

Addendum No. 1
February 2, 2006

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ADDENDUM NO. 1
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 Specification Section 670.6 – Seawall:

Insert the following articles:

1.3 This section includes providing a schedule of values - Provide a detailed breakdown of the Contract Sum showing values allocated to the various elements of the Work. The schedule shall be submitted to the Engineer within fourteen (14) calendar days after the date of the Notice to Proceed.

1.3.1 SCHEDULE OF VALUES

- A. Submit seven (7) copies of a detailed breakdown of the elements of the Work accompanied by their associated monetary values. The format shall basically follow the Specification Section organization and content and shall be submitted in accordance with City of Portsmouth requirements. The Engineer may require additional detailed documentation to support the values in the form of executed purchase orders, subcontracts, or other agreements.
- B. The Engineer will determine the level of breakdown and detail required. The Contractor shall submit additional information when requested. The final document will be the basis of payment requests and changes for the duration of the Contract. No progress payment will be made until the Schedule of Values is approved by the Engineer.

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- C. Itemize separate line item cost for lump sum Work.
 - 1. The sum of items listed in Schedule of Values shall equal the Contract Price and shall include unit price items.
 - 2. Items such as Bond premium and temporary construction facilities may be listed separately in Schedule, provided amounts can be substantiated.
 - 3. Mobilization shall be broken out as a separate item in the Schedule of Values. The total price for mobilization shall not exceed two percent (2%) of the Contract Price.

- D. Breakdown installed costs into:
 - 1. Delivered cost of product.
 - 2. Total installed cost with overhead and profit.
 - a. Do not list overhead and profit as separate items.
 - 3. Testing, training and O&M instruction. This amount shall constitute ten percent (10%) of the total for each item in the Schedule of Values for which it is required.

- E. An unbalanced Schedule of Values providing for overpayment on items of Work performed first will not be accepted.

Revise article 4.1 as follows:

- 4.2 Item 670.6 Seawall, inclusive of all appurtenances will be measured as a unit, based on the breakdown established by the Schedule of Values, as outlined in article 1.3.1 of this section.

Revise article 5.2 as follows:

- 5.2 The accepted Seawall will be paid for at the contract lump sum price. Progress payments, if applicable will be determined by the Engineer based on the approved schedule of values, as outlined in article 1.3.1 of this section.

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The following is to be used as the basis for bid for the work associated with the wetland restoration, which is subsidiary to the wall construction and lump sum payment:

Wetland Restoration - Basis of Wetland work included in the Seawall Construction (Specifications Section 670.6)

Total Restoration Area: 18,100 ft² - this equals impacted marsh plus 25% extra
Restore 14,350 at New Castle Ave.
Restore 3,750 at South Mill Pond
(per preliminary wetland restoration design document)

Currently: 14,500 ft² vegetated salt marsh at New Castle Ave.
Assume 80% harvested as peat blocks = 11,600 ft² to be excavated (some will not be harvestable as peat blocks)

Available space in South Mill Pond: approximately 300 ft X 20 ft wide = 6,000 ft²

Logistics:

Move peat blocks in first (2006) construction phase (about half of total marsh, or 5,800 ft² will fit) to South Mill Pond; Approx. 3,000 ft² of these peat blocks will be left permanently in South Mill Pond as supplemental restoration area (handled once).

Move the peat blocks (approx. 5,800 ft² from the second construction phase at New Castle Ave. immediately to the first construction phase area at New Castle Ave., insuring that each block is installed at the same elevation from which it was removed (handled once).

Relocate the extra 2,800 peat blocks from South Mill Pond back to New Castle Ave. after second phase of construction is complete.

Assuming approximately 75 to 80% survival of peat blocks or 9,000 ft² survival; will need to backfill and plant 9,100 ft² to reach 18,100 ft² total restoration area - some in South Mill Pond and some at New Castle Ave. This must take place when peat blocks are installed permanently (2006 at South Mill Pond; Fall of 2006 and/or spring of 2007 at New Castle Ave.).

Material Estimates

Subgrade Material: Low organic mineral loam soil

Quantity: Assume 12 inches over 6,000 ft² as base layer below peat blocks in South Mill Pond (to get subgrades up to appropriate level – will need survey by the Engineer);

Assume no additional base layer material needed at New Castle Ave.
(replace any material removed during construction)

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Assume 6 inches over 9,100 ft² for planting matrix around peat blocks at both locations (assumes peat blocks are about 6 inches thick on average).

$$\begin{aligned} 1 \text{ ft} \times 6,000 \text{ ft}^2 &= 222 \text{ yd}^3 \\ 0.5 \text{ ft} \times 9,100 \text{ ft}^2 &= 169 \text{ yd}^3 \\ \text{total of } 391, &\text{ say } \mathbf{400 \text{ yd}^3} \end{aligned}$$

Plants: Assume 50% high marsh: mix of *S. alterniflora*, *S. patens*; *Distichlis spicata* planted 1 ft on center for 4,550 ft², or 4,550 plants;

Assume 50% low marsh; *Spartina alterniflora* planted 2 feet on center for 4,550 ft² or 1,137 plants;

Total of approx. **5,700 plant plugs** (3 species, similar prices)

Coir Biologs or loam-filled sandbags:

Assume 350 linear feet in South Mill Pond (marsh perimeter)

Assume 1,000 linear feet in New Castle Ave. (marsh perimeter)

Other: Screw stakes, rebar, string, (for biolog/sandbag anchoring, goose fencing)

Schedule: Peat Blocks can be harvested, handled, and installed in spring prior to April 30th, and in summer/fall after August 1 per State Wetland Permit. Saltmarsh work outside this window will require a waiver from DES Wetlands Bureau.

Peat Blocks are best installed prior to September 15 in fall, leaving time for root growth to anchor against ice lifting.

Portions of the first set of peat blocks moved to South Mill Pond can be left there permanently; some will need to be relocated back to New Castle Ave. in fall or the following spring or fall, depending on the construction season.

Peat blocks harvested from the second construction phase at New Castle Ave. (presumably in Spring of 2007, or before September 15 in 2006) can be immediately relocated to the first phase construction area, and not brought to South Mill Pond at all.

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