

ADENDUM 1

for

Market Street Sidewalk Project

Federal project Number X-A0003 (368)

State Project Number 14428

City Bid #15-08

Rockingham County

State of New Hampshire

The bid opening will be on Friday, November 30, 2007 at 2:00 pm, instead of November 27, 2007.

The attached Proposal Form (pages 8-12) replaces the original Proposal Form (pages 9-13).

This addendum forms part of the original document marked bid number 15-08.

The questions are in bold and the answers are italicized.

Question 1: The Special Provision in Section 105 (page 48) describes the limits of work as “Market Street as shown on the plans.” The plans show work on both the north and south sides of Market Street but there are indications that work under the current proposal will be limited to the north side only from Michael Succi Drive to the Port Authority entrance. Please clarify.

The limit of work shall be the section of sidewalk from Michael Succi Drive to the Port Authority driveway and will not include the sidewalk from Chamber of Commerce to the Albacore Driveway.

Question 2: In Section 608:

- 1) Page 50 specifies 6” concrete at handicap ramps, pay item 608.26. There is no item 608.26 on the Proposal Form.**
- 2) On page 51 the concrete sidewalks on the bridge deck are specified as 8” thick. The Proposal Form lists the concrete sidewalks as 10” thick (Item 608.21).**

1) The Attached Proposal Form has been revised to include this item as well as the ADA Compliant Handicap Ramp Panels. The specification for the ADA Compliant Handicap Ramp Panels is attached.

- On page 53 add the following after “...6” concrete sidewalk”, add “, except Item 608.52 ADA Compliant Handicap Ramp Panels”.*
- The ADA Compliant Handicap Ramp at the Albacore driveway is not included and shall be standard sidewalk with granite curbing.*

2) The concrete sidewalks will be 8” and this has been changed on the attached proposal form

Question 3: How thick is the existing asphalt?

Depth is unknown

Question 4: What section would we be cold planning? There is a separate item for bridge pavement removal.

Cold planning item has been removed from Proposal Form.

Question 5: Pavement markings are shown on the plans but are not listed on the Proposal Form.

The pavement marking for the roadway from NH Port Authority to Michael Succi Drive will be included as part of this project. Item #'s 632.0104, 632.0112, 632.0118 and 632.020 have been included on the Proposal Form.

Question 6: Pedestrian signals are shown on the plans but are not listed on the Proposal Form.

The Pedestrian signals and associated equipment at the NH Port Authority driveway and Michael Succi Drive are included in this project and have been incorporated on the attached Proposal Form, however the pedestrian signals and associated equipment at the Albacore Driveway have been removed from this project.

Delete original Item 616.101 or (Item 616.191) – Traffic Signals or (Alterations to Traffic Signals and replace with attached specification for Item 616.101 or (Item 616.191) ~ revised 11/19/07.

Question 7: Fewer quantities in the Proposal Form then appear needed based on the plans.

The project will be constructing the sidewalk and pedestrian crossings from Michael Succi Drive to the NH Port Authority; therefore the quantities are based on this portion of the project.

Question 8: The traffic pedestrian signals are not included in the Proposal Form.

The Pedestrian signals and associated equipment at the Port Authority driveway and Michael Succi Drive have been included on the attached Proposal Form and the crosswalk, tip down and pedestrian signals at the Albacore Driveway will not be included

Question 9: Why is the quantity of new guardrail different from the quantity of guardrail being removed?

The criterion has changed for guardrail placement and the amount of new guardrail meets this criteria. Therefore, the amount of new guardrail versus the amount of existing guardrail is not the same.

Question 10: How will the vinyl coated fence be mounted to the bridge?

The fence shall be bolted to existing bridge utilizing "U" shaped brackets or by another approved method by the City.

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

Item 608.52 – ADA Compliant Handicap Ramp Panels

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).

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 curblines shall be located 150 to 200 mm (6 to 8 in) from the face of curblines. 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 shall be brick red, all would be installed in a concrete ramp as described above (608.26).

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 each panel installed under the truncated dome panel item.

Basis of Payment

Pay Item and Unit

608.52	Truncated Dome Pavers (Detectable Warning Pavers Only)	Each
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TECHNICAL SPECIFICATIONS

SPECIAL PROVISION

To Section 616 (NHDOT Standard Specifications) Traffic Signals

Item 616.101 or (Item 616.191) – Traffic Signals or (Alterations to Traffic Signals) (Revised 11/19/07)

This special provision provides for the reconstruction of the existing traffic signal system at the following intersections:

- Market Street/Port Authority Driveway
- Market Street/Michael Succi Drive

GENERAL:

All provisions of Section 616, except as modified or changed below, shall apply.

1. The Contractor shall be responsible for signal operation and maintenance once any feature of the signal is disturbed. The Contractor shall furnish the Contract Administrator, City of Portsmouth Department of Public Works (603-828-3946) and Hooksett Radio Communications (603-485-9526) with names and phone numbers of persons to be contacted in case of a malfunction. Hooksett Radio Communications should only be contacted for traffic signal work along State roadways.
2. The Contractor shall be responsible for the dismantling and removing of the existing traffic control system equipment not to remain. All equipment shall be salvaged to the City of Portsmouth Department of Public Works in Portsmouth.
3. The work at this intersection includes the modification of the existing traffic control system. Work includes, but is not limited to, pedestrian signal heads, pedestrian push buttons, pull boxes, a system loop, traffic signal conduit, and all other ancillary equipment necessary to provide a complete and functional traffic control system. The Contractor shall locate the proposed structure locations per the plans and provided survey control.
4. Contractor shall be responsible for any temporary traffic signals required to maintain traffic flow.

Add to 2.1:

2.1.3 List of Major Materials (Item 616.10X or 616.19X):

- Black 8 ft (federal color #27038), powder coat painted galvanized-steel Phaff and Kendall signal pole, model SP 104.
- Black, 12-inch solid LED symbolic bi-modal pedestrian signals, bracket or post top mounted.

- Pedestrian push buttons and signs, Pelco model SE-2037-08 and Pelco Model SF-1018-05, or equal.

Amend 2.2.1 to read:

2.2.1 Housings. Housings shall be constructed of polycarbonate with a smooth outer surface and shall be capable of holding the optical units securely in place. Housings shall be adaptable for pedestal, bracket, or rigid mast-arm vertical or horizontal mounting. The assembled housing shall be dust proof and moisture proof. Each housing shall be equipped with a hinged door of polycarbonate to hold the LED indication of the optical units. The doors shall be designed to insure uniform pressure around the door frame when closed. Doors shall be fastened by hinged wing nuts assemblies or other approved fasteners. Unless otherwise indicated on the plans, lenses shall be furnished with approved sun shield visors, not less than 250 mm (10 in) in length. If longer visors than those specified above are deemed necessary, they shall be furnished and installed. All traffic signals shall be furnished with a 125 mm (5 in) louvered, polycarbonate backplate. Backplates shall be fastened with stainless steel hex head slotted screws and a 5 by 19 mm (3/16" by 3/4") stainless steel fender washer. Where specified as 'black', traffic signal housings and backplates shall be black (federal color #27038).

Amend the first sentence in 2.2.2 to read:

Housing adapters for pedestal mounting shall be constructed of cast iron.

Amend 2.3.1 to read:

2.3.1 General. Pedestrian signal heads shall be of the LED type conforming to the Institute of Transportation Engineers Standard for Adjustable Face Pedestrian Signal Heads. All heads shall be square in shape.

Amend the first sentence in 2.3.2 to read:

Housings shall be black, one piece die cast aluminum alloy complete with top, bottom, sides, and back. Black, polycarbonate housings are also acceptable.

Amend 2.3.3 to read:

2.3.3 Pedestrian Indications. The pedestrian signal heads shall be furnished complete with a symbolic LED hand/man overlay with full image.

Amend 2.3.4 to read:

2.3.4 Pedestrian Detectors. Pedestrian pushbuttons shall be installed at 33 inches above the walking surface or in accordance with the most recent publication of "The Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)."

Amend 3.1.1 to read:

3.1.1 A preconstruction meeting with the Contractor, signal subcontractor, Engineer and City of Portsmouth representative shall be arranged not less than 3 business days prior to the start of signal installation, to resolve any problems.

Amend the first sentence in 3.1.2 to read:

The signal subcontractor shall notify the City of Portsmouth Traffic Department (603-828-3946) no less than three business days prior to the following:

Add to Construction Requirements:

3.2.1 Prior to final acceptance of the construction, the Contractor, together with the Engineer, shall inspect the traffic signal system, mast arms and poles, and denote any damaged or missing parts. Damaged or missing parts shall be repaired/replaced as directed by the Engineer.

3.2.1.1 Any damage to the traffic signal system after the inspection, but before final written acceptance of the construction/installation by the City of Portsmouth shall be repaired/replaced as directed by the Engineer and at the Contractor's expense.

3.2.1.2 All existing signal equipment not being retained shall be salvaged to the City of Portsmouth Department of Public Works, or disposed of at their direction.

3.2.1.3 Damaged galvanized surfaces shall be repaired by applying an organic zinc repair paint conforming to ASTM A 780. Galvanizing repair paint shall have 75% zinc minimum by weight and shall be brush applied. The thickness of the repair coat shall not be less than the coating thickness required by AASHTO M 111 or M 232, but not less than 3 mils (75 microns) DFT. Repaired galvanized surfaces shall be painted over using black (federal color #27038) paint. Repair touch-up using aerosol spray, silver paint, bright paint, or aluminum paint shall not be permitted.

Amend 3.4.1 to read:

The void created by the leveling nuts between the foundation and the base plate of the structure shall not be filled with grout unless otherwise directed.

Basis of Payment:

Pay Item and Unit

616.191	Alterations to Traffic Signal	Unit
	<ul style="list-style-type: none">• Market Street/Port Authority Driveway• Market Street/Michael Succi Drive	

PROPOSAL FORM

Market Street Sidewalk Project

CITY OF PORTSMOUTH, N.H.

To the City of Portsmouth, New Hampshire, herein called the Owner.

The undersigned, as Bidder, herein referred to as singular and masculine declares as follows:

1. All interested in the Bid as Principals are named herein.
2. This bid is not made jointly, or in conjunction, cooperation or collusion with any other person, firm, corporation, or other legal entity;
3. No officer, agent or employee of the Owner is directly or indirectly interested in this Bid.
4. The bidder has carefully examined the sites of the proposed work and fully informed and satisfied himself as to the conditions there existing, the character and requirements of the proposed work, the difficulties attendant upon its execution and the accuracy of all estimated quantities stated in this Bid, and the bidder has carefully read and examined the Drawings, Agreement, Specifications and other Contract Documents therein referred to and knows and understands the terms and provisions thereof;
5. The bidder understands that the quantities of work calculated in the Bid or indicated on the Drawings or in the Specifications or other Contract Documents are approximate and are subject to increase or decrease or deletion as deemed necessary by the Portsmouth City Engineer. Any such changes will not result in or be justification for any penalty or increase in contract prices; and agrees that, if the Bid is accepted the bidder will contract with the Owner, as provided in the Contract Documents, this Bid Form being part of said Contract Documents, and that the bidder will supply or perform all labor, services, plant, machinery, apparatus, appliances, tools, supplies and all other activities required by the Contract Documents in the manner and within the time therein set forth, and that the bidder will take in full payment therefor the following item prices, to wit:

ITEM #	EST. QTY.	UNITS	ITEM DESCRIPTION & UNIT PRICE IN WORDS	UNIT PRICE IN FIGURES	ITEM TOTAL IN FIGURES
202.5	1	Ea	Removal of CB, DI or Manhole	\$ _____	\$ _____
202.7	1700	Lf	Guardrail Removal	\$ _____	\$ _____
203.1	180	Cy	Common Excavation	\$ _____	\$ _____
304.3	200	Cy	Crushed Gravel	\$ _____	\$ _____
403.12	80	Tons	Hot Bituminous Pavement Hand Method	\$ _____	\$ _____
511	75	Sy	Concrete Bridge Deck Pavement Removal	\$ _____	\$ _____
603.69012	10	Lf	12" Drainage Pipe	\$ _____	\$ _____
604.12	3	Ea	Catch Basin Type B	\$ _____	\$ _____
604.4	2	Lf	Reconstruct CB and Drop Inlets	\$ _____	\$ _____
604.6	2	Ea	Manhole Covers and Frames	\$ _____	\$ _____
604.85	2	Ea	Water Repellant for CB's & DI's	\$ _____	\$ _____
606.14	600	Lf	Beam Guardrail (Std Section, Wood Post)	\$ _____	\$ _____
606.1452	1	U	Beam Guardrail (Terminal Unit Type Elt)	\$ _____	\$ _____

ITEM #	EST. QTY.	UNITS	ITEM DESCRIPTION & UNIT PRICE IN WORDS	UNIT PRICE IN FIGURES	ITEM TOTAL IN FIGURES
606.147	1	U	Beam Guardrail (Terminal Unit Type G-2)	\$ _____	\$ _____
606.1485	2	U	Beam Guardrail (Bridge Approach Unit)	\$ _____	\$ _____
607.635	135	Lf	Vinyl Coated Chain Link Fence 36" High	\$ _____	\$ _____
608.12	870	Sy	2" Bituminous Sidewalk	\$ _____	\$ _____
A	1	Ea	Sidewalk Expansion Dam	\$ _____	\$ _____
608.26	95	Sy	6" concrete sidewalks	\$ _____	\$ _____
608.28	95	Sy	8" Concrete Sidewalk	\$ _____	\$ _____
608.52	4	EA	Detectable Warning Panels Red	\$ _____	\$ _____
609.01	1370	Lf	Straight Granite Curb	\$ _____	\$ _____
609.5	400	Lf	Reset Granite Curb	\$ _____	\$ _____
615.03	32	Sf	Traffic Sign (Type C)	\$ _____	\$ _____
616.191	1	Unit	Alterations to Traffic Signal	\$ _____	\$ _____
618.6	200	Hr	Uniformed Portsmouth Police	\$ _____	\$ _____
			<u>Eight Thousand, Nine Hundred Dollars</u>	\$44.50	\$8,900.00

ITEM #	EST. QTY.	UNITS	ITEM DESCRIPTION & UNIT PRICE IN WORDS	UNIT PRICE IN FIGURES	ITEM TOTAL IN FIGURES
619.1	1	Unit	Maintenance of Traffic	\$ _____	\$ _____
628.2	1560	Lf	Saw Cut Pavement	\$ _____	\$ _____
632.0104	2100	LF	Retroflective Paint Pave. Marking, 4" (chlorinated rubber)	\$ _____	\$ _____
632.0112	500	LF	Retroflective Paint Pave. Marking, 12" (chlorinated rubber)	\$ _____	\$ _____
632.0118	50	LF	Retroflective Paint Pave. Marking, 18" (chlorinated rubber)	\$ _____	\$ _____
632.020	360	SF	Retroflective Paint Pave. Marking, Symbol or Word (chlorinated rubber)	\$ _____	\$ _____
641	20	Cy	Loam	\$ _____	\$ _____
644.15	20	Lbs	Park Seed Type 15	\$ _____	\$ _____
645.7	1	U	Erosion Control Plan (SWPPP)	\$ _____	\$ _____
645.71	20	Hr	Erosion & Sediment Control Monitoring	\$ _____	\$ _____
692	1	Unit	Mobilization	\$ _____	\$ _____

To Bidder: It is the intention of this contract that the items listed above describe completely and thoroughly the entirety of the work as shown on the plans and as described in the specifications. All other items required to accomplish the above items are considered to be subsidiary work, unless shown as a pay item.

TOTAL FOR PROJECT

In Figures \$ _____

In Words \$ _____

The undersigned agrees that for extra work, if any, performed in accordance with the terms and provisions of the Contract Documents, the bidder will accept compensation as stipulated therein.

Date

Company

By: _____
Signature

Business Address

Title: _____

City, State, Zip Code

Telephone: _____

We certify that the Company is currently pre-qualified with the State of New Hampshire for Site Work or Road Construction.

The Bidder has received and acknowledged Addenda No. _____ through _____.

All Bids are to be submitted on this form and in a sealed envelope, plainly marked on the outside with the Bidder's name and address and the Project name as it appears at the top of the Proposal Form.