

February 13, 2006

ADDENDUM NO. 5
to
PROJECT MANUAL
for

New Castle Avenue Roadway from Marcy Street to the Bridge over Piscataqua River Inlet and
Seawall Project
Bid Proposal #26-06
PORTSMOUTH, NEW HAMPSHIRE

NOTICE TO ALL BIDDERS

The attention of all Bidders submitting Proposals for the above noted Project is called to the following Addendum to the printed Specifications and Contract Drawings. The items set forth herein, whether omission, addition, or substitution are to be included in, and form part of, the Specifications and Drawings for the above named Project.

Make the following changes to the Contract Documents:

- On Drawing 8A, revise the 4" Thick Temp Trench Pvmnt detail to read "2-inch Temp Trench Pvmnt" and revise detail to show only one 2-inch lift of top course pavement.

- On page 15, on the bid form, just before Bid Item #1, insert the following statement:

"The following Bid Items (Bid Items 1 through 28) are of construction related to the City of Portsmouth's water and sewer systems only, and are separated for funding separation purposes. Bid items related to the water and sewer are paid by the unit."

- Make the following changes to SECTION 02665 - PIPING, VALVES AND APPURTENANT WORK:

Replace 3.08, Trench Paving, Article A, Trench Paving, with the following:

- A. Trench Pavements. After the trenches have been backfilled and compacted, the Contractor shall install a temporary 2-inch thick bituminous concrete pavement trench patch, consisting of one 2 -inch top course, upon a gravel base. Prior to installation, the original pavement on either side of the trench shall be cut back as necessary to achieve clean, straight lines. All loose material shall then be removed to proper depth and disposed of in an approved manner. The trench subgrade shall be rerolled, reshaped and recompactd as necessary to receive temporary pavements. The edges of abutting pavements shall be coated with an asphalt emulsion to assure a satisfactory watertight bond between new and existing pavements. The finished grade of temporary pavements shall match the adjoining undisturbed pavement.

- a. Water Main Installation: Depending on the sequence of construction, the Engineer may elect not to install a temporary trench patch, if the water main installation is done concurrent with the roadway reconstruction._
- b. Sewer Main Repair: The Contractor shall maintain the trench pavement so that it is suitable for travel as determined by the Engineer for at least one year after completion of the sewer repair, or until the final roadway reconstruction is underway.

➤ Insert the following Special Provision:

SPECIAL PROVISION
SECTION 608 -- SIDEWALK
Item 608.53 – Detectable Warning Panels, Red (Sidewalk Ramps)

This Special Provision provides for Item 608.53 and neither modifies nor amends any provisions of this section unless specifically noted.

Item 608.4 – ADA Compliant Handicap Ramp

This special provision provides for the installation of handicap accessible ramp surfaces (Detectable Warning Pavers) to be in compliance with the Americans with Disabilities Act (ADA). This Special Provision provides for Item 608.4 and neither modifies nor amends any other provisions of this section unless specifically noted.

Description

1.1 This work shall consist of furnishing and installing a detectable warning surface and accessories on sidewalk ramps at locations shown on the plans, as specified herein, or as ordered including any and all required surface preparation. Detectable warnings shall be installed at sidewalk ramps where a sidewalk crosses a vehicular way, excluding unsignalized driveway crossings. The edge nearest the curb-line shall be located 150 to 200 mm (6 to 8 in) from the face of curb-line. The paver shall be centered on the ramp.

Materials

2.1 Detectable Warning Device:

2.1.1 Material. The detectable warning surface shall consist of Engineered Plastic units or approved equal. The units will be pressed into Portland cement or other Owner approved material.. The paver units shall be Armor Tile as manufactured and supplied by Engineered Plastic, Inc., 300 International Dr Suite 100, Williamsville, NY 14221, 1-800-769-4463, www.armor-tile.com

2.1.2 Color. The color of the tile used for concrete or asphalt sidewalks shall be red, the color for brick sidewalks shall be light gray, all would be installed in a concrete ramp as

described above.

2.1.3 Paver Dimensions. Nominal paver dimensions shall be 2' deep x 3' wide.

2.1.4 Detectable Warning Truncated Dome Geometry:

2.1.4.1 Detectable warnings shall be in full compliance with ADAAG guidelines (Title 49 DFR Transportation, Part 37.9 Standard for Accessible Transportation Facilities, Appendix A, Section 4.29.2- Detectable Warning on Walking Surfaces).

2.1.4.2 Size and spacing for truncated domes shall be as follows: base diameter of nominal 0.9 inch, top diameter of nominal 0.4 inch, height of nominal 0.2 inch, with a center to center spacing of nominal 2.35 inches.

2.1.4.3 The truncated dome pattern shall align properly from paver to paver if more than 1 paver is required.

2.2 Setting Bed Material

2.2.1 Material. Pavers shall be set into fresh concrete before it sets. See ramp specification above (608.26). Also see manufacturer instructions.

Construction Requirements

- 3.1** The Contractor shall submit manufacturer's installation instructions and descriptive literature for materials specified herein.
- 3.2** Transport, storage, and handling of products shall be in accordance with manufacturer's instructions.
- 3.2.1** All sealants/adhesives shall be protected from freezing conditions.
- 3.3** The air and surface temperatures during construction shall be in accordance with manufacturer's recommendations.
- 3.4** Concrete foundation shall be installed in accordance with the specifications included within Section 608 to depths indicated in the section shown on the plans.
- 3.5** Install detectable warning pavers in accordance with manufacturer's instructions directly in the setting bed and the allowing the top surface of the paver units to be at or just below the required finish grade.
- 3.6** Care shall be taken to ensure the safety of pedestrians when sidewalks must remain in service during construction.

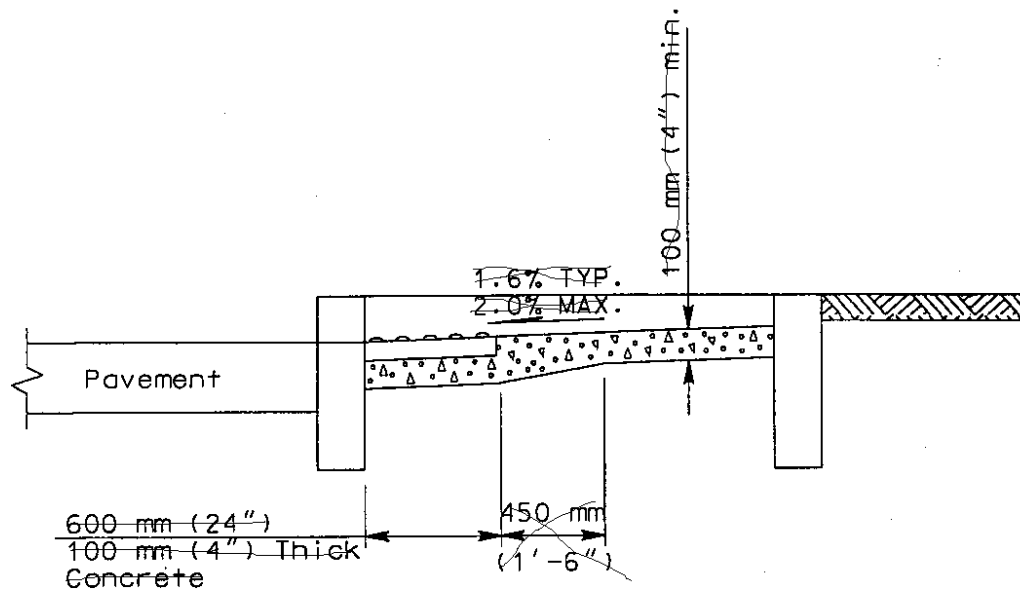
Method of Measurement

- 4.1** These are measured by the square foot under the handicapped ramp item.

Basis of Payment

Pay Item and Unit		
608.4	ADA Compliant Handicap Ramp (Detectable Warning Pavers) Color shall be red	Square Foot

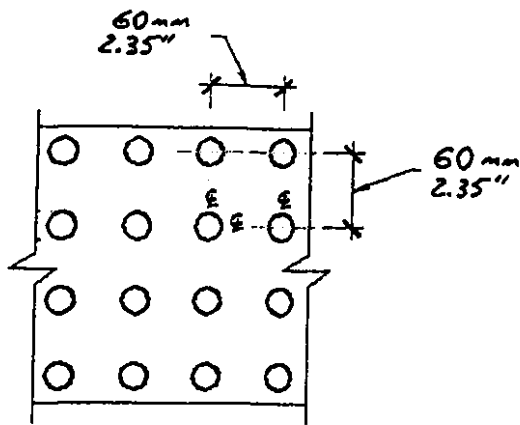
Please acknowledge receipt of this addendum within your proposal. Failure to do so may subject a bidder to disqualification.



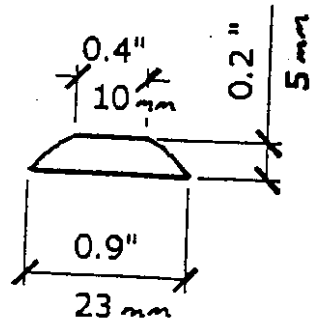
SECTION

GENERAL NOTES

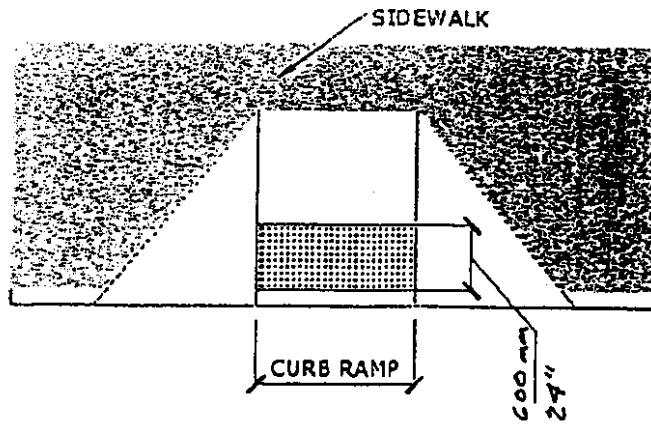
1. THE MAXIMUM RUNNING SLOPE OF ANY SIDEWALK CURB RAMP IS 12:1. THE MAXIMUM CROSS SLOPE IS 2%. THE SLOPE OF THE LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION.
2. TRANSITIONS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. ROADWAY SHOULDER SLOPES ADJOINING SIDEWALK CURB RAMP SHALL BE A MAXIMUM OF 5% (FULL WIDTH) FOR A DISTANCE OF 600 mm (2 FT.) FROM THE ROADWAY CURBLINE.
3. INTERCEPT DRAINAGE ALONG THE CURB IN ADVANCE OF SIDEWALK CURB RAMP OR LANDINGS. CATCH BASINS, MANHOLES, ETC. SHALL NOT BE LOCATED IN, OR AT THE BASE OF, SIDEWALK CURB RAMP OR LANDINGS.
4. THE BOTTOM OF THE SIDEWALK CURB RAMP OR LANDING, EXCLUSIVE OF THE FLARED SIDES, SHALL BE WHOLLY CONTAINED WITHIN THE CROSSWALK MARKINGS.
5. THE SURFACE OF A PERPENDICULAR SIDEWALK CURB RAMP OR THE LANDING OF A PARALLEL SIDEWALK CURB RAMP SHALL CONTRAST VISUALLY WITH THE ADJOINING SIDEWALK SURFACE, EITHER ASPHALT/LIGHT-COLORED CONCRETE OR LIGHT-COLORED CONCRETE/DARK-STAINED CONCRETE. THE CONCRETE SURFACE SHALL BE SLIP RESISTANT.
6. INSTALL DETECTABLE WARNINGS (TRUNCATED DOMES) AT THE LOCATIONS SHOWN. DETECTABLE WARNINGS SHALL MEASURE 600 mm (24") IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE SIDEWALK RAMP, AND THE EDGE NEAREST THE CURBLINE SHALL BE LOCATED 150 mm TO 200 mm (6"-8") FROM THE FACE OF CURBLINE.



Dome Spacing



Dome Section



Illustrates 24" deep detectable warning located near the street edge of the curb ramp.

Transition Ramp with Detectable Warning