

April 11, 2014

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7548620

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2014-CH-031

FEDERAL-AID PROJECT NO. FAP Nos: HPP-0369(003)

South County Bike Path Maintenance & Signing Contract

Kingston Station, South Kingstown to Mumford Road, Narragansett

CITY/TOWN OF South Kingstown, Narragansett

COUNTY OF WASHINGTON

NOTICE TO PROSPECTIVE BIDDERS

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

A. Contract Documents

1. Specifications – Job Specific

DELETE pages JS-22 and JS-23 in their entirety and REPLACE them with revised pages JS-22(R-1) and JS-23(R-1) attached to this Addendum No. 1. Specification updated to include the use of existing or new PVC sleeves.

DELETE page JS-29 in its entirety and REPLACE it with revised page JS-29(R-1) attached to this Addendum No. 1. Price Adjustments revised.

DELETE pages JS-34 in its entirety and REPLACE it with revised page JS-34(R-1) attached to this Addendum No. 1. Specification updated to include the use of high density polyethylene (HDPE).

DELETE pages JS-35 and JS-36 in their entirety and REPLACE them with revised pages JS-35(R-1) and JS-36(R-1) attached to this Addendum No. 1. Specifications updated to require the use of Non-Destructive means to locate the existing reinforcing in the precast structure.

B. Drawings/Plans - Change/Addition

1. Details – 1, Sheet 37 of 39

DELETE Details – 1, Sheet 37 of 39 in its entirety and REPLACE it with Sheet 37 of 39 (R-1) attached to this Addendum No. 1. Revisions to details and notes on sheet.



RI Department of Transportation
Chief Engineer

CODE 903.9905

ALUMINUM METAL HANDRAIL ON POSTS

CODE 903.9906

ALUMINUM METAL RAILING AND HANDRAIL

DESCRIPTION: The work will involve furnishing and installing aluminum railing and handrails of the design shown on the Plans in the locations indicated on the Plans and as directed by the Engineer.

MATERIALS: Posts, rails and handrail shall be aluminum alloy 6063-T6. All fittings and fasteners for attaching the handrail to the railing shall be aluminum. If new anchoring sleeves are needed they shall be PVC. Finish for the railing, handrail and associated fasteners shall be black anodized.

SUBMITTALS: The contractor shall submit to the Engineer for approval shop drawings and catalog cuts of the railing and handrails prior to beginning fabrication.

CONSTRUCTION METHODS: Prior to fabrication, the contractor shall verify dimensions with actual field measurements to ensure the installed system conforms to the lines and grades indicated on the Plans. Placement of the handrail, including handrail dimensions along ramped sections of the bike path shall conform to the applicable requirements of the American's with Disabilities Act (ADA). Shop drawings and manufacturer catalogue cuts for the selected railing and handrail systems shall be submitted to the Engineer for approval prior to fabrication. Details to be included with this submittal shall include but not be limited to handrail attachment to the railing and anchoring system in earth and in the retaining walls.

Anchoring of posts for railing shall be in the existing sleeves or new PVC sleeves set in concrete which allow for removal of railing segments.

METHOD OF MEASUREMENT: Item Code 903.9906 "Aluminum Metal Railing and Handrail" will be measured for payment by the linear feet of railing and handrail actually installed in accordance with the Plans and/or as directed by the Engineer, measured from centerline of post complete in place and accepted.

Item Code 903.9905 "Aluminum Metal Handrail on Posts" will be measured for payment by the linear feet of handrail actually installed in accordance with the Plans and/or as directed by the Engineer, measured from centerline of post complete in place and accepted.

BASIS OF PAYMENT: The accepted quantities of Item Code 903.9906 "Aluminum Metal Railing and Handrail" and Item Code 903.9905 "Aluminum Metal Handrail on Posts" will be paid for at the contract unit price per linear foot as listed in the proposal. The price so stated constitutes full and complete compensation for all labor, material and equipment, including mounting and anchoring hardware, excavation, installation, concrete footings for anchor systems in earth, installation in existing or new sleeves as necessary and all other incidentals required to finish the work, complete and accepted by the Engineer.

CODE 938.1000

PRICE ADJUSTMENT

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 \$615.00 per ton as of 04/01/2014.

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

b. Diesel Fuel. The Base Price of Diesel Fuel as required to implement **Subsection 938.03.2** of the Standard Specifications is \$3.1265 per gallon as of 04/01/2014

CODE L16.9901

ROOT BARRIER

DESCRIPTION: This work consists of furnishing and installing a root barrier system along portions of the path as shown on the Plans and/or as directed by the Engineer.

MATERIALS: Root barrier shall come in rolls and be made from high density polyethylene (HDPE) 60mil thick. Root barrier shall contain a minimum of 50% post-consumer recycled content. Root barrier product shall be for a linear installation.

Barrier shall be supplied in rolls of 24 inch depth.

CONSTRUCTION METHODS: The root barrier shall be installed as per the manufacturer's instructions, but will generally consist of the following:

Root barrier shall be installed as shown on the plans parallel to the edge of the path, 3 feet off the edge of the path.

A trench shall be cut cleanly to the root barrier depth. Material excavated from trench shall be stockpiled on the path side of the trench. Trench width shall be as recommended by manufacturer.

Install barrier in accordance with manufacturer's recommendations.

Backfill with select material or gravel borrow to grade.

Loam and seed the areas disturbed by the installation of the barrier.

METHOD OF MEASUREMENT: Item Code L16.9901 "Root Barrier" will be measured by the linear feet of root barrier actually installed in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENT: The accepted quantities of Item Code L16.9901 "Root Barrier" will be paid for at the contract unit price per linear foot as listed in the Proposal. The price so stated constitutes full and complete compensation for all labor, materials and equipment, including excavation and backfilling, the installation of root barrier and all other incidentals required to finish the work, complete and accepted by the Engineer.

CODE T01.9905

WALL MOUNTED LUMINAIRE REPLACEMENT

DESCRIPTION: This work consists of the removal of an existing wall mounted luminaire and furnishing and installing a fluorescent luminaire with a vandal resistant lens. The vandal resistant luminaire will be fastened to the pre-cast structure at the approximate location of the existing luminaire or as required by the Engineer, all in accordance with these Specifications.

MATERIALS: Contractor shall provide a 3/4" 90 degree (4.5" radius) Rigid Galvanized Steel conduit elbow for connection from the existing junction box next to the existing luminaire being removed to the end cap of the luminaire and extend power conductors into the luminaire.

Luminaire shall be:

Luminaire Lighting Corporation VPF 8 4HO 2F54T5HO 120 CP WHT WET GLR

Philips Stonco Survi'VR V Series S VN C 2 54 B K2Y W F

Exceline ProTector V Series P VN C 2 54 B K2Y W F

Or approved equal

Marine grade heat treated extruded aluminum that is chemically primed and finished with robotically applied polyester powder coat.

Lens shall be extruded UV stabilized polycarbonate with integral prisms and a minimum wall thickness of 0.156" secured to housing with die cast aluminum clamps and 6 stainless steel TORX® head screws.

Endcaps shall be die cast marine grade aluminum with provision for surface conduit entry through a knockout sized for 3/4" RGS conduit.

Ballast shall be electronic high frequency with 0 degree F starting temperature.

Sockets shall be precision spring loaded snap type for maximum impact damping.

Luminaire shall be UL Listed for Wet locations with Silicone and neoprene gasketing.

Luminaire shall be provided with a fuse and fuse holder.

Lamping shall be 2-T5HO consisting of two 4-foot T5 high output lamps. T5HO lamps shall have amalgam technology suitable for a wide range of ambient temperatures. Lamps shall operate with a luminous flux greater than 90 % in a temperature range from +5 °C to +70 °C. Additionally, lamps shall have the following specifications: 24,000+ hours life, 4850+ lumens

initial, 3000-3500K color temperature, 80+ CRI. Lamps shall be:
Sylvania Pentron C FP54/835/C/HO/ECO
Osram FQ 54W/830 HO CONSTANT
Or approved equal

Contractor shall order lamps separately or coordinate lamp specifications with luminaire manufacturer.

CONSTRUCTION METHODS: Remove and legally dispose of existing luminaire. Seal holes of expansion anchors with non-shrink grout.

The luminaire shall be mounted with stainless steel, tamper resistant hardware to the pre-cast structure. Stainless steel expansion sleeves shall be drilled into the pre-cast structure for support of the Luminaire. The Contractor shall locate the existing reinforcing steel by non-destructive means to avoid interference with and damage to the reinforcing during the installation of the expansion sleeves. The Contractor shall submit the means of detecting the reinforcing to the Engineer for approval.

Luminaire location may be offset up to 3 feet from the location of the existing luminaire to align the conduit into the end cap of the luminaire. All luminaires in the underpass shall offset in the same direction.

Power each light fixture from the circuit of the fixture being replaced.

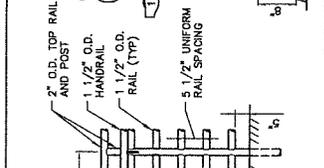
Contractor shall be aware that the existing Woodruff Ave Underpass system was designed to have all light fixtures operate during daytime hours and only two luminaires at night.

METHOD OF MEASUREMENT: Item Code T01.9905 "Wall Mounted Luminaire Replacement" will be measured for payment by the unit "Each" for the number of units actually installed in accordance with the Plans and/or as directed by the Engineer.

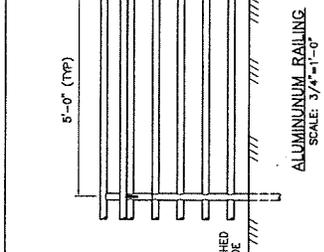
BASIS OF PAYMENT: The accepted quantities of Item Code T01.9905 "WALL MOUNTED LUMINAIRE REPLACEMENT" will be paid for at the contract unit price per "Each" as listed in the Proposal. The price so-stated constitutes full and complete compensation for all materials, including luminaire, ballast, fluorescent lamps, wire, mounting hardware, conduit connection, installation, testing, removal and legal disposal of existing luminaire, all labor, tools, equipment and all other incidentals required to finish the work, complete and accepted by the Engineer.

| REV. NO. | DATE | DESCRIPTION | BY | CHKD. |
|----------|------|--------------|----|-------|
| 1 | R.L. | PP-0368(003) | 37 | 39 |

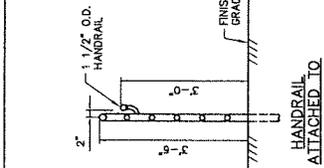
NOTES:
 1. ALL RAILINGS TO BE SET PLUMB
 2. NEW SLEEVES, IF NEEDED SHALL BE PVC.



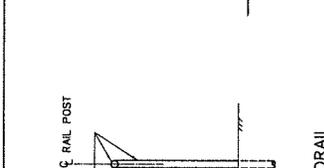
RAILING ANCHORAGE IN WALL
 SCALE: 1/4" = 1'-0"



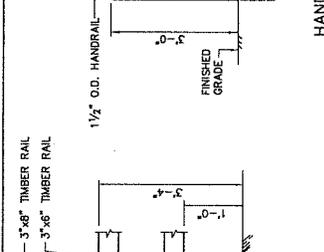
ALUMINUM RAILING
 SCALE: 3/4" = 1'-0"



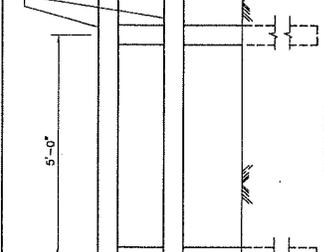
HANDRAIL ATTACHED TO RAILING
 SCALE: 3/4" = 1'-0"



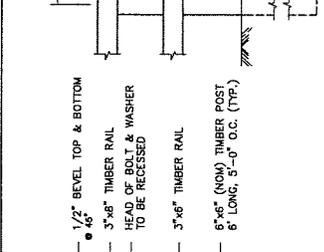
HANDRAIL ON POST
 SCALE: 3/4" = 1'-0"



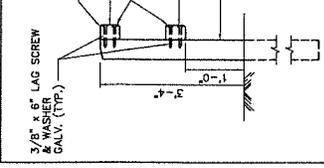
WOOD RAIL FENCE WIRE
 NOT TO SCALE
 REPAIR TYPE (O)



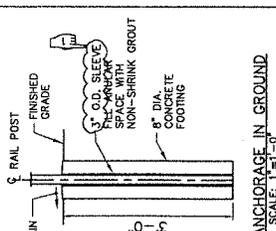
COLLAPSIBLE BOLLARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (F) & (M)



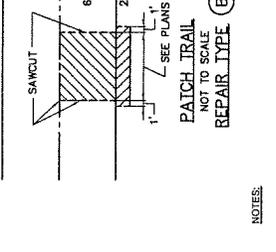
SHARED LANE MARKING DETAIL
 NOT TO SCALE
 REPAIR TYPE (S)



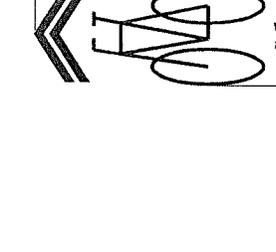
PATCH TRAIL
 NOT TO SCALE
 REPAIR TYPE (B)



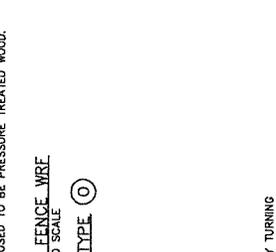
RAILING ANCHORAGE IN GROUND
 SCALE: 1/4" = 1'-0"



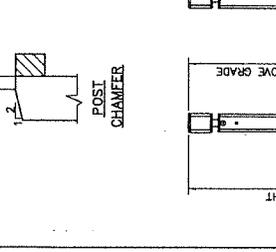
TYPICAL INTERSECTION PAVEMENT MARKINGS
 NOT TO SCALE
 REPAIR TYPE (R)



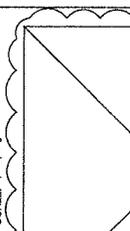
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



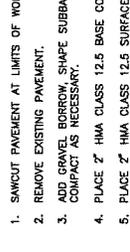
PATCH TRAIL
 NOT TO SCALE
 REPAIR TYPE (B)



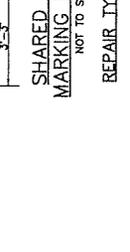
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



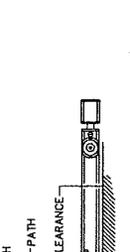
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



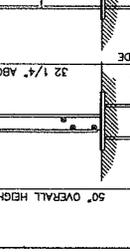
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



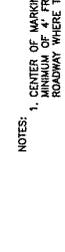
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



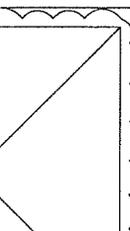
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



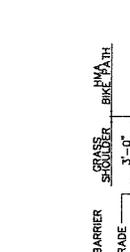
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



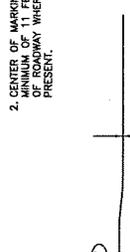
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



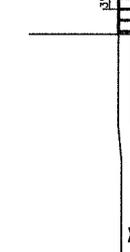
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



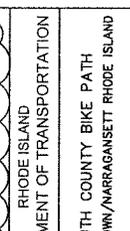
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



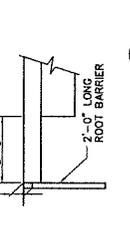
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



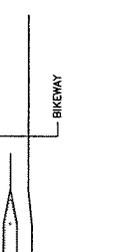
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



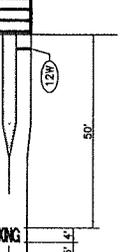
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



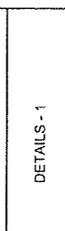
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



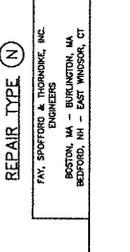
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



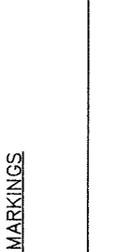
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



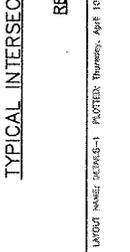
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



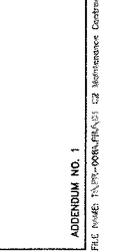
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



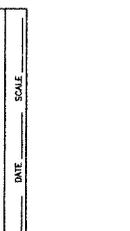
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



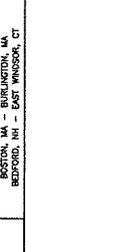
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



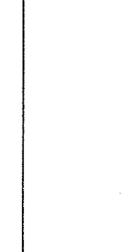
SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)



SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)

SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)

SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)

SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)

SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)

SANDWICH BOARD DETAIL
 NOT TO SCALE
 REPAIR TYPE (B)

ADDITION NO. 1
 FILE NAME: P:\PP-0368\FAC01 02 Maintenance Contract\Addendum No. P-07-08-06.dwg LAYOUT NAME: DETAILS-1 PLOTTER: Thompson, April 10, 2014 - 1:30pm USDT: General