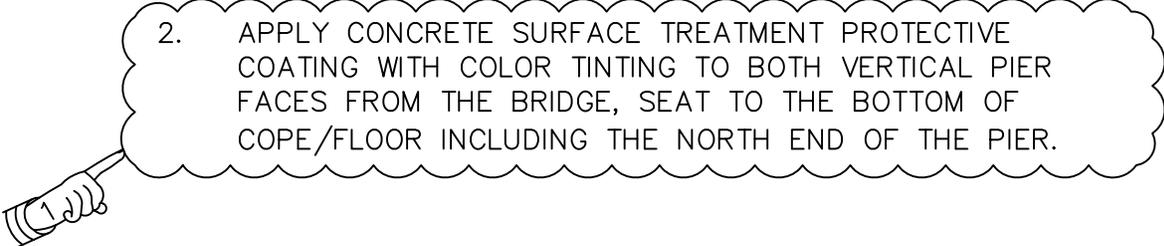
1. UTILITY SLEEVE PIPES ARE TO BE INSTALLED PRIOR TO CASTING OF BACKWALL. THE FULL LENGTH OF SLEEVE PIPE SHALL BE INSTALLED AND HELD IN PROPER ALIGNMENT. SEE REINFORCING DETAIL AT OPENING SHEET NO. 44.
2. PRIOR TO POURING ENGINEERED LIGHTWEIGHT FILL, BLAST CLEAN EXISTING CONCRETE SURFACE BY POWER WASHING. COST OF CLEANING SHALL BE INCLUDED IN THE COST OF ITEM 603.9901 "ENGINEERED LIGHTWEIGHT FILL".
3. GEOMEMBRANE SHALL BE PLACED ON TOP OF ENGINEERED LIGHTWEIGHT FILL. LAP MEMBRANE 12" UP FACE OF PROPOSED WALL STEM AND 12" DOWN FACE OF EXISTING WALL STEM. GEOMEMBRANE SHALL BE PAID FOR UNDER ITEM 203.9901 "GEOTEXTILE (HDPE GEOMEMBRANE)".
4. COORDINATE WEEPHOLE INVERT ELEVATION WITH FINAL GROUND ELEVATION OF PROJECT 2010-CH-083 WATERFRONT DRIVE.
5. THE VERTICAL FACE OF THE EAST ABUTMENT SHALL RECEIVE CONCRETE SURFACE TREATMENT PROTECTIVE COATING WITH COLOR TINT AT THE NEW AND EXISTING CONCRETE FROM THE BRIDGE SEAT TO EXISTING GROUND.



 <b>VANASSE HANGEN BRUSTLIN, INC.</b> TRANSPORTATION LAND DEVELOPMENT ENVIRONMENTAL SERVICES PROVIDENCE, RHODE ISLAND	<b>REVISION TO EAST ABUTMENT PLAN AND ELEVATION</b>	<b>R.I. CONTACT NO.</b>	<b>SKETCH NO.</b>
		2012-CB-046	5
APRIL 2, 2012	ADDENDUM NUMBER 3	REVISION TO SHEET NO. 43	

## NOTES

1. ALL EXPOSED CONCRETE SURFACES SHALL RECEIVE A RUBBED SURFACE FINISHING.



2. APPLY CONCRETE SURFACE TREATMENT PROTECTIVE COATING WITH COLOR TINTING TO BOTH VERTICAL PIER FACES FROM THE BRIDGE, SEAT TO THE BOTTOM OF COPE/FLOOR INCLUDING THE NORTH END OF THE PIER.



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

### REVISION TO PIER 6A AND 7B DETAILS

RI CONTACT  
NO.

2012-CB-046

SKETCH NO.

6

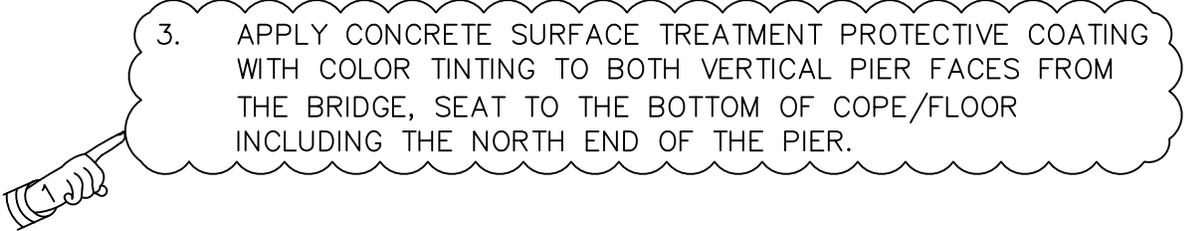
MARCH 30, 2012

ADDENDUM NUMBER 3

REVISION TO SHEET NO. 57

## NOTES

1. ALL EXPOSED CONCRETE SURFACES SHALL RECEIVE A RUBBED REGULAR SURFACE FINISHING.
2. THE COST FOR DRILLING THE CONCRETE WALL AND FLOOR SLAB OF THE OPERATOR'S HOUSE TO INSTALL 2"Ø CONDUITS SHALL BE INCLUDED IN THE COST OF ITEM CODE 803.9905 "REMOVE AND DISPOSE EXISTING CONCRETE SUPERSTRUCTURE – WASHINGTON BRIDGE NO. 200".

- 
3. APPLY CONCRETE SURFACE TREATMENT PROTECTIVE COATING WITH COLOR TINTING TO BOTH VERTICAL PIER FACES FROM THE BRIDGE, SEAT TO THE BOTTOM OF COPE/FLOOR INCLUDING THE NORTH END OF THE PIER.



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TRANSPORTATION LAND DEVELOPMENT  
ENVIRONMENTAL SERVICES  
PROVIDENCE, RHODE ISLAND

### REVISION TO PIER 6B AND 7A DETAILS

RI CONTACT  
NO.

2012-CB-046

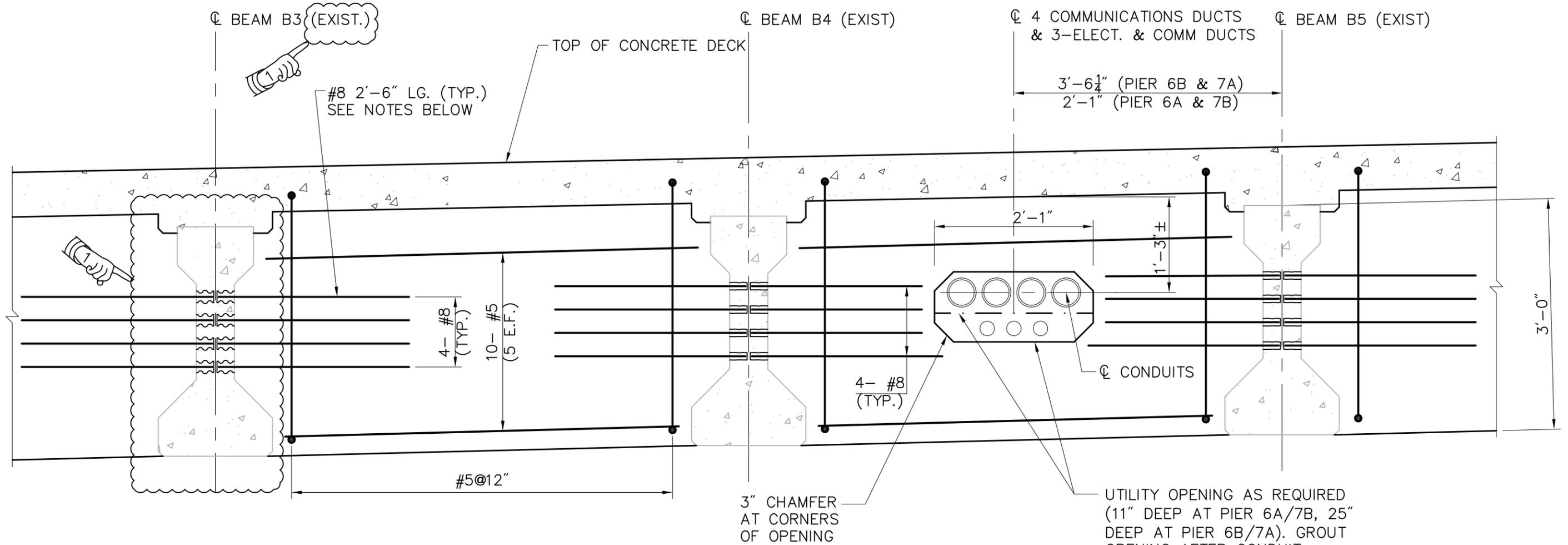
SKETCH NO.

7

APRIL 2, 2012

ADDENDUM NUMBER 3

REVISION TO SHEET NO. 58



**NOTES**

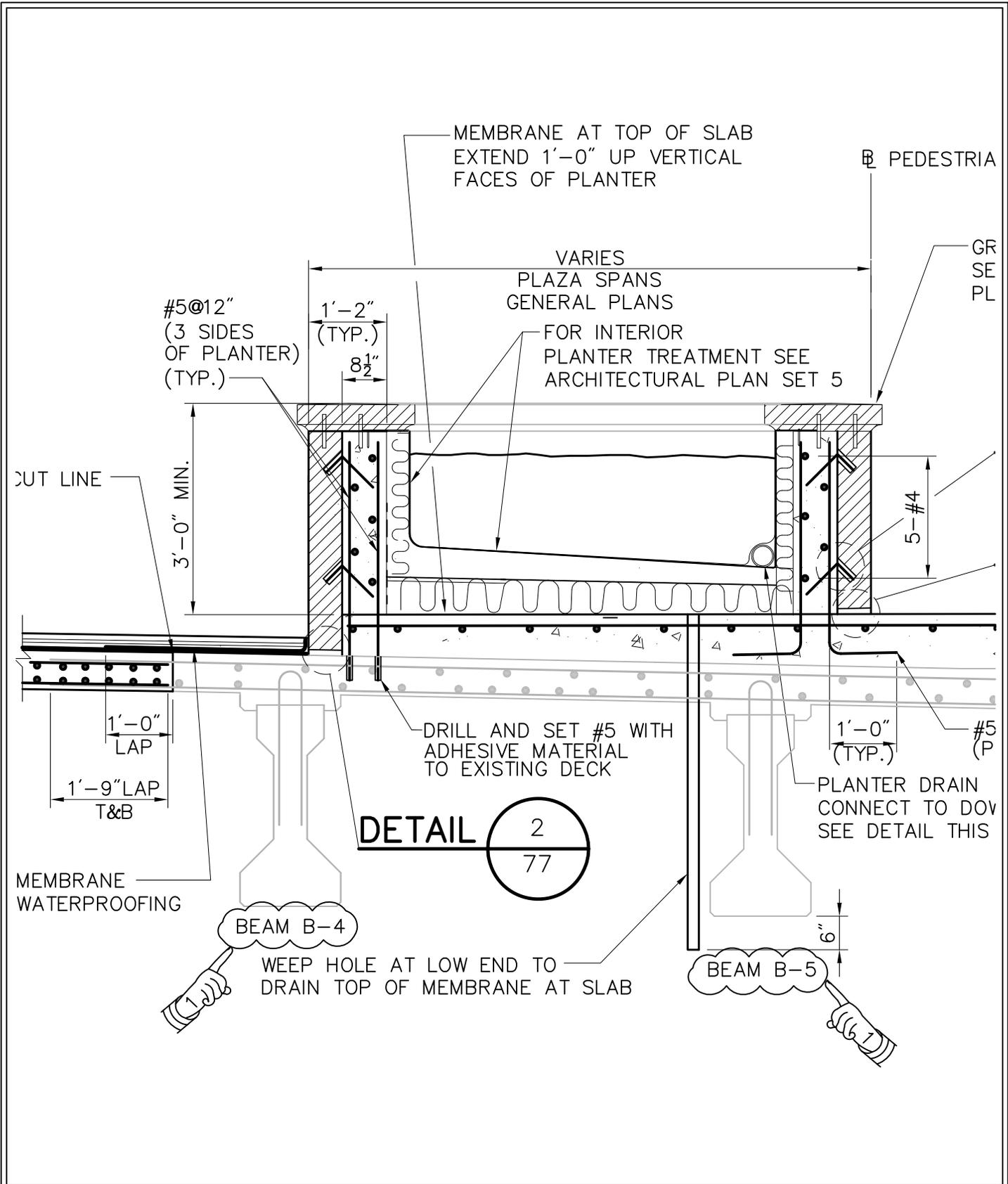
1. FOR EXISTING BEAM, MAINTAIN EXISTING DOWEL BAR DURING DEMOLITION OF END DIAPHRAGM. CLEAN AND BLAST CLEAN RUSTED REBARS AS NEEDED.

2. AT UTILITY OPENING, MAINTAINS 2" CLR FOR DOWEL BAR.

3. END DIAPHRAGM CONCRETE SHALL BE INCLUDED UNDER ITEM CODE 808.9915 "CONCRETE SUPERSTRUCTURE CLASS HP BRIDGE DECKS".

 <b>VANASSE HANGEN BRUSTLIN, INC.</b> TRANSPORTATION LAND DEVELOPMENT ENVIRONMENTAL SERVICES PROVIDENCE, RHODE ISLAND	<b>REVISION TO          SPAN 6A AND 7A          PRESTRESSED BEAM          DETAILS 1</b>	<b>RL CONTACT          NO.</b>  2012-CB-046	<b>SKETCH NO.</b>  8
	APRIL 2, 2012	ADDENDUM NUMBER 3	REVISION TO SHEET NO. 68






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

**REVISION TO  
 PLAZA SPANS  
 DECK DETAILS 2**

**RI CONTACT  
 NO.**  
**2012-CB-046**

**SKETCH NO.**  
**9**

**APRIL 2, 2012**

**ADDENDUM NUMBER 3**

**REVISION TO SHEET NO. 76**

**NOTES**

1. MECHANICAL COUPLERS SHALL BE ZAP SCREWLOK SYSTEM (OR APPROVED EQUAL) AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PAYMENT FOR COUPLERS SHALL BE INCLUDED UNDER ITEM CODE 810.9901.
2. MECHANICAL COUPLERS SHALL BE INSTALLED WITH SCREW HEAD ORIENTATED SUCH THAT A MAXIMUM CONCRETE COVER IS ATTAINED.
3. PROPOSED SPLICE BAR (DETAIL 1) SHALL BE UNCOATED ASTM A706 REINFORCING STEEL. THE UNCOATED REINFORCING STEEL AND WELDED FIELD SPLICE SHALL BE PAID FOR UNDER ITEM CODE 810.9901.



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ENVIRONMENTAL SERVICES  
PROVIDENCE, RHODE ISLAND

**REVISION TO  
JOINT ELIMINATION  
DETAILS**

**RI CONTACT  
NO.**

**2012-CB-046**

**SKETCH NO.**

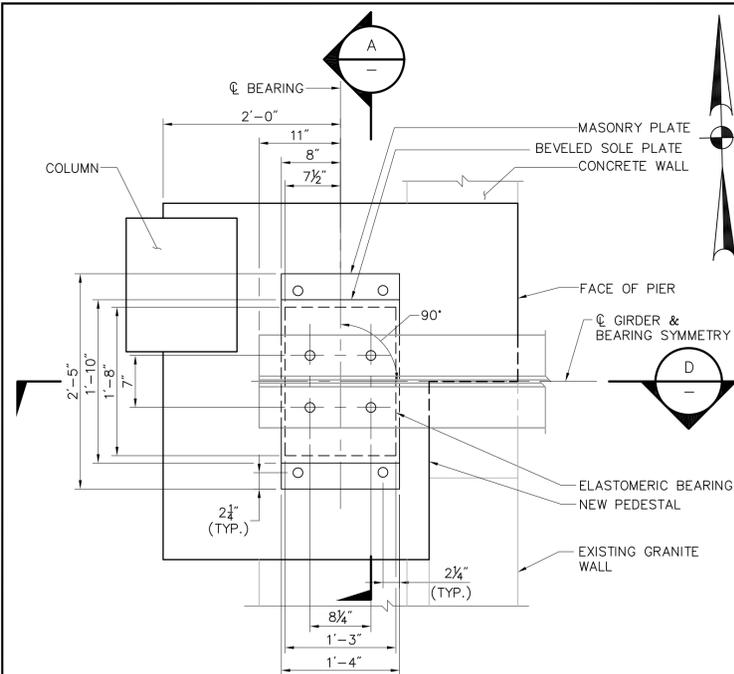
**10**

**APRIL 2, 2012**

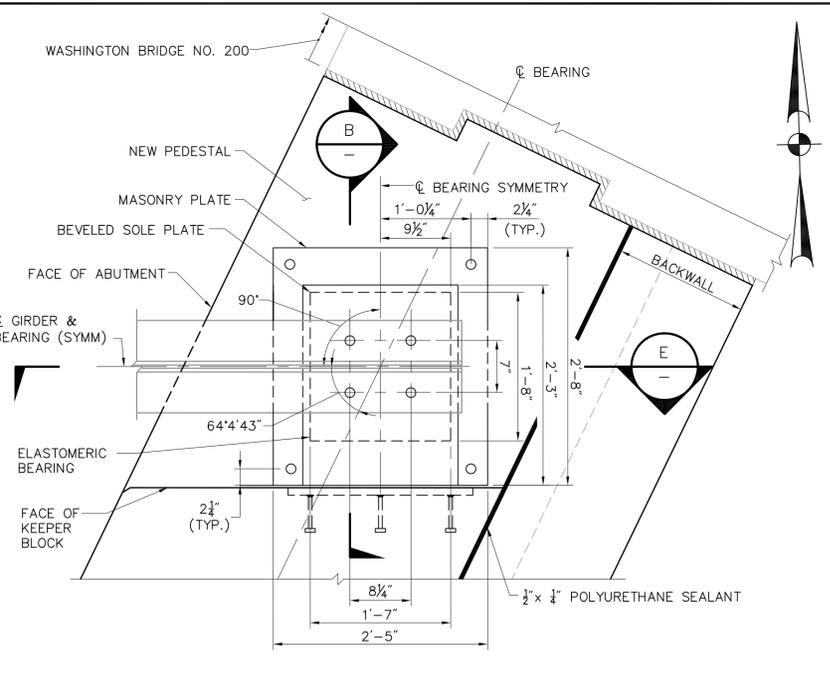
**ADDENDUM NUMBER 3**

**REVISION TO SHEET NO. 95**

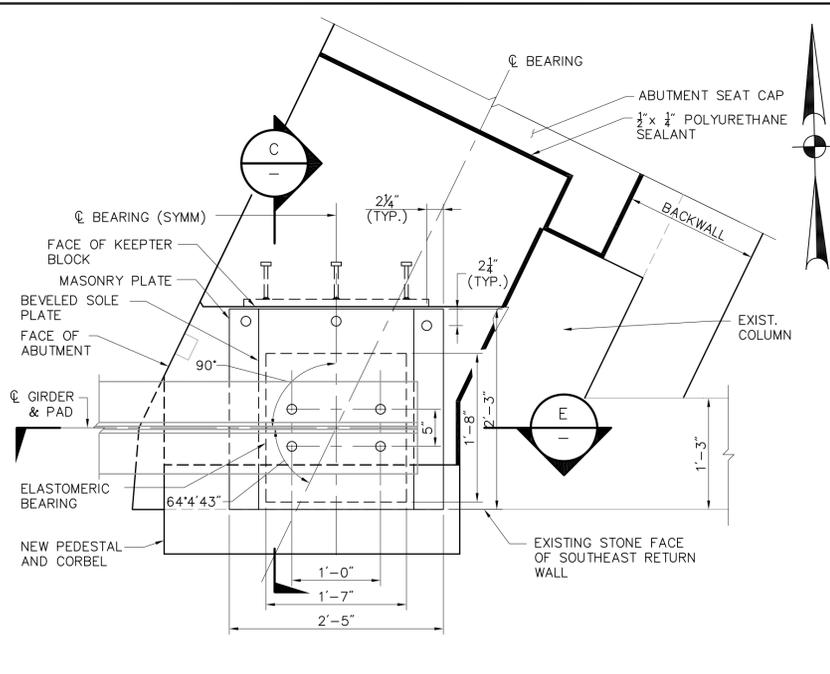




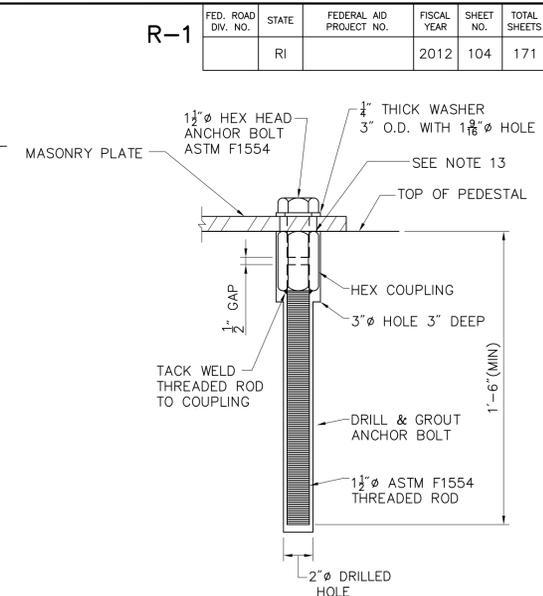
**PLAN PIER 13**  
NOT TO SCALE  
(SOUTH GIRDER AS SHOWN, NORTH GIRDER SIMILAR)



**PLAN EAST ABUTMENT - NORTH GIRDER**  
NOT TO SCALE



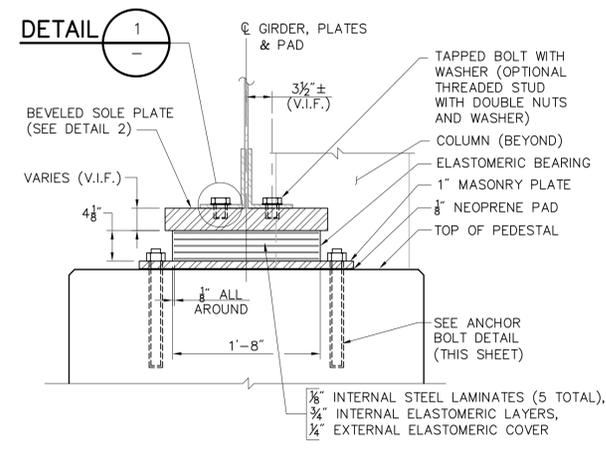
**PLAN EAST ABUTMENT - SOUTH GIRDER**  
NOT TO SCALE



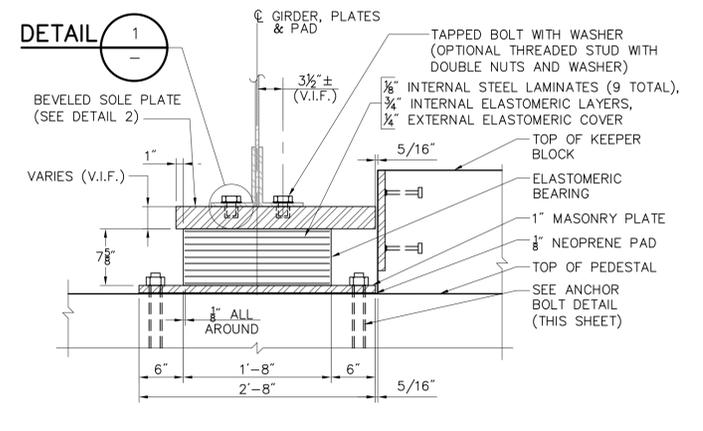
NOTE: CONTRACTOR MAY SET ANCHOR BOLTS WHILE CASTING THE PEDESTALS UPON APPROVAL FROM THE ENGINEER

**ANCHOR BOLT DETAIL**  
NOT TO SCALE

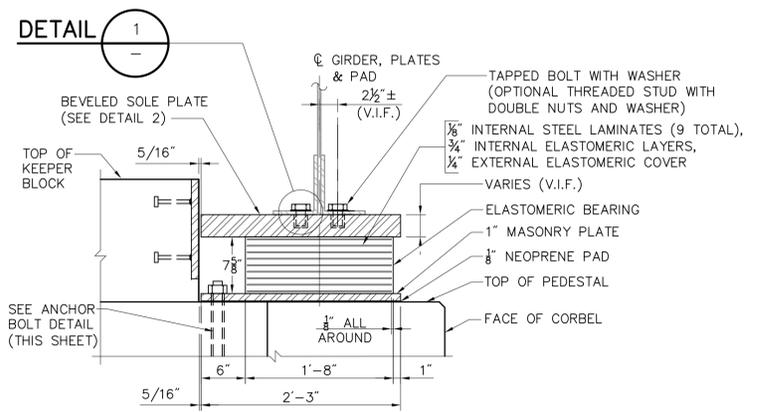
NON-SLIDING EXPANSION BEARING TABLE				
LOCATION		BEARING SERVICE LOADS (KIPS)		
PIER NO.	GIRDER NO.	DEAD	LIVE	TOTAL
PIER 13	G-7	182	30	212
PIER 13	G-8	167	30	197
E. ABUT	G-3	259	45	304
E. ABUT	G-4	301	45	346



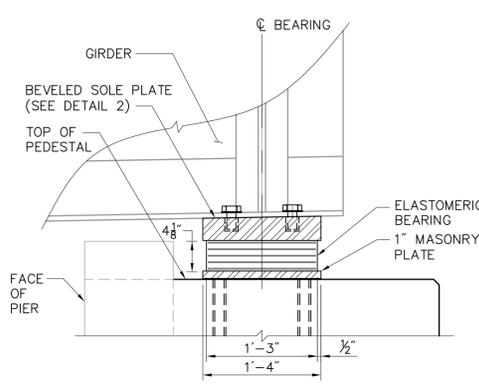
**SECTION A**  
NOT TO SCALE



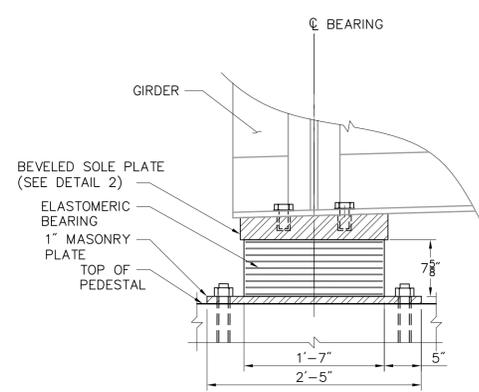
**SECTION B**  
NOT TO SCALE



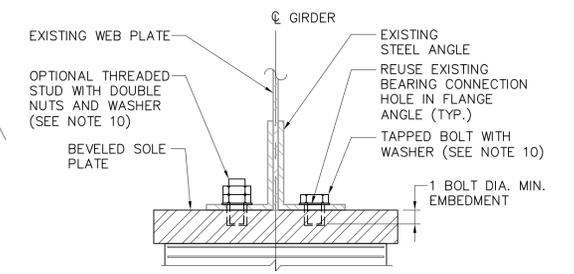
**SECTION C**  
NOT TO SCALE



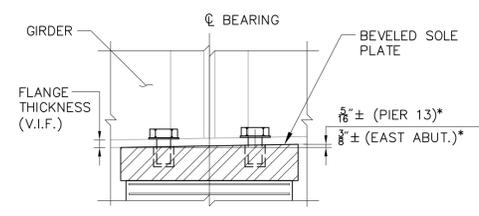
**SECTION D**  
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**SECTION E**  
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**DETAIL 1**  
NTS



**BEVELED SOLE PLATE (FACING SOUTH)**  
DETAIL 2  
NTS

ENTIRE SHEET REPLACED BY ADDENDUM NO.3

REVISIONS		
NO.	DATE	BY
1	4/2/12	VHB

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION

**WASHINGTON PEDESTRIAN BRIDGE**  
PROVIDENCE/EAST PROVIDENCE, RHODE ISLAND

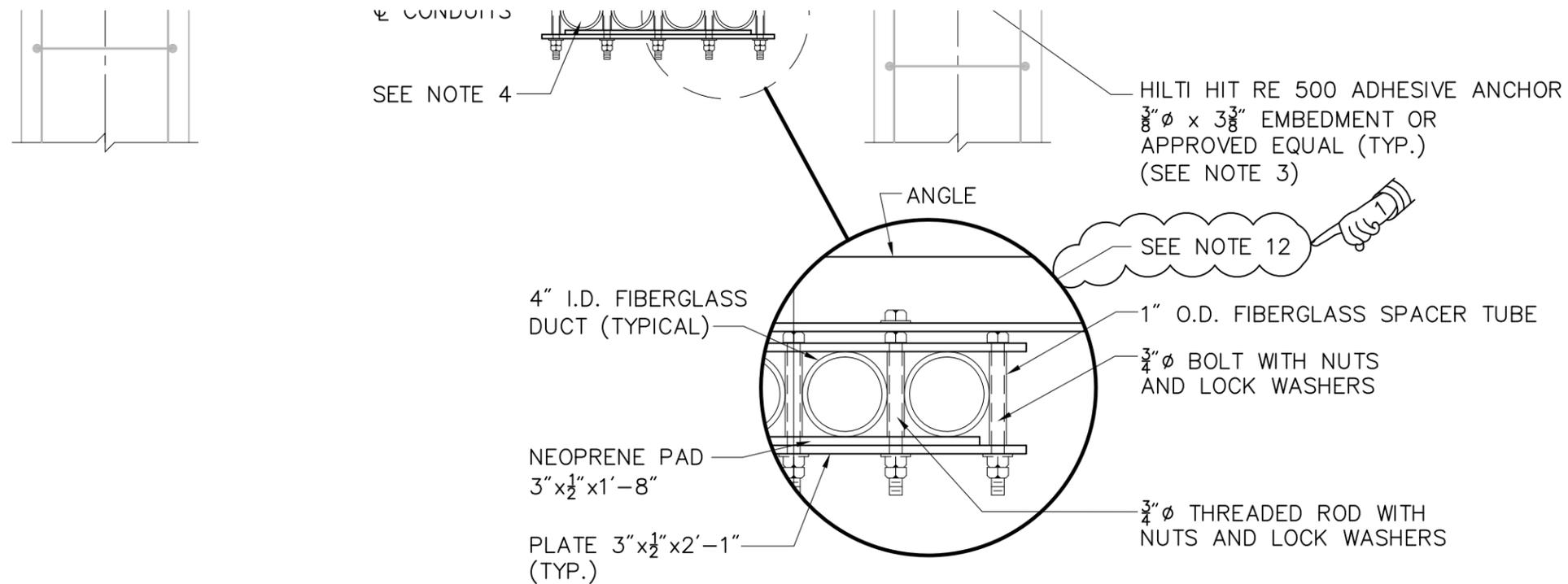
**SPAN 14 AND 15 BEARING REPLACEMENT**

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ADDENDUM NO. 3



## TYPICAL UTILITY SUPPORT—ARCH AND PIER SPANS

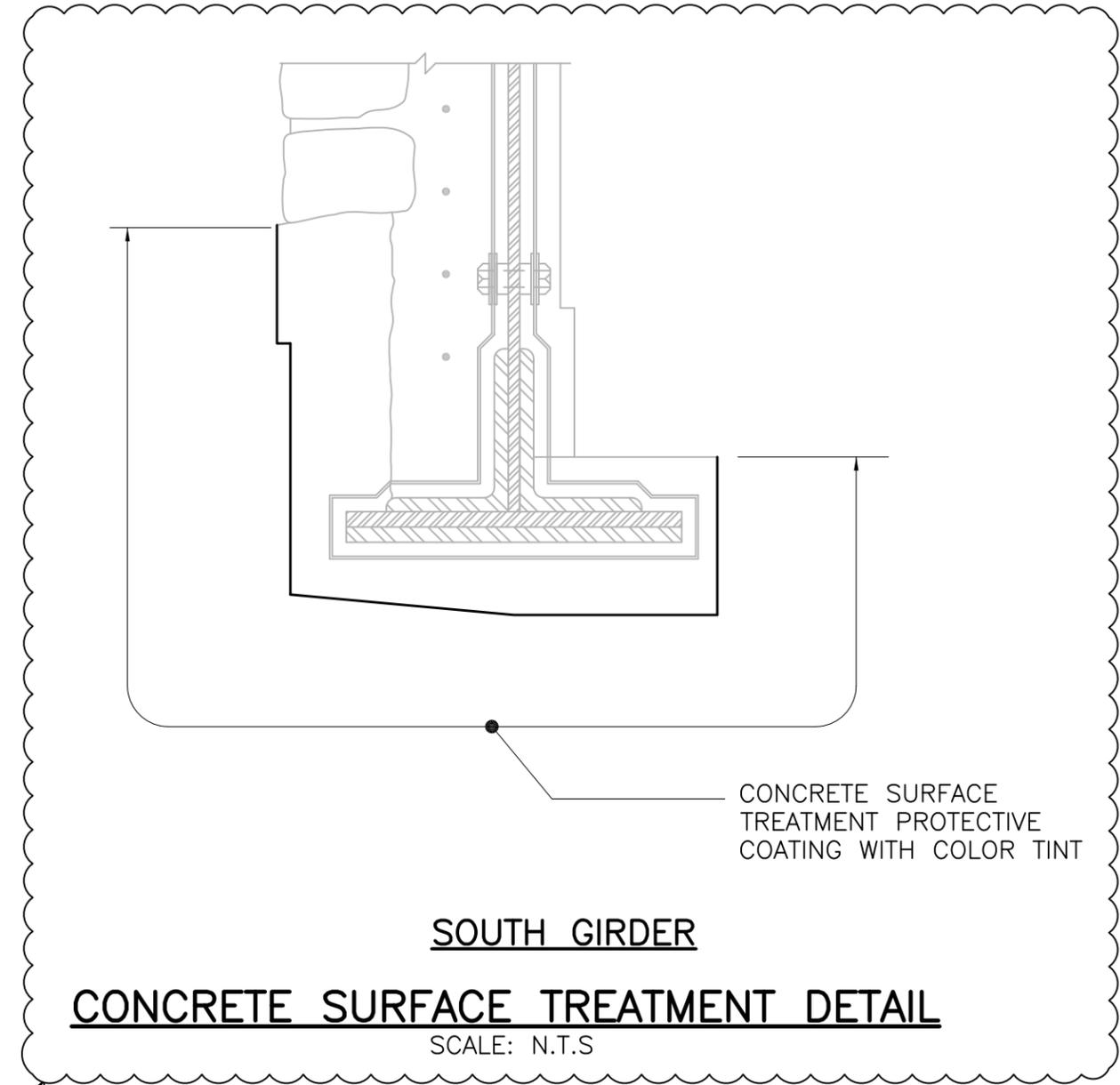
SCALE: 3/4"=1'-0"

1. CARE MUST BE TAKEN DURING THE REMOVAL OF THE DESIGNATED PORTIONS OF THE STRUCTURE TO AVOID DAMAGING THE PORTIONS THAT ARE TO REMAIN IN PLACE OR TO BE RELOCATED. ANY DAMAGE CAUSED BY THE CONTRACTOR TO THE EXISTING STRUCTURE THAT IS DESIGNATED TO REMAIN IN PLACE OR TO BE RELOCATED SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
2. DURING REMOVAL OF CONCRETE ENCASEMENT, IF THE CONTRACTOR'S OPERATIONS CAUSE ANY DAMAGE TO THE EXISTING STRUCTURES TO REMAIN IN PLACE, HE SHALL BE REQUIRED TO REPAIR THE AREA TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
3. SURFACE PREPARATION AND PAINTING EXISTING STEEL SHALL BE INCLUDED IN THE COST OF ITEM CODE 825.8040 "PAINTING EXISTING STRUCTURAL STEEL".
4. SAWCUTTING, CORING AND DEMOLITION OF CONCRETE MORTAR ENCASEMENT AND WIRE MESH REINFORCEMENT SHALL BE INCLUDED IN THE COST OF ITEM CODE 803.9905 "REMOVE AND DISPOSE CONCRETE SUPERSTRUCTURE WASHINGTON BRIDGE NO. 200".
5. THE PLATE, THREAD ROD, BOLTS, NUTS, SPACER TUBE AND NEOPRENE PAD SHALL BE PAD FOR UNDER ITEM CODE 824.9911 "FURNISH AND INSTALL UTILITY SUPPORT".

<b>VANASSE HANGEN BRUSTLIN, INC.</b> <small>TRANSPORTATION LAND DEVELOPMENT ENVIRONMENTAL SERVICES PROVIDENCE, RHODE ISLAND</small>	<b>REVISION TO</b> <b>UTILITY SUPPORT DETAILS 1</b>	<b>RI CONTACT NO.</b> <b>2012-CB-046</b>	<b>SKETCH NO.</b> <b>11</b>
<b>APRIL 2, 2012</b>	<b>ADDENDUM NUMBER 3</b>	<b>REVISION TO SHEET NO. 137</b>	

**CONCRETE COLUMN REPAIR NOTES**

1. UNSOUND CONCRETE SHALL BE REMOVED ONLY TO THE DEPTH NECESSARY TO EXPOSE A BONDING SURFACE OF SOUND CONCRETE MATERIAL, BUT NOT LESS THAN 1" BELOW REINFORCING STEEL.
2. NO MORE THAN 6 INCH DEPTH OF CONCRETE SHALL BE REMOVED AT ANY LOCATION. THE CONTRACTOR SHALL NOT BE COMPENSATED FOR CONCRETE REMOVAL DEEPER THEN THE LIMIT SPECIFIED. IF IT IS EVIDENT THAT MORE DEPTH MUST BE REMOVED DUE TO THE CONDITIONS OF CONCRETE ENCOUNTERED, THE WORK SHALL CEASE AT THAT DESIGNATED LOCATION AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY. THE CONTRACTOR SHALL PROVIDE RIDOT HANDS ON ACCESS TO THE REPAIR LOCATION. THE RIDOT WILL EVALUATE THE CONDITION AND PROVIDE DIRECTION WITHIN 48 HOURS OF REVIEWING THE LOCATION. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR THE PERIOD OF TIME WHILE WORK IS SUSPENDED.
3. ALL DETERIORATED AREAS TO BE REPAIRED SHALL BE MARKED AND IDENTIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER THAT ALL REPAIR AREAS ARE CORRECTLY MARKED PRIOR TO MAKING SAWCUTS FOR REMOVAL OF CONCRETE.
4. ALL DETERIORATED AREAS TO BE REPAIRED SHALL BE OUTLINED WITH 1/2" (±1/8") DEEP SAW-CUTS ON A RECTANGULAR SHAPE AROUND THE PERIPHERY OF THE DEFECT. THE ENGINEER WILL INSPECT THE SAWCUT AREAS PRIOR TO REMOVAL OF THE DETERIORATED CONCRETE. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER THAT ALL REPAIR AREAS ARE CORRECTLY SAWCUT PRIOR TO REMOVAL OF ANY CONCRETE.
6. ALL NEW CONCRETE REPAIRS SHALL BE RESTORED TO ORIGINAL CONTOUR.
7. DURING REMOVAL OF DETERIORATED CONCRETE, IF THE CONTRACTOR'S OPERATIONS CAUSE ANY DAMAGE TO THE EXISTING STRUCTURE, HE SHALL BE REQUIRED TO REPAIR THE AREA TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
8. CONCRETE COLUMN REPAIRS SHALL BE PAYED FOR UNDER ITEM CODE 817.9901 "REPAIRS TO STRUCTURAL CONCRETE MASONRY (PNEUMATIC MORTAR)".
9. ALL VERTICAL FACES OF THE NORTH AND SOUTH COLUMNS SHALL RECEIVE CONCRETE SURFACE TREATMENT PROTECTIVE COATING WITH COLOR TINT FROM THE BOTTOM OF THE GIRDERS TO THE EXISTING GROUND.



	<b>REVISION TO MORTAR COATING STEEL REPAIRS</b>	<b>R.I. CONTACT NO.</b> 2012-CB-046	<b>SKETCH NO.</b> 12
		REVISION TO SHEET NO. 151	
APRIL 2, 2012		ADDENDUM NUMBER 3	

5. ALL DETERIORATED AREAS TO BE REPAIRED SHALL THEN BE OUTLINED WITH  $\frac{1}{2}$ " ( $\pm \frac{1}{8}$ ") DEEP SAW-CUTS ON A RECTANGULAR SHAPE AROUND THE PERIPHERY OF THE DEFECT. THE ENGINEER WILL INSPECT THE SAWCUT AREAS PRIOR TO REMOVAL OF THE DETERIORATED CONCRETE. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER THAT ALL REPAIR AREAS ARE CORRECTLY SAWCUT PRIOR TO REMOVAL OF ANY CONCRETE.
6. THE CONTRACTOR SHALL CAREFULLY REMOVE SPALLED, LOOSE AND HOLLOW CONCRETE FROM WITHIN THE SAWCUT LIMITS. POWER TOOLS SHALL BE LIMITED TO PNEUMATIC HAMMERS OF NO MORE THAN 15 POUND CLASS. ANY OVERBREAKAGE OR DAMAGE BEYOND THE LIMITS OF THE APPROVED REPAIR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
7. SAWCUTS AND DETERIORATED CONCRETE REMOVAL SHALL BE PERFORMED IN THE PRESENCE OF THE RESIDENT ENGINEER'S REPRESENTATIVE.
8. 

UNDERSIDE CONCRETE REPAIRS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS SECTION 817 "PNEUMATIC MORTAR". PAYMENT FOR UNDERSIDE REPAIRS SHOULD BE MADE UNDER ITEM CODE 817.9901. TOP AND SIDE REPAIRS SHALL BE IN ACCORDANCE WITH ITEM CODE 818.9901.
9. ALL NEW CONCRETE REPAIRS SHALL BE RESTORED TO ORIGINAL CONTOUR.
10. THE BONDING SURFACES OF THE REPAIR AREA SHALL BE PREPARED IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATION SECTION 817. THE SURFACES AGAINST WHICH MORTAR OR CONCRETE IS TO BE PLACED SHALL BE KEPT WET FOR AT LEAST ONE HOUR AND THEN ALLOWED TO DRY TO A SATURATED SURFACE DRY CONDITION JUST PRIOR TO APPLICATION OF THE MORTAR OR CONCRETE.
11. THE CONTRACTOR SHALL LOCATE EXISTING REINFORCING PRIOR TO DEMOLITION OF REPAIR AREA. THE EXISTING REINFORCING SHALL NOT BE DAMAGED.
12. DURING REMOVAL OF DETERIORATED CONCRETE, IF THE CONTRACTOR'S OPERATIONS CAUSE ANY DAMAGE TO THE EXISTING STRUCTURE, HE SHALL BE REQUIRED TO REPAIR THE AREA TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
13. THE COST TO REMOVE AND DISPOSE EXISTING SEALANT AND THE COST TO RESEAL THE EXISTING JOINT SHALL BE PAID FOR UNDER ITEM 808.9922 "CLEAN AND RESEAL JOINTS IN SLAB."



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

**REVISION TO  
 GANO STREET  
 STAIRWAY REPAIR**

**RI CONTACT  
 NO.**

**2012-CB-046**

**SKETCH NO.**

**13**

**APRIL 2, 2002**

**ADDENDUM NUMBER 3**

**REVISION TO SHEET NO. 164**

4. ALL DETERIORATED AREAS TO BE REPAIRED SHALL THEN BE OUTLINED WITH  $\frac{1}{2}$ " ( $\pm\frac{1}{8}$ ") DEEP SAW-CUTS ON A RECTANGULAR SHAPE AROUND THE PERIPHERY OF THE DEFECT. THE ENGINEER WILL INSPECT THE SAWCUT AREAS PRIOR TO REMOVAL OF THE DETERIORATED CONCRETE. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER THAT ALL REPAIR AREAS ARE CORRECTLY SAWCUT PRIOR TO REMOVAL OF ANY CONCRETE.
5. THE CONTRACTOR SHALL CAREFULLY REMOVE SPALLED, LOOSE AND HOLLOW CONCRETE FROM WITHIN THE SAWCUT LIMITS. POWER TOOLS SHALL BE LIMITED TO PNEUMATIC HAMMERS OF NO MORE THAN 15 POUND CLASS. ANY OVERBREAKAGE OR DAMAGE BEYOND THE LIMITS OF THE APPROVED REPAIR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
6. SAWCUTS AND DETERIORATED CONCRETE REMOVAL SHALL BE PERFORMED IN THE PRESENCE OF THE RESIDENT ENGINEER'S REPRESENTATIVE.
7. CONCRETE REPAIRS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS SECTION 817 "PNEUMATIC MORTAR". PAYMENT SHOULD BE MADE UNDER ITEM CODE 817.9901 "REPAIRS TO STRUCTURAL CONCRETE MASONRY (PNEUMATIC MORTAR)."
8. ALL NEW CONCRETE REPAIRS SHALL BE RESTORED TO ORIGINAL CONTOUR.
9. THE BONDING SURFACES OF THE REPAIR AREA SHALL BE PREPARED IN ACCORDANCE WITH THE RIDOT STANDARD SPECIFICATION SECTION 817. THE SURFACES AGAINST WHICH MORTAR OR CONCRETE IS TO BE PLACED SHALL BE KEPT WET FOR AT LEAST ONE HOUR AND THEN ALLOWED TO DRY TO A SATURATED SURFACE DRY CONDITION JUST PRIOR TO APPLICATION OF THE MORTAR OR CONCRETE.
10. THE CONTRACTOR SHALL LOCATE EXISTING REINFORCING PRIOR TO DEMOLITION OF REPAIR AREA. THE EXISTING REINFORCING SHALL NOT BE DAMAGED.
11. DURING REMOVAL OF DETERIORATED CONCRETE, IF THE CONTRACTOR'S OPERATIONS CAUSE ANY DAMAGE TO THE EXISTING STRUCTURE, HE SHALL BE REQUIRED TO REPAIR THE AREA TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
12. CONCRETE SURFACE TREATMENT PROTECTIVE COATING WITH COLOR TINT SHALL BE APPLIED TO ALL SURFACES OF THE NEW AND EXISTING TO REMAIN STATE SHIELDS.



11. REMOVAL, CONTAINMENT AND DISPOSAL OF LEAD-BASED PAINT ON THE EXISTING STEEL SHALL BE IN ACCORDANCE WITH ITEM CODE 826.9901 "MANAGEMENT OF LEAD-BASED PAINTED (LBP) BRIDGE COMPONENTS". ALL COSTS ASSOCIATED WITH THIS ITEM SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM CODE 803.9908 "REMOVE AND DISPOSE OF EXISTING STEEL BEARINGS", ITEM CODE 824.9902 "REPAIRS TO STRUCTURAL STEEL" AND ITEM CODE 824.9905 "REPLACEMENT OF STEEL DIAPHRAGMS".
12. DETAILS AND DIMENSIONS WERE DEVELOPED FROM ORIGINAL CONSTRUCTION DRAWINGS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSION AND DETAILS.
13. EXPOSED REINFORCEMENT SHALL BE COATED WITH ZINC RICH PRIMER. THE COST SHALL BE INCLUDED IN ITEM CODE 803.9905 "REMOVE AND DISPOSE EXISTING CONCRETE SUPERSTRUCTURE-WASHINGTON BRIDGE NO. 200".
14. THE REMOVAL AND LEGAL DISPOSAL OF EXISTING TEMPORARY BARRIER SHALL BE PAID FOR PER LINEAR FOOT UNDER ITEM CODE 803.9911 "REMOVE AND DISPOSE TEMPORARY PRECAST CONCRETE BARRIER".
15. ALL GRANITE STONES DESIGNATED TO BE REMOVED AND RESET FOR THE SOUTH BASTION PARAPETS RECONSTRUCTION SHALL BE CAREFULLY REMOVED BY USING LIGHTWEIGHT CHIPPING (15 LB. CLASS) EQUIPMENT. COST OF REMOVAL, STOCKPILE AND RESET GRANITE STONES SHALL BE PAID UNDER ITEM CODE 807.9910 "INVENTORY, REMOVE, STOCKPILE AND RECONSTRUCTION OF GRANITE FOR BASTION PARAPETS - ROUND" AND 807.9911 "INVENTORY, REMOVE, STOCKPILE AND RECONSTRUCTION OF GRANITE OF BASTION PARAPETS - RECTANGULAR".
16. REMOVE AND DISPOSE TRANSITE ELECTRICAL CONDUIT WHERE INDICATED. THE REMOVAL AND DISPOSAL SHALL BE IN ACCORDANCE WITH PROVISION CODE 826.9902 "ASBESTOS ABATEMENT".
17. SIDEWALK/PARAPET DEMOLITION IN THE VICINITY OF EXISTING WINGWALL/SPANDREL WALL SHALL BE PERFORMED BY HAND HELD CHIPPING HAMMER (15 LBS. CLASS). THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF ITEM CODE 803.9905 "REMOVE AND DISPOSE EXISTING CONCRETE SUPERSTRUCTURE WASHINGTON BRIDGE NO. 200." ANY DAMAGE TO SPANDREL WALL OR STONE VENEER RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AT NO ADDITIONAL COST TO THE STATE.
18. THE CONTRACTOR SHALL NOT BE PERMITTED TO BEND EXISTING TRANSVERSE REINFORCING STEEL THAT IS TO REMAIN.



 <b>VANASSE HANGEN BRUSTLIN, INC.</b> TRANSPORTATION LAND DEVELOPMENT ENVIRONMENTAL SERVICES PROVIDENCE, RHODE ISLAND	<b>REVISION TO DEMOLITION SECTIONS 1</b>	<b>R.I. CONTACT NO.</b>  <b>2012-CB-046</b>	<b>SKETCH NO.</b>  <b>15</b>
<b>APRIL 2, 2012</b>	<b>ADDENDUM NUMBER 3</b>	<b>REVISION TO SHEET NO. 21</b>	

**NOTES**

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1. FOR COLUMN REPLACEMENT DETAILS, SEE "COLUMN REPLACEMENT DETAILS" SHEETS.
  2. REMOVAL AND DISPOSAL OF TEMPORARY SHORING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL PROVISION ITEM CODE 803.9910 "REMOVE AND DISPOSE EXISTING TEMPORARY STEEL SHORING – WASHINGTON BRIDGE NO. 200."
  3. THE CONTRACTOR SHALL SALVAGE TWELVE (12) SHORING COLUMNS, INCLUDING SCREW JACKS, CHANNELS, AND BEARINGS. COST OF SALVAGE SHALL BE INCLUDED IN ITEM CODE 803.9910.
  4. THE EXISTING SHORING SYSTEM SHALL NOT BE REMOVED UNTIL THE NEW COLUMN CONCRETE HAS REACHED A COMPRESSION STRENGTH OF 4,000 PSI AND A MINIMUM OF SEVEN (7) DAYS AFTER CONCRETE PLACEMENT.
  5. FOR ADDITIONAL LOCATIONS OF TEMPORARY COLUMN SHORING, SEE "COLUMN REPLACEMENT LOCATION PLAN 2".

 <b>VANASSE HANGEN BRUSTLIN, INC.</b> TRANSPORTATION LAND DEVELOPMENT ENVIRONMENTAL SERVICES PROVIDENCE, RHODE ISLAND	<b>REVISION TO COLUMN REPLACEMENT LOCATION PLAN 1</b>	<b>R.I. CONTACT NO.</b>	<b>SKETCH NO.</b>
		<b>2012-CB-046</b>	<b>16</b>
<b>APRIL 2, 2012</b>	<b>ADDENDUM NUMBER 3</b>	<b>REVISION TO SHEET NO. 85</b>	



## GENERAL PROVISIONS/CONSTRUCTION

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5. **SPECIALTY ITEMS**

Lighting Items  
Architectural Restoration Items  
GFRC Items  
Landscape Plants  
Seeding  
Mowing

6. **NOTICE TO CONTRACTORS**

A. Winter Shutdown

The Contractor shall note that this project has NO winter shutdown.

B. Plans and Shop Drawings

The Contractor shall note specification "12.105.02 Plans and Shop Drawings". The Contractor shall submit duplicate Shop Drawings (two copies per submittal) directly to the attention of the Consulting Engineer (Vanasse Hangen Brustlin, Inc., 10 Dorrance St., Suite 400, Providence RI 02903, Attn: Bharat Patel, P.E.) simultaneously with each of his official submittals to the State.

The Contractor shall submit staging and protective shielding submittals in sufficient time to allow review by the Coast Guard. A RIDOT approved schedule for any work over or from the waterway, above and/or below the bridge must be provided to RIDOT for forwarding to the USCG Boston Office a minimum of 45 days prior to the start of the work. Any request to close or restrict the channel must be received at RIDOT no less than 75 days prior to initiation of restriction or closure.

C. Requests for Information (RFI)

The Contractor shall submit Requests for Information (RFI) through the RIDOT's Project Management Portal (PMP).

E. Pre and Post Construction Survey

The Contractor shall conduct an inspection of the river bottom before and immediately after construction activities. The Contractor shall provide written certification that the waterway has not been impaired and that all construction debris, if any, has been removed. Payment for this work shall be made under Item Code 206.9902 "Pre and Post Waterway Conditions Surveys".

F. Construction Permits

Strict adherence to the regulatory agencies' permit requirements as included in Paragraph 9 is mandatory.

The contractor shall note the United States Coast Guard (USCG) permit for this project is based on construction performed from barges. If the Contractor elects to use a trestle to construct the work, it shall be the Contractor's responsibility to prepare all materials required for RIDOT to obtain the necessary permits and/or modifications.

The Contractor shall coordinate through RIDOT to modify any permit that is included in this Contract. These modifications will be at the Contractor's expense.

The Contractor shall be responsible to obtain any permits required to perform the work of this Contract if these permits are not already included in this Contract

G. Storage of Material

The Contractor is NOT allowed to store material within thirty feet of the existing piers of either Washington Bridge Nos. 200 & 700. No material shall be stored on Pier 12 underpinning pile caps.

There shall be no parking of vehicles or storage of construction equipment under the dripline of any existing trees.

H. Erosion and Sediment Control

The Storm Water Pollution Prevention Plan (SWPPP) details the anticipated erosion & sediment controls required for this project. The Contractor must designate a SWPPP contact person, experienced in storm water management on large construction sites, who is available on site throughout the life of the project, and who has the authority to direct contractor's personnel and/or subcontractor's personnel in carrying out corrective actions requested by RIDOT's SWPPP Inspector and/or Resident Engineer. The Contractor's designated SWPPP contact person must be available to oversee all SWPPP related activities and to accompany the RIDOT's SWPPP Inspector, as requested, when inspections are performed. All applicable sections of the SWPPP must be signed by the contractor and applicable subcontractors prior to Notice To Proceed.

Erosion and sediment controls shall be installed prior to the initiation of any earthwork. Installation shall not begin more than 30 days prior to the scheduled start of earthwork in the vicinity of the controls. During the first 90 days following the initiation of earthwork, if the Engineer calls for the replacement of any controls which were installed more than 30 days prior to initiation of earthwork, due to deterioration of the materials, this shall be the responsibility of the contractor, and shall be accomplished at no cost to the State.

I. Bridge Load Restrictions

The Contractor is NOT allowed to place live load or equipment on Spans 14 and 15 during the jacking and shoring of the girders until the bearings have been installed and accepted by the Engineer. Maximum construction load on the Washington Bridges No. 200 and Washington Pedestrian shall be no greater than HS20-44.

J. Stockpiled Granite Curb

The Contractor shall retrieve granite sloped face curb from the RIDOT stockpile under Washington Bridge No. 700. No separate payment will be made to retrieve the curb. The Contractor shall include the cost to retrieve the curb in item code 906.0720; "Reset Stockpile Curb Straight Circular Corner Returns".

K. Inspection of Work

The Contractor shall provide a means of access/transportation to barges on and platforms over the Seekonk for the Resident Engineer, RIDOT Inspectors, or RIDOT representatives to inspect and perform their duties on work performed by the Contractor. The cost of the means of access/transportation will not be paid separately and shall be considered incidental to the work item being performed.

7. **SEQUENCE OF CONSTRUCTION AND SCHEDULE**

**General Stipulations:** The Contractor shall adhere to the following requirements:

1. Approval of the work schedule and time schedule by the Department is required before the start of any construction or other work associated with this contract.
2. The Contractor shall note that nighttime work, unless otherwise noted as required, is allowed.
3. The construction operations of this Project must be coordinated with the local community public officials. Upon award of the Contract and approval of the schedule, but prior to the construction, the Contractor shall coordinate requirements for Uniformed Traffic Control Persons with the Engineer who will coordinate with state and local police departments.
4. The Contractor shall maintain power to the Interstate Route 195 lighting system located within the areas in which vehicular traffic is maintained during each construction phase.
5. The Contractor shall start the asbestos abatement work prior to September 16, 2012, in accordance with the plan approved by the Rhode Island Department of Health (RIDOH) and section C(1)(5) of the RIDOH Rules and Regulations for Asbestos Control. All Asbestos Abatement work is to be completed on or before March 16, 2013. Contractor is responsible for notification to RIDOH as required in approval.

PCB removal must be completed before any other work which requires or provides access to interior of the Operator's House.

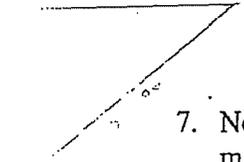
6. The Contractor is advised that the signs and other traffic control devices shown on the Maintenance and Protection of Traffic Plans and Details are minimum requirements. The Contractor shall be responsible to supplement these as required to ensure the public's safety. Prior to beginning work that affects traffic, the Contractor shall furnish and install the required signs and other traffic control devices.

7. In cases of emergency and/or as directed by the Engineer, the Contractor shall move equipment to allow for the passage of emergency vehicles and/or open closed lanes to maintain traffic flow.
8. The Contractor shall notify the Department in writing at least fourteen (14) days in advance of any intended lane restrictions and/or closures so that adequate public notice can be given. Upon the Engineer's approval, the Contractor shall coordinate the required traffic control.
9. All work must be performed in a manner that causes the least disruption to existing vehicular and pedestrian traffic for as short a period of time as possible. When work commences in such areas, it shall be expeditiously completed without unnecessary interruptions. Unless otherwise permitted in writing by the Engineer, Warren Avenue Eastbound and Westbound Lane Closures will not occur simultaneously.
10. The Contractor shall backfill or shall place steel plates, as approved by the Engineer, capable of supporting HS-25 wheel loading over all trenches and excavations that are not protected by barrier at the end of work each day except when otherwise directed by the Engineer. There shall be no additional compensation for backfilling, re-excavating and/or plating these trenches. Use of steel plates is restricted to local roads.
11. All temporary construction signs shall be removed, covered or otherwise concealed when they are not needed to properly warn drivers and/or pedestrians. This includes the periods between erecting the signs and the start of operations, as well as when a phase is completed or suspended. The Contractor shall be compensated for this under Item Code 937.0200, "Maintenance and Movement Traffic Protection".
12. For Warren Avenue Bridge No. 464, steel fabrication shall be completely fabricated and delivered at the time of bridge demolition.
13. The measurement and payment for all traffic control devices and for the maintenance and movement of traffic protective devices will be made under the appropriate bid items at the Contract unit bid prices.
14. Temporary construction signs shall not be placed so they encroach on open lanes of traffic. Signs shall be trimmed when placed on median barriers to avoid encroaching on open travel lanes. This work shall be considered incidental and no extra payment shall be made.
15. All temporary signs shall be erected so that they are not obstructed by barrels or cones.
16. The final striping of I-195 Eastbound shall be performed after all activities requiring construction vehicle access to work zones to and from I-195 Eastbound and after all activities requiring temporary lane closures on I-195 Eastbound.

U.S. Coast Guard Bridge Administration Program  
**GENERAL CONSTRUCTION REQUIREMENTS**

1. All waterway closures, channel restrictions, or vertical clearance reductions must be requested in writing, 60 days in advance. Requests to temporarily deviate from the **Drawbridge Operation Regulations** (bridge operating schedule) must be received in writing at least 60 days in advance of the date of the intended change, unless the repairs are determined to be necessary vital repairs that must be performed with due speed to assure the safe reliable continued operation of the bridge. All submissions to the Coast Guard for review and approval must first be approved by the owner of the bridge or their authorized agent. All submissions must be sent to the First Coast Guard District, Bridge Branch Office.
2. A copy of the contractor's construction plans, schedule, and sequence of operations, preferably in time line graphic format, including daily hours of operation, all anticipated bridge or channel closures, location of work barges during working and non-working hours, must be submitted to this office for approval. All bridge construction/repair requests must be submitted at least 30 days prior to commencement of any work. A drawing/plan of the entire project area must be included in all submissions requesting construction approval depicting the following: (1) The waterway and existing/proposed bridges. (2) The location of work barges, anchors lines during the various phases of the project. (3) A detailed drawing of scaffolding/netting indicating the location during working hours and off hours. All vertical clearance reductions below low steel or concrete under the bridge as a result of the use of scaffolding must be clearly detailed and measured in feet.
3. Emergency 24 hour telephone numbers for all responsible individuals for this project must be submitted to this office before any phase of construction begins. Any changes in personnel or telephone numbers should be immediately forwarded to this office.
4. All work barges placed in the waterway must be lighted with constant burning white lights on all four corners. The barge operator is required to comply with all provisions of the Navigation Rules International-Inland, regarding the use of work barges or floating equipment in the waterway. Copies are available from the U.S. Government Bookstore, Thomas P. O'Neil Building, 10 Causeway Street, Boston, Massachusetts, 02222. Telephone (617) 720-4180.
5. VHF-FM marine radios set to the bridge communication channels 16/13 or the designated channel for the bridge must be maintained at the project site monitored by the supervisor in charge. Additional marine radios monitoring the above channels must also be maintained at the main control of any floating equipment or barges on station.
6. The placement of work barges in the navigable channel shall be done in a manner so as to provide a minimum horizontal clearance reduction at all times. Only one draw of a bridge at a time may be blocked by work barges. Work barges must move out of the navigable channel upon the request from the master of any vessel that determines the full channel width is needed to safely transit through the bridge. Work barges must not remain in the navigable channel at night unless Coast Guard approved work is scheduled and ongoing. Work barges must be moved outside the navigable channel at all times day or night when no work is scheduled or ongoing. Work barges held in place by anchor lines must be marked by lighted anchor buoys.

**ENCLOSURE (1)**

- 
7. No changes to the horizontal or vertical clearance of the bridge or any bridge span may be made as part of this construction project without prior Coast Guard approval.
  8. Welding and burning must cease upon approach of a vessel and shall not start again until the vessel has passed the bridge. Preventive measures must be taken to prevent any hot work, debris, or construction material from entering the waterway. This includes sandblasting material, paint, and any concrete work by-products.
  9. If permanent bridge navigational lighting can not be maintained operational during any phase of this project, temporary battery/power lights must be installed at the same locations. These temporary lights must be visible for a distance of 2,000 yards on 90% of the nights of the year. Generally, a lamp of 20 footcandles will meet these requirements. Plans for temporary lighting shall be submitted to this office for written approval. Deviations from the approved temporary lighting shall be permitted only upon written authorization from this office.
  10. Bridge protective fenders shall not be constructed or rebuilt with any metal surfaces on the rubbing face of the fender system. All bolts, spikes, or other metal fastening devices must be countersunk. Metal splicing plates, if used, shall be mounted on back of outer wales.
  11. All piles within the footprint of the bridge project, that are not being used in the new or repaired fender shall be extracted or cut off at the mud line. Upon completion of the fender repairs a bottom sweep is required to determine if any piles or construction debris are present in the waterway. A written certification that the entire footprint of the bridge project is clear of all piles and construction debris must be submitted to the Coast Guard from the owner of the bridge.
  12. During the progress of work should any debris or equipment enter the waterway and become a hazard to navigation, immediate notice shall be given to the Coast Guard and the object removed as soon as possible. Until removal can be effected, the obstruction shall be properly marked.
  13. Spillage of oil and hazardous substances is specifically prohibited by Section 311 of the Clean Water Pollution Act, as amended. Approved spill containment equipment and absorbent material must be located at the project site in the event of a spill into the waterway or the shoreline. The Coast Guard must be notified immediately at 1-800-424-8802.
  14. The bridge owner is responsible to ensure that channel depths are not affected by this work. Upon request of the Coast Guard or Corps of Engineers, the bridge owner/contractor shall provide the necessary equipment and personnel to determine the presence of any suspected obstructions in the waterway.
  15. This approval may be revoked and/or civil penalties imposed for failure to ensure that the above listed stipulations are adhered to or if work is determined to hazard or impair navigation.



Department of Health

Three Capitol Hill  
Room 206  
Providence, RI 02908-5097

401-222-5960  
RI Relay 711  
[www.health.ri.gov](http://www.health.ri.gov)

March 16, 2012

M. Emilie Holland  
2 Capitol Hill  
Providence, RI 02903

Plan Number: 60279

Dear M. Emilie Holland :

This is in reference to the asbestos abatement plan which you submitted for: Washington Bridge - Piers #6 & #7 South I- 195 Eastbound East Providence, RI 02914.

The above referenced asbestos abatement plan is hereby approved as conforming to Part C of the Rhode Island Rules and Regulations for Asbestos Control.

Please note that a licensed asbestos abatement contractor shall submit an ASB-22 start work notification at least 10 working days before any on-site work begins at a planned asbestos project. In addition, a licensed site supervisor shall notify this office by telephone when the licensed asbestos contractor begins site preparation.

A "Confirmation of Receipt of Asbestos Disposal" must be forwarded to this office within five (5) working days of receipt.

If you have any further questions concerning the above referenced asbestos abatement plan, please contact Stephan McDonagh at 222-7746.

Sincerely,

David Spink  
Asbestos Control Program Manager  
Rhode Island Department of Health  
401-222-7756

Cc: Glenn Nelson  
[7LstdASB22]

State of Rhode Island and Providence Plantations



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

2012 MAR 12 AM 10:04

Rhode Island Department of Transportation  
ENGINEERING DIVISION

Two Capitol Hill, Rm. 226  
Providence, RI 02903-1124  
PHONE 401-222-2023  
FAX 401-222-3006; TDD 401-222-4971

March 8, 2012

Mr. David Spink, Manager  
Asbestos Control Program  
RIDOH - Office of Occupational and Radiological Health  
3 Capitol Hill, Room 206  
Providence, Rhode Island 02906

**RE: Application For Asbestos Abatement Plan Approval**  
**X-Ref File #040016**

Reconstruction of Washington Bridge #200  
Providence & East Providence, Rhode Island  
RIFAP: IR-1950(439) RIC: 92135

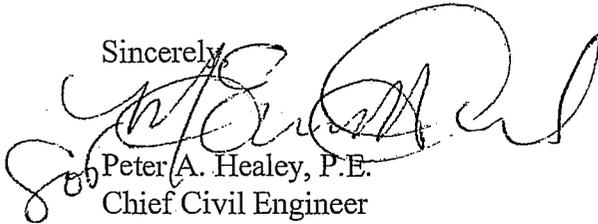
**ATTN: Mr. Steve McDonagh**

Dear Mr. Spink:

The Rhode Island Department of Transportation (RIDOT) is submitting the enclosed Application for Approval of an Asbestos Abatement Plan for the above referenced project. This plan is for the abatement work which was previously approved under File #040016, however the abatement work did not occur. RIDOT has recently advertised a contract for bid, which includes the subject abatement work.

In accordance with past practice, and in consideration of RIDOT's status as a sister State Agency, a waiver of the application fee is requested. Should you have any questions or require any additional information regarding this request, please contact Ms. Emilie Holland, of the RIDOT Natural Resources Unit, at 222-2023, ext.4051.

Sincerely,



Peter A. Healey, P.E.  
Chief Civil Engineer

Enclosure

cc: Fish, Healey, Palumbo, Smith, NRU file, Main file 92135

CSL-054	Method for controlling run-off				
CSL-055	Shop drawings for reconstruction of bastions				
CSL-056	Stone inventory and shop drawings for bastions				
CSL-057	Mason's qualifications and experience				
CSL-058	Shop drawings for planters in median and at wall				
CSL-059	Shop drawings for granite pylon				
CSL-060	Graphic for Granite pylon				
CSL-061	Handling methods for all granite				
CSL-062	Complete Placement Plan for Concrete Sidewalk				
CSL-063	USCG Work Plan				
CSL-064	PCB removal plan				
CSL-065	Executed SWPPP with Certifications of all contractor personnel and subcontractor personnel				

**APPENDIX "I"**  
**SOLE SOURCE PRICE GUARANTEE**

Architectural Facades & Details  
Acrythane Composite System  
Simulated Wall Surfaces  
Fiberglass  
GFRC  
GRG



Visual Displays & Props  
Themed Environments  
Cushioned Packaging  
Sculptures  
Signage

## Revised PROPOSAL

**December 19,2011**

**R.I. Department of Transportation  
Two Capitol Hill  
Providence RI 02903**

**Attn: Robert Pavia**

**Project: Washington Pedestrian Bridge  
Providence/East Providence RI  
R.I. Contract No. 1950(439)**

**Symmetry International Inc.** will perform the following "GFRC" work in accordance with drawings: Span 14 & 15 North Girder Facade 1, Span 14&15 Deck Details. Plaza Spans Deck Details 2 Pylons no date on drawings for the above referenced project.

**The following work and/or materials are included:**

1. GFRC Panels on north bridge side span 14&15 girder facade 1  
The panels will be approx. 8'-0"x 26'-0" total of 5 panels  
GFRC Panel face will simulate the stone look of the existing bridge stone work.
  - 1" to 1-1/4" GFRC skin thickness
  - Maximum GFRC aggregate size of 1/16"
  - Framing Components engineered to support panels will be all electro galvanized.
  - All clips and hardware to attach panels to bridge will be electro galvanized
  - PCI specifications
  - Shop drawings for all panel work (attachment drawings )
  - Engineering and Stamp
  - Fob to job site

2. GFRC Pylons constructed to look like existing Pylons on bridge  
Approx. size 8'-0" high, 6'-4" wide at base, front to back 3'-0"  
2 total Pylons (Metal plaques by others)
  - 5/8" GFRC skin thickness with score block look
  - Maximum GFRC aggregate size of 1-16"
  - 2"x2" tube steel galvanized frame engineered to support Pylons
  - Clips and anchors to attach to concrete footing (Footing by others)
  - PCI specifications
  - Shop drawings for Pylon work (attachment drawings)
  - Engineering and stamp
  - FOB to job site
  
3. Installation of GFRC panels and Pylons
  - Lay out and attach clips and hardware to bridge Girder
  - Install 5 GFRC panels
  - Install 2 Pylons (Footing by others)
  - Supply 30 ton hydraulic crane for panels and Pylons
  - Supply miscellaneous equipment to perform work

**The following work and/or materials are excluded:**

- Exposed sealant and backer rod
- Misc. metals, plywood, blocking
- Traffic control
- Police Details
- Special inspections, radiography, ultrasound or dye penetration inspections
- Permits if required
- All applicable taxes and bonds

**Owner/Contractor to supply the following:**

- Full and free access for all materials delivered
- Area at site for storage of panels
- Adequate electrical power
- Payment TBD upon agreement

**Bid Price = \$317,600.00**

**Alternate Price : Change electro Galvanized steel framing at GFRC panels on bridge  
To all Stainless steel framing and accessories add to bid = \$89,000.00**

**Thank you for the opportunity to bid this project. The price is subject to change  
In 6 months.**

**Please call if you need additional pricing or to review the scope of work in further  
detail.**

**Sincerely,**

**David James Bird  
Chief Estimator  
Cc: Steven Lancia, President**

**Accepted:**

**Authorized Company Representative**

**CODE 803.9905**  
**REMOVE AND DISPOSE EXISTING CONCRETE SUPERSTRUCTURE –**  
**WASHINGTON BRIDGE NO. 200**

**CODE 803.9907**  
**REMOVE AND DISPOSE EXISTING CONCRETE SUPERSTRUCTURE –**  
**WARREN AVENUE BRIDGE NO. 464**

**DESCRIPTION:** This item shall consist of the removal and disposal (including sawcuts), of the existing parapets, copes, bridge and approach sidewalks, granite curbs, concrete of the south bastion parapets, deck, reinforcing steel, chain link fences, gates, expansion joints, joint fillers, scuppers, sub pavement drains, steel hardware embedded in concrete, concrete stringers, concrete diaphragms, concrete encasements, existing concrete formwork, arch span stringer bearing pads, all deck joint systems, waterproofing and cutting reinforcing steel and dowels as shown on plans and described in this Special Provision. This item of work also includes roughening the existing deck surface within the limits of the median and pedestrian path and core drilling walls and floors for operator's house and storage room conduit installation. All work shall be performed in accordance with the contract drawings, the Rhode Island Standard Specifications for Road and Bridge Construction, Amended December 2010, all applicable compilations of approved specifications, as modified by this special provision, and as directed by the Engineer.

**CONSTRUCTION METHODS:** All work to be performed in the removal of the existing superstructure concrete shall be done in such a manner that no debris falls beyond the temporary protective shield. In the event that any materials do fall beyond the protective shield, the Contractor shall remove said materials immediately to the satisfaction of the Engineer.

The temporary protective shield, Item 800.9901, shall be in place and accepted prior to the commencement of any work under this item.

Demolition of existing parapets and copes adjacent to existing granite veneer shall be performed using light chipping equipment. Demolition of concrete adjacent to portions of the existing deck to remain shall be performed using light chipping equipment. The maximum weight of the chipping hammer shall be 15 lbs. The cost of this work shall be included in the cost of the superstructure demolition.

The use of explosives in any manner whatsoever will not be permitted.

Removal of concrete shall be done in a workmanlike manner so as to prevent damage to the new, temporary or existing structure to remain. If any damage to any portion of the new, temporary or existing structure to remain does ensue due to the Contractor's operations, it shall be repaired or replaced by the Contractor at his sole expense and to the satisfaction of the Engineer.

The Contractor shall submit to the Engineer, in writing, his proposed method of demolition. Demolition operations shall not begin until his method has been approved by the Engineer. This submission shall include the following:

1. The equipment and method he proposes to use, in detail.
2. The location where he intends to dispose of the demolition debris.
3. The Contractor shall verify and agree with the Engineer the quantity of pigeon guano for removal prior to proceeding with any demolition work.
4. Any special removal methods adjacent to existing utility lines.

The demolition plan shall be submitted, with calculations and stamped by a Rhode Island Professional Engineer. These approvals, however, shall in no way relieve the Contractor of sole liability for damages resulting from his operations. The Contractor shall erect and maintain a temporary shield system to insure that no materials, debris, or equipment will fall to the ground or below the structure.

Pavement or Concrete breakers which involve the use of a ball, or punch, dropped or swung mechanically or by gravity or any other method, or use of any equipment which, in the opinion of the Engineer would endanger the stability of the structure to remain or cause a hazard to vehicular or pedestrian traffic, will not be allowed.

Existing top of deck surface within the limits of the median and pedestrian path shall be roughened to ¼" amplitude.

All removed materials shall be taken from the site shall be legally disposed. Storing or burying of material/debris on site shall not be permitted.

The Contractor shall be aware that a portion of reinforcing steel in the deck, bridge and approach sidewalks, bridge and wall parapets, south bastion parapets diaphragms and stringers are to remain in place, as shown on plans. Shear studs attached to the top flange of the Span 7 existing plate girders shall remain in place. The Contractor shall not be allowed to place power tools in direct contact with the reinforcing steel of shear studs to remain.

**Note:** The Contractor should be aware of the existence of electrical wiring within conduits in portions of the concrete safety walk/parapet to be removed. Prior to commencement of any removal work, the Contractor shall verify that all such electrical service is inactive.

The contractor shall core holes for conduits in the floor and wall of the operators house and storage room as shown on the plans.

Demolition of the concrete encasement for the purpose of shoring girder, replacing bearings or installing GFRC and ITS structural steel supports shall be performed where indicated on the plans.

Removal of concrete for the concrete encasement repairs shall not be included in the cost of this item. When demotion of concrete encased steel is called for on the plans, the removal and disposal of the encasement concrete shall not be measured for payment.

**METHOD OF MEASUREMENT:** “Remove & Dispose Existing Concrete Superstructure – Washington Bridge No. 200” and “Remove & Dispose Existing Concrete Superstructure – Warren Avenue Bridge No. 464” shall be measured by the “Lump Sum” shall be measured for payment as a “Lump Sum”, completed and accepted. The estimated distribution of quantities is listed in the tables below.

<b>Remove and Dispose Existing Concrete Superstructure Approximate Quantities - Br. No. 200</b>					
<b>Location</b>	<b>Quantity (CY)</b>	<b>Location</b>	<b>Quantity (CY)</b>	<b>Location</b>	<b>Quantity (CY)</b>
East Abut.	23	Pier 12	12	Span 6A, 7, 7A	95
Pier 1	12	Pier 13	19	Span 8	54
Pier 2	12	SE Wingwall	30	Span 9	54
Pier 3	16	SW Wingwall	33	Span 10	54
Pier 4	13	Span 1	46	Span 11	46
Pier 5	14	Span 2	48	Span 12	48
Pier 8	14	Span 3	46	Span 13	46
Pier 9	12	Span 4	54	Span 14	116
Pier 10	16	Span 5	54	West Abut.	21
Pier 11	12	Span 6	54	<b>Total</b>	<b>1074</b>

<b>Remove and Dispose Existing Concrete Superstructure - Br. No. 464</b>	
<b>Location</b>	<b>Quantity (CY)</b>
Warren Ave. Bridge No. 464	196

**BASIS OF PAYMENT:** The accepted quantity of “Remove & Dispose Existing Concrete Superstructure – Washington Bridge No. 200” and “Remove & Dispose Existing Concrete Superstructure – Warren Avenue Bridge No. 464” shall be paid for at the contract unit price bid per “Lump Sum” as designated in the proposal. The payment constitutes full compensation for all labor, tools, materials, equipment, sawcuts, core drilling conduits, temporary access, removal of existing formwork, and all other incidentals required to finish the work, complete and accepted by the Engineer.

**CODE 803.9910**

**REMOVE AND DISPOSE EXISTING TEMPORARY STEEL SHORING-  
WASHINGTON BRIDGE NO. 200**

**DESCRIPTION:** The work included under this item shall consist of removing and disposing the steel shoring system (including columns screw jacks, bracing, thread rods, elastomeric bearing pads and channels, hardware) and burning off existing anchor bolts 1" below concrete surface at column line nos. 1 & 10, spans 1-13. Also included in this item of work is the salvage and stockpile of twelve (12) temporary shoring columns, including screw jacks, bracing, elastomeric bearing pads and channels as shown on plans, for temporary shoring re-use under pay code 824.9909 as needed for column replacement and for diaphragm modifications. All work shall be performed in accordance with the contract drawings, the Rhode Island Standard Specifications for Road and Bridge Construction, Amended December 2010, all applicable compilations of approved specifications, as modified by this special provision, and as directed by the Engineer.

**MATERIALS:** All materials shall be as shown on the plans.

**CONSTRUCTION METHODS:** For stringers that will be removed and replaced, the steel shoring shall not be removed until the removal of concrete superstructure. For stringers that are to remain, the steel shoring shall not be removed until the columns have been replaced and the stringer, diaphragm and deck concrete has reached a compression strength of 4,000 psi and a minimum of seven (7) days have passed since concrete placement and until directed by the Engineer.

Construction activities will consist of removing and disposing shoring system from the arch ribs, abutments, and piers as shown on plans.

All removed materials shall be taken from the site shall be legally disposed. Storing or burying of material/debris on site shall not be permitted.

The Contractor shall submit to the Engineer, in writing, his proposed method of demolition. Demolition operations shall not begin until his method has been approved by the Engineer. This submission shall include the following:

1. The equipment and method he proposes to use, in detail.
2. The location where he intends to dispose of the demolition debris.

The Contractor shall stockpile twelve (12) temporary steel shoring assemblies which become available and are in a condition suitable for re-use under Item 824.9909 "Temporary Shoring for Column Replacement" and as needed.

**CODE 808.9901  
CONCRETE SUBSTRUCTURE CLASS HP END POSTS**

**CODE 808.9902  
CONCRETE SUBSTRUCTURE CLASS XX PARAPETS -WASHINGTON PEDESTRIAN BRIDGE**

**CODE 808.9904  
CONCRETE SUBSTRUCTURE CLASS MC ABUTMENT FOOTING**

**CODE 808.9905  
CONCRETE SUBSTRUCTURE CLASS MC WALL FOOTING**

**CODE 808.9906  
CONCRETE SUBSTRUCTURE CLASS MC WALL STEMS**

**CODE 808.9907  
CONCRETE SUBSTRUCTURE CLASS HP WALL STEMS**

**CODE 808.9908  
CONCRETE SUBSTRUCTURE CLASS HP ABUTMENT STEMS**

**CODE 808.9909  
CONCRETE SUBSTRUCTURE CLASS MC PIER STEMS**

**CODE 808.9910  
CONCRETE SUBSTRUCTURE CLASS HP GIRDER PEDESTALS**

**CODE 808.9911  
CONCRETE SUBSTRUCTURE CLASS HP SPANDREL COLUMNS**

**CODE 808.9912  
CONCRETE SUBSTRUCTURE CLASS HP BACKWALLS**

**CODE 808.9913  
CONCRETE SUBSTRUCTURE CLASS HP BASE CAPS FOR EXISTING PIERS**

**CODE 808.9914  
CONCRETE SUBSTRUCTURE CLASS HP END CAPS FOR EXISTING ARCH BASES**

**CODE 808.9930  
CONCRETE SUBSTRUCTURE CLASS MC PIERS COLUMNS AND CAPS**

**CODE 808.9940  
CONCRETE SUPERSTRUCTURE CLASS HP PARAPETS**

Concrete substructure for the above items shall conform to all the applicable sections of the Rhode Island Standard Specifications for Road and Bridge Construction, Amended December 2010, all applicable compilations of approved specifications and as modified in the revised Sections 601 and 607 included in the Job Specific Specifications of the Contract documents.

**ITEM 820.9901**

**CONCRETE SURFACE TREATMENT PROTECTIVE COATING WITH COLOR TINTING**

**DESCRIPTION:** The work under this item shall consist of furnishing and applying color tinted concrete surface treatment protective coating, the color shall match the existing concrete, as noted on the plans and as directed by the Engineer. The RIDOT will have determined the color match for the concrete surface treatment under Rhode Island Contract 2011-CB-051. The work shall be performed in accordance with the contract drawings, the Rhode Island Standard Specifications for Road and Bridge Construction, Amended December 2010, all applicable compilations of approved specifications, as modified by this special provision, and as directed by the Engineer.

**MATERIALS:** All materials shall conform to the following requirements:  
The concrete surface treatment protective coating shall be a water based two-part epoxy film forming sealer in accordance with Section 820 and shall be on the RIDOT's Approved Materials List.  
Color tint of concrete surface treatment protective coating shall be in accordance with the manufacturer's recommendations.

**CONSTRUCTION METHODS:** All construction shall conform to the following requirements:  
Concrete Surface Treatment shall be in accordance with Section 820 of the RIDOT Standard Specifications for Roads and Bridge Construction.

The Contractor shall provide a concrete surface treatment protective coating submission. The submission shall include the manufacturer's product literature and manufacturer's proposed materials and methods for tinting the coating to the match color determined by the RIDOT.

After the concrete surfaces have been repaired, the surfaces to receive the concrete surface treatment shall be pressure washed in accordance with Item Code 820.0200 "High Pressure Cleaning of Concrete Surfaces". Two (2) coats of the surface treatment shall be applied to the top, bottom and sides of the arches, new and existing state shields, piers, abutments, Spans 14 & 15 south girder bottom flange concrete cope and Pier 14 columns to the limits indicated on the plans. The color tinted concrete surface treatment shall be furnished and applied in accordance with Section 820 of the Rhode Island Standard Specifications for Roads and Bridge Construction.

**METHOD OF MEASUREMENT:** The unit of measurement for the "Concrete Surface Treatment Protective Coating with Color Tinting" item shall be by the "Lump Sum" for the completion of all work specified to the satisfaction of the Engineer.

**BASIS OF PAYMENT:** Payment for the "Concrete Surface Treatment Protective Coating with Color Tinting" will be paid for at the contract unit bid price per "Lump Sum". The payment constitutes full compensation for all labor, tools, materials, equipment, access, submittals, samples and all incidentals necessary to complete the work of this item to the satisfaction of the Engineer.

quarters (3/4) of a pound of chloride per cubic yard at the one-half (1/2) to one (1) inch depth.

**CONSTRUCTION METHODS:**

Surface Preparation – The surfaces to receive the concrete surface treatment shall be pressure washed in accordance with Item Code 820.0200 “High Pressure Cleaning of Concrete Surfaces”. Sufficient water pressure shall be used to remove all curing compounds, laitance, dirt, dust, salt, oil, asphalt, paint or other foreign materials. The cleaned surface to which the sealant is to be applied shall meet the requirements of the manufacturer of the sealant. If necessary, hand tools shall be used as required to remove bonded materials detrimental to treatment of the concrete surface.

The cleaning shall be performed in such a manner as to provide a reasonably uniform surface color appearance.

Concrete surfaces prepared for treatment shall be approved by the Engineer. The cost of all surface preparation shall be included in the price bid for this item of work.

Weather Limitations - The water-clear concrete penetrating sealant shall not applied when the air or concrete surface temperature is less than 40 degree F or above 100 degree F or otherwise below or above manufacturer’s recommended application temperature range. The solution shall not be sprayed when blowing winds of other conditions prevent proper application. The humidity shall be limited to 85% maximum or as recommended by the manufacturer, whichever is lower.

Application - The water-clear concrete penetrating sealant treatment solution shall be used as supplied by the manufacturer and not diluted or altered in any way. Application of sealer shall conform to manufacture’s requirements. The solution shall be sprayed onto the concrete at the manufacturer’s recommended rate of coverage and number of coats. Spray equipment shall be approved by the manufacturer.

Curing of the applied sealer shall be in accordance with the manufacturer’s recommendations.

**METHOD OF MEASUREMENT:** This work will be measured for payment by the numbers of square feet of “Clear Concrete Penetrating Sealant” complete and accepted in place within the lines shown on the plans or as directed by the Engineer.

**BASIS OF PAYMENT:** The quantity determined under “Method of Measurement” section will be paid for at the contract unit price per square feet of “Clear Concrete Penetrating Sealant” complete in place including all surface preparation, material, equipment, tools labor and incidental expense.

All welding associated with the steel repair shall be in accordance with the AASHTO/AWS Bridge Welding Code D1.5. Field welding shall only be performed with the weld inspector present.

Prior to the installation of steel repair plates, the Contractor shall remove the existing paint and blast and tool clean to remove rust, delaminations, corrosion products and other foreign matter within existing steel repainting limit, as shown on drawings.

The cost of removal of the paint, blast and tool clean, surface preparation and repainting of existing steel shall be made under pay item, Code 825.8025 "Surface Preparation To SSPC-SP6 Standards", as well as Code 825.8040 "Painting Existing Structural Steel".

The Contractor shall assume the existing girders are coated with lead-based paint (LBP). The management of LBP shall be in accordance with Code 826.9901 "Management of Lead-Based Painted (LBP) Bridge Components"

The Contractor shall take necessary precaution to prevent debris from falling into the water beneath the bridge.

**METHOD OF MEASUREMENT:** The unit of measurement for the "Repairs to Structural Steel" item shall be by the "Lump Sum" for the completion of all work specified to the satisfaction of the Engineer.

**BASIS OF PAYMENT:** Payment for the "Repairs to Structural Steel" will be paid for at the contract unit bid price per "Lump Sum". The payment constitutes full compensation for all labor, tools, materials, equipment, temporary access and all incidentals necessary to complete the work of this item to the satisfaction of the Engineer.

The cost of field verification of locations, sections loss, repair plate dimensions and shop drawings shall be included under this item of work.

The Contractor is responsible for installing the support system insuring conformance with the proposed utility layout as shown on the plans.

**METHOD OF MEASUREMENT:** The quantity for “Furnish and Install Utility Support” will be measured by the “pound” complete and accepted.

**BASIS OF PAYMENT:** The accepted quantity of “Furnish and Install Utility Support” will be made at the contract unit price bid per “pound” as designated in the Proposal. The price so-stated constitutes full compensation for field measuring, shop drawings, staging, tools labor, equipment and furnishing and installing the temporary drainage system.

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 \$642.50 per ton.

**b. Diesel Fuel.** The Base Price of Diesel Fuel as required to implement **Subsection 938.03.2** of the Standard Specifications is \$3.3923 per gallon.

**CODE T12.9901**

**MAINTENANCE OF TRAFFIC SIGNAL SYSTEMS**

**DESCRIPTION:** This item of work shall conform to the applicable sections of the Standard Specifications for Road and Bridge Construction as defined on Page A-1 of this contract document with the following additions.

This item of work shall consist of performing response maintenance at the temporary traffic signals to be installed under this project at the intersection of Warren Avenue and I-195 Eastbound Off-Ramp.

**MATERIALS:** Materials to be provided under this item shall be in accordance with the Standard Specifications for Road and Bridge Construction.

**CONSTRUCTION METHODS:** The work under this item shall be performed by a traffic signal contractor having demonstrated experience in the construction, operation and maintenance of signal systems similar to those installed in this project.

Prior to the award of the contract, the qualifications of the traffic signal contractor shall be submitted in writing, to the Electrical Inspection Unit of the Rhode Island Department of Transportation for approval by the Chief Electrical Inspector. Upon approval, the traffic signal Contractor will be required to provide the Department with response maintenance and repair services for the duration of the construction project.

The signal contractor shall make provisions for on-call response maintenance service 24 hours a day, 7 days a week, including holidays, at the direction of the Department's Chief Electrical Inspector. Upon notification by the Chief Electrical Inspector the signal contractor shall dispatch qualified personnel to the location to identify and correct any operational problems. The response time is defined as follows:

When notification is received between 7:00 AM and 4:00 PM Monday to Friday the response time shall be no more than 1 hour.

When notification is received at any other time or day the response time shall be no more than 4 hours.

When the Department declares an emergency or dangerous situation exists, the Contractor shall immediately dispatch qualified personnel to eliminate such conditions.

Work shall include, but is not limited to, re-lamping or replacement of broken or cracked lenses, adjustments to the alignment or spacing of signal heads, repairs to detection systems, replacement of controllers or any other cabinet equipment and/or procedures necessary to return the system to normal operation. Prior to performing any work, the estimated scope and cost of the work is to be submitted to the Chief Electrical Inspector for approval. When approved the Contractor shall perform all required work and submit a bill to the Department.

This work will not supersede any Manufacturers or Contractors Warranties as specified in Subsection T.10.02.1 of the Standard Specifications.

**METHOD OF MEASUREMENT:** This item will be calculated for payment by the actual cost, verified by the force account records for approved work performed to maintain the temporary signal at the intersection of Warren Avenue at I-195 Eastbound Off-Ramp. The estimated figure established by the Department and as extended in the bid proposal is an authorized amount from which payments will be drawn. When 90% of the Lump Sum Bid amount has been disbursed, the Engineer will determine if it is necessary to increase the Lump Sum dollar amount to cover the estimated cost to complete the project.

**BASIS OF PAYMENT:** Upon completion of a work task or response call, the Contractor shall submit a bill to the Engineer documenting the actual cost of labor and materials, complete, in place and accepted by the Chief Electrical Inspector. Payment for work under this item "MAINTENANCE OF TRAFFIC SIGNAL SYSTEMS" shall be made by drawing against the force account amount provided in the contract for this item. The only acceptable bid price for Item T12.9901 shall be \$5000.

**Table of Contents - Distribution of Quantities**

Project Name - Washington #200 - Pedestrian Bridge &amp; Warren Avenue Bridge #464

Estimate Name - Addendum No. 3

R.I. Contract No. - 2012-CB-046

FAP Nos: BRO-0200(007)

<b>ItemCode</b>	<b>Description</b>	<b>Page</b>
201.0301	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (4"- 24")	1
201.0302	CUTTING AND DISPOSING ISOLATED TREES AND STUMPS (24'' OR PLUS)	1
201.0321	CLEARING AND GRUBBING	1
201.0401	REMOVE AND DISPOSE GRANITE CURB	1
201.0403	REMOVE AND DISPOSE SIDEWALKS	2
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052	711.0120 Cont.	SY / 9 SF = 14.67 SY				
		STA. 23+61, LT. - 132 SF X 1		15.00	0011	01
		SY / 9 SF = 14.67 SY				
		STA. 33+94, LT. - 144 SF X 1		16.00	0011	01
		SY / 9 SF = 16.00 SY				
		STA. 35+01, LT. - 143 SF X 1		16.00	0011	01
		SY / 9 SF = 15.89 SY				
		STA. 36+00, LT. - 143 SF X 1		16.00	0011	01
		SY / 9 SF = 15.89 SY				
		STA. 36+61, LT. - 143 SF X 1		16.00	0011	01
		SY / 9 SF = 15.89 SY				
<b>Item 711.0120 Total:</b>				<b>94.00</b>		
053	800.9901	<b>FURNISH, FABRICATE, INSTALL, AND REMOVE TEMPORARY PROTECTIVE SHIELD</b>	<b>SF</b>			
		PEDESTRIAN BRIDGE				
		SPAN 6A, 7, 7A		8,400.00	0011	01
		SPANS 1-6 & 8-15		35,500.00	0011	01
		WARREN AVE BRIDGE NO. 464				
		EXISTING BRIDGE		5,000.00	0011	01
		PROPOSED BRIDGE		5,000.00	0011	01
<b>Item 800.9901 Total:</b>				<b>53,900.00</b>		
054	803.9901	<b>SAW CUT EXISTING CONCRETE WALL</b>	<b>LF</b>			
		PEDESTRIAN BRIDGE				
		EAST ABUTMENT		59.00	0011	01
		PIER 13		16.00	0011	01
		WARREN AVENUE BRIDGE NO. 464				
		(ABUTMENTTS & PIERS)				
		N ABUT TOP		26.00	0011	01
		PIER COL. BASE @ FND.		56.00	0011	01
		S ABUT TOP		25.00	0011	01
<b>Item 803.9901 Total:</b>				<b>182.00</b>		

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055	803.9902	PARTIAL REMOVAL AND DISPOSAL OF CONCRETE SUPERSTRUCTURE- VALLEY	SY			

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079	808.0504	CONCRETE SUBSTRUCTURE CLASS XX	CY			
		3/4" WALL FOOTING				
		PEDESTRIAN BRIDGE				
		NE PARAPET WALL		6.00	0011	01
		NW PARAPET WALL		74.00	0011	01
		PYLON FOUNDATIONS WEST AND EAST END OF MEDIAN		8.00	0011	01
		WARREN AVE BRIDGE				
		ABUTMENT FOOTINGS		20.00	0011	01
<b>Item 808.0504 Total:</b>				<b>108.00</b>		
080	808.0508	CONCRETE SUBSTRUCTURE CLASS XX	CY			
		3/4" APPROACH SLABS				
		PEDESTRIAN BRIDGE				
		EAST APPROACH		14.00	0011	01
		VALLEY STREET BR. BIKEPATH		9.00	0011	01
		EAST APPR.				
		VALLEY STREET BR. BIKEPATH		10.00	0011	01
		WEST APPR				
		WEST APPROACH		7.00	0011	01
		WARREN AVENUE BRIDGE				
		WARREN AVE		40.00	0011	01
<b>Item 808.0508 Total:</b>				<b>80.00</b>		
081	808.0602	CONCRETE SUBSTRUCTURE CLASS HP	CY			
		3/4" BACKWALLS				
		WARREN AVENUE BRIDGE NO. 464				
		PIERS, COLUMNS, CAPS		60.00	0011	01
<b>Item 808.0602 Total:</b>				<b>**DELETED**</b>		
082	808.1631	PREFORMED JOINT FILLER BITUMINOUS	SF			
		1/4"				
		WARREN AVENUE BRIDGE NO. 464				

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092	808.9903 Cont.	PEDESTRIAN PATH				
				<b>Item 808.9903 Total:</b>	<b>42.00</b>	
093	808.9904	CONCRETE SUBSTRUCTURE CLASS MC ABUTMENT FOOTINGS PEDESTRIAN BRIDGE EAST ABUTMENT	CY			
				<b>Item 808.9904 Total:</b>	<b>40.00</b>	0011 01
094	808.9905	CONCRETE SUBSTRUCTURE CLASS MC WALL FOOTINGS PEDESTRIAN BRIDGE MEDIAN WALL AT WEST ABUTMENT	CY			
				<b>Item 808.9905 Total:</b>	<b>125.00</b>	0011 01
095	808.9906	CONCRETE SUBSTRUCTURE CLASS MC WALL STEMS PEDESTRIAN BRIDGE ABUTMENT MEDIAN WALL EAST ABUT RETURN WALL	CY			
				<b>Item 808.9906 Total:</b>	<b>177.00</b>	0011 01 0011 01
096	808.9907	CONCRETE SUBSTRUCTURE CLASS HP WALL STEMS PEDESTRIAN BRIDGE NE PARAPET WALL NW PARAPET WALL WARREN AVENUE BRIDGE NO. 464 WINGWALLS	CY			
				<b>Item 808.9907 Total:</b>	<b>49.00</b>	0011 01 0011 01 0011 01
097	808.9908	CONCRETE SUBSTRUCTURE CLASS HP ABUTMENT STEMS	CY			

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105	808.9916 Cont.	WARREN AVENUE BRIDGE NO. 464				
		PARAPET-DECK & APPROACH		20.00	0011	01
<b>Item 808.9916 Total:</b>				<b>646.00</b>		
106	808.9917	CONCRETE BRIDGE SIDEWALK	CY			
		PEDESTRIAN BRIDGE				
		PIER 1		3.00	0011	01
		PIER 10		7.00	0011	01
		PIER 11		3.00	0011	01
		PIER 12		3.00	0011	01
		PIER 13		12.00	0011	01
		PIER 2		3.00	0011	01
		PIER 3		7.00	0011	01
		PIER 4		4.00	0011	01
		PIER 5		4.00	0011	01
		PIER 8		4.00	0011	01
		PIER 9		3.00	0011	01
		SPAN 1		23.00	0011	01
		SPAN 10		27.00	0011	01
		SPAN 11		23.00	0011	01
		SPAN 12		23.00	0011	01
		SPAN 13		23.00	0011	01
		SPAN 2		23.00	0011	01
		SPAN 3		23.00	0011	01
		SPAN 4		27.00	0011	01
		SPAN 5		27.00	0011	01
		SPAN 6		27.00	0011	01
		SPAN 7		30.00	0011	01
		SPAN 8		27.00	0011	01
		SPAN 9		27.00	0011	01
		SPANS 14 & 15		31.00	0011	01
		SPANS 6A & 7A		25.00	0011	01
		WEST ABUTMENT		9.00	0011	01

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106	808.9917	Cont.				
				<b>Item 808.9917 Total:</b>	<b>448.00</b>	
107	808.9919	CONCRETE SUPERSTRUCTURE CLASS XX WALLS	CY			
		BACKING CONCRETE PLANTERS, BENCHES, SCREEN WALL SPAN 6A, 7 & 7A				
		BACKING CONCRETE PLANTERS, BENCHES, SCREEN WALL SPAN 6A, 7 & 7A		64.00	0011	01
		PEDESTRIAN BRIDGE BACKING CONCRETE PLANTERS, BENCHES, SCREEN WALL SPAN 6A, 7 & 7A		69.00	0011	01
				<b>Item 808.9919 Total:</b>	<b>69.00</b>	
108	808.9920	CONCRETE SUPERSTRUCTURE CLASS XX BASTION - MEDIAN	CY			
		PEDESTRIAN BRIDGE PIER 1, 2, 11, 12		5.00	0011	01
		PIER 4, 5, 8, 9		5.00	0011	01
				<b>Item 808.9920 Total:</b>	<b>10.00</b>	
109	808.9921	CONCRETE SUPERSTRUCTURE CLASS XX BASTION - SOUTH PARAPET	CY			
		PEDESTRIAN BRIDGE PIER 1, 2, 11, 12		5.00	0011	01
		PIER 3, 10, 13		10.00	0011	01
		PIER 4, 5, 8, 9		5.00	0011	01
				<b>Item 808.9921 Total:</b>	<b>20.00</b>	
110	808.9922	CLEAN AND RESEAL JOINT IN SLAB PEDESTRIAN BRIDGE	LF			

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137	819.9906 Cont.	PEDESTRIAN BRIDGE				
		EAST ABUTMENT AND PIER 13		15.00	0011	01
				<b>Item 819.9906 Total:</b>	<b>15.00</b>	
138	820.0110	CONCRETE SURFACE TREATMENT (PROTECTIVE COATING)	SF			
		PEDESTRIAN BRIDGE				
		COLUMNS		296.00	0011	01
		EAST ABUTMENT		514.00	0011	01
		PIER 13		104.00	0011	01
		PIER 6		107.00	0011	01
		PIER 7		105.00	0011	01
		WARREN AVENUE BRIDGE				
		NORTH ABUTMENT		145.00	0011	01
		NORTH PIER		118.00	0011	01
		SOUTH ABUTMENT		134.00	0011	01
		SOUTH PIER		114.00	0011	01
				<b>Item 820.0110 Total:</b>	<b>1,637.00</b>	
139	820.0200	HIGH PRESSURE WATER CLEANING OF CONCRETE SURFACES	SF			
		PEDESTRIAN BRIDGE				
		ARCHES		59,000.00	0011	01
		EAST ABUTMENT		1,054.00	0011	01
		PIER 1		571.00	0011	01
		PIER 10		1,062.00	0011	01
		PIER 11		571.00	0011	01
		PIER 13		1,442.00	0011	01
		PIER 14 COLUMNS		887.00	0011	01
		PIER 2		571.00	0011	01
		PIER 3		1,062.00	0011	01
		PIER 4		581.00	0011	01
		PIER 5		581.00	0011	01

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139	820.0200 Cont.	PIER 6A		1,782.00	0011	01
		PIER 6B		1,766.00	0011	01
		PIER 7A		1,766.00	0011	01
		PIER 7B		1,782.00	0011	01
		PIER 8		581.00	0011	01
		PIER 9		581.00	0011	01
		PIER12		571.00	0011	01
		SPAN 14 & 15 SOUTH GIRDER		420.00	0011	01
		COPE				
		STATE SHIELDS AT SOUTH ARCH		167.00	0011	01
		WEST ABUTMENT		234.00	0011	01
<b>Item 820.0200 Total:</b>				<b>77,032.00</b>		
140	820.9901	CONCRETE SURFACE TREATMENT	LS			
		PROTECTIVE COATING WITH COLOR TINT				
		PEDESTRIAN BRIDGE				
		ARCH SPANS		1.00	0011	01
<b>Item 820.9901 Total:</b>				<b>1.00</b>		
141	820.9902	CLEAR CONCRETE PENETRATING SEALER	SF			
		PEDESTRIAN BRIDGE				

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141	820.9902 Cont.	SPANS 6A & 7A		1,880.00	0011	01
				<b>Item 820.9902 Total:</b>	<b>1,880.00</b>	
142	821.1690	SAW & SEALING JOINTS IN BITUMINOUS CONCRETE PAVEMENT PEDESTRIAN BRIDGE PIER 7A WEST ABUT	LF	18.00 11.00	0011 0011	01 01
				<b>Item 821.1690 Total:</b>	<b>29.00</b>	
143	823.1750	ASPHALTIC EXPANSION JOINT SYSTEM PEDESTRIAN BRIDGE 15 JOINTS ON PED BRIDGE	LF	165.00	0011	01
				<b>Item 823.1750 Total:</b>	<b>**DELETED**</b>	
144	823.1755	ASPHALTIC EXPANSION JOINT SYSTEM - MATERIALS AND WORKMANSHIP WARRANTY PEDESTRIAN BRIDGE PED BRIDGE	LF	165.00	0011	01
				<b>Item 823.1755 Total:</b>	<b>165.00</b>	
145	823.1760	STRIP SEAL EXPANSION JOINT ASSEMBLIES PEDESTRIAN BRIDGE EAST ABUTMENT PIER 6 B	LF	28.00 40.00	0011 0011	01 01
				<b>Item 823.1760 Total:</b>	<b>68.00</b>	
146	823.9901	SILCONE EXPANSION JOINT SYSTEM WARREN AVENUE BRIDGE NO. 464 JOINT LOCATIONS	LF	57.00	0011	01
				<b>Item 823.9901 Total:</b>	<b>57.00</b>	

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147	824.0422	AASHTO M270 GRADE 50 STEEL FURNISH FAB. & ERECT BUILT UP SIMPLE SPANS PEDESTRIAN BRIDGE SPAN 7	LBS	87,000.00	0011	01
<b>Item 824.0422 Total:</b>				<b>87,000.00</b>		
148	824.0610	WELDED STUD SHEAR CONNECTORS 7/8 INCH DIAMETER PEDESTRIAN BRIDGE PLAZA WARREN AVENUE BRIDGE NO. 464 PROJECT WIDE	EACH	504.00 1,508.00	0011	01
<b>Item 824.0610 Total:</b>				<b>2,012.00</b>		
149	824.9901	AASHTO M270 GRADE 50 STEEL FURNISH FAB. & ERECT ROLLED CURVED (SMALL RADIUS) WARREN AVENUE BRIDGE NO. 464 PROJECT WIDE	LBS	94,000.00	0011	01
<b>Item 824.9901 Total:</b>				<b>94,000.00</b>		
150	824.9902	REPAIRS TO STRUCTURAL STEEL PEDESTRIAN BRIDGE SPAN 7	LS	1.00	0011	01
<b>Item 824.9902 Total:</b>				<b>1.00</b>		
151	824.9903	TEMPORARY SHORING OF GIRDERS FOR BEARING REPLACEMENT -PIER 13 AND EAST ABUTMENT PEDESTRIAN BRIDGE LUMP SUM	LS	1.00	0011	01
<b>Item 824.9903 Total:</b>				<b>1.00</b>		

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156	824.9909 Cont.	SPAN 6		1.00	0011	01
<b>Item 824.9909 Total:</b>				<b>12.00</b>		
157	824.9910	<b>FURNISH FABRICATE AND ERECT</b>	<b>LBS</b>			
		<b>STRUCTURAL STEEL SUPPORT SYSTEM</b>				
		<b>FOR GFRC GIRDER FASCIA</b>				
		PEDESTRIAN BRIDGE				
		SPAN 14 & 15 NORTH FACADE		4,800.00	0011	01
<b>Item 824.9910 Total:</b>				<b>4,800.00</b>		
158	824.9911	<b>FURNISH AND INSTALL UTILITY SUPPORT</b>	<b>LBS</b>			
		PEDESTRIAN BRIDGE				
		PIER 10		80.00	0011	01
		PIER 13		150.00	0011	01
		PIER 3		80.00	0011	01
		SPAN 6A 7 AND 7A		4,280.00	0011	01
		SPANS 1 - 3		2,250.00	0011	01
		SPANS 11 - 13		2,250.00	0011	01
		SPANS 4 - 6		2,250.00	0011	01
		SPANS 8 - 10		2,250.00	0011	01
		WATER STREET SPAN		3,600.00	0011	01
		WEST ABUT		175.00	0011	01
<b>Item 824.9911 Total:</b>				<b>17,365.00</b>		
159	825.8025	<b>SURFACE PREPARATION TO SSPC-SP6</b>	<b>SF</b>			
		<b>STANDARDS</b>				
		PEDESTRIAN BRIDGE				
		SPAN 14 & 15 EXISTING STEEL		40.00	0011	01
		AT GFRC SUPPORT CONNECTIONS				
		SPAN 7		7,800.00	0011	01
<b>Item 825.8025 Total:</b>				<b>7,840.00</b>		
160	825.8040	<b>PAINTING EXISTING STRUCTURAL STEEL</b>	<b>SF</b>			

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160	825.8040 Cont.	PEDESTRIAN BRIDGE				
		SPAN 14 & 15 EXISTING STEEL		40.00	0011	01
		AT GFRC SUPPORT CONNECTIONS				
		SPAN 7		7,800.00	0011	01

**Distribution of Quantities**

Project Name - Washington #200 - Pedestrian Bridge & Warren Avenue Bridge #464  
 Estimate Name - Addendum No. 3  
 R.I. Contract No. - 2012-CB-046  
 FAP Nos: BRO-0200(007)

<b>Item No.</b>	<b>Item Code</b>	<b>Description</b>	<b>UM</b>	<b>Qty.</b>	<b>Pay Code</b>	<b>Seq. No.</b>
160	825.8040 Cont.	<b>Item 825.8040 Total:</b>		<b>7,840.00</b>		
161	825.8045	<b>PAINTING STRUCTURAL STEEL</b>	<b>SF</b>			
		PEDESTRIAN BRIDGE				
		SPAN 7		3,900.00	0011	01
		WARREN AVENUE BRIDGE NO. 464				
		STEEL SUPERSTRUCTURE		5,600.00	0011	01
		<b>Item 825.8045 Total:</b>		<b>9,500.00</b>		
162	826.0100	<b>CONTAINMENT, COLLECTION, STORAGE</b>	<b>LS</b>			
		<b>AND DISPOSAL OF DEBRIS AND SPENT MATERIALS</b>				
		PEDESTRIAN BRIDGE				
		PEDESTRIAN BRIDGE		1.00	0011	01
		<b>Item 826.0100 Total:</b>		<b>1.00</b>		
163	826.0200	<b>PERSONNEL PROTECTION DURING</b>	<b>LS</b>			
		<b>PAINTING AND CLEANING OPERATIONS</b>				
		PEDESTRIAN BRIDGE				
		PEDESTRIAN BRIDGE		1.00	0011	01
		<b>Item 826.0200 Total:</b>		<b>1.00</b>		
164	826.9902	<b>ASBESTOS ABATEMENT</b>	<b>LS</b>			
		PEDESTRIAN BRIDGE				
		PROJECT WIDE		1.00	0011	01
		<b>Item 826.9902 Total:</b>		<b>1.00</b>		
165	826.9903	<b>REMOVAL AND DISPOSAL OF</b>	<b>LS</b>			
		<b>PCB-IMPACTED CONCRETE</b>				
		PEDESTRIAN BRIDGE				
		OPERATOR'S HOUSE		1.00	0011	01
		<b>Item 826.9903 Total:</b>		<b>1.00</b>		

**Distribution of Quantities**

Project Name - Washington #200 - Pedestrian Bridge & Warren Avenue Bridge #464  
 Estimate Name - Addendum No. 3  
 R.I. Contract No. - 2012-CB-046  
 FAP Nos: BRO-0200(007)

<b>Item No.</b>	<b>Item Code</b>	<b>Description</b>	<b>UM</b>	<b>Qty.</b>	<b>Pay Code</b>	<b>Seq. No.</b>
177	830.9903 Cont.	SPAN 4 TO PIER 4		120.00	0033	04
		SPAN 5 TO PIER 5		120.00	0033	04
		SPAN 6		112.00	0033	04
		SPAN 8 TO PIER 8		125.00	0033	04
		SPAN 9 TO PIER 9		120.00	0033	04
		SPAN 10 TO PIER 10		125.00	0033	04
		SPAN 11 TO PIER 11		206.00	0033	04
		SPAN 12 TO PIER 12		206.00	0033	04
		SPAN 13 TO PIER 13		230.00	0033	04
		SW PYLON TO WEST ABUTMENT		180.00	0033	04
		WATER STREET RAMP TO SWPYLON		700.00	0033	04
<b>Item 830.9903 Total:</b>				<b>3,057.00</b>		
178	830.9904	<b>STEEL FENCE TYPE 1D</b>	<b>LF</b>			
		PEDESTRIAN BRIDGE (NORTH ELEVATION)				
		SPAN 7		1,154.00	0033	04
		SPAN 7		126.00	0033	04
<b>Item 830.9904 Total:</b>				<b>126.00</b>		
179	830.9905	<b>STEEL RAILING INFILL PANELS -</b>	<b>LF</b>			
		<b>SWITCHBACK RAILING AT GANO STREET</b>				
		PEDESTRIAN BRIDGE				
		SW PYLON TO WEST ABUTMENT		1,154.00	0033	04
<b>Item 830.9905 Total:</b>				<b>1,154.00</b>		
180	830.9906	<b>STEEL RAILING INFILL PANELS -</b>	<b>LF</b>			
		<b>STAIRWAY RAILING AT GANO STREET</b>				
		PEDESTRIAN BRIDGE				
		STAIRWAY		133.00	0033	04
<b>Item 830.9906 Total:</b>				<b>133.00</b>		
181	832.8050	<b>BRIDGE MINIMUM CLEARANCE SIGNS</b>	<b>EACH</b>			

**Distribution of Quantities**

Project Name - Washington #200 - Pedestrian Bridge & Warren Avenue Bridge #464  
 Estimate Name - Addendum No. 3  
 R.I. Contract No. - 2012-CB-046  
 FAP Nos: BRO-0200(007)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
332	T20.9905	Cont.		1.00	0011	01
<b>Item T20.9905 Total:</b>				<b>3.00</b>		
333	T20.9906	EPOXY RESIN PAVEMENT MARKING WORD "EXIT" STANDARD 20.1.0 SIGNING AND STRIPING PLAN 3	EACH	2.00	0011	01
		SIGNING AND STRIPING PLAN 4		2.00	0011	01
<b>Item T20.9906 Total:</b>				<b>4.00</b>		
334	T20.9907	EPOXY RESIN PAVEMENT MARKING WORD :STOP" STANDARD 20.1.0 SIGNING AND STRIPING PLAN 5	EACH	1.00	0011	01
<b>Item T20.9907 Total:</b>				<b>1.00</b>		
335	808.9930	CONCRETE SUBSTRUCTURE CLASS MC PIERS COLUMNS AND CAPS WARREN AVENUE BRIDGE NO. 464 PIERS COLUMNS CAPS	CY	60.00	0011	01
<b>Item 808.9930 Total:</b>				<b>60.00</b>		
336	808.9940	CONCRETE SUPERSTRUCTURE CLASS HP PARAPETS WARREN AVENUE BRIDGE NO.464 PARAPET AT BRIDGE AND APPROACHES	CY	20.00	0011	01
<b>Item 808.9940 Total:</b>				<b>20.00</b>		
337	T12.0004	ACTUATED CONTROLLER TS-2, TYPE 1 W/4 PHASE ASSEMBLY POLE MOUNTED INCLUDING CABINET STD. 19.1.1	EACH			

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 R.I. Contract No. - 2012-CB-046  
 FAP Nos: BRO-0200(007)

<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>
337	T12.0004 Cont.	WARREN AVENUE				
		WARREN AVENUE TEMPORARY		1.00	0011	01
		SIGNAL				
<b>Item T12.0004 Total:</b>				<b>1.00</b>		