



City of Concord, New Hampshire

PURCHASING DEPARTMENT

CITY HALL, 41 GREEN STREET

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November 29, 2006

ADDENDUM NUMBER TWO

B25-07

RECONSTRUCTION OF COMMERCIAL STREET BRIDGE OVER WATTANUMMON BROOK

TO ALL FIRMS OF RECORD: This addendum forms a part of and modifies the bidding and contract documents and technical specifications for the project named above. The following changes, additions and clarifications are made to the original Contract Documents:

1. **Bid Form.** Please remove the original Bid Form, pages A-4.1 through A-4.9 and replace with the attached Revised Bid Form, pages A-4.1 through A-4.10. This Revised Bid Form includes the following changes:

- a. Add Item 417: Cold-Planing of Bituminous Surfaces, 140 SY;
- b. Reduce Item 606.1452: Beam Guardrail (Terminal Unit Type ELT), 1 U
- c. Add Item 606.1454: Tangent Terminal Section, 1 U.

2. **Scope of Work, Background.** Please remove page A-5.1 and replace with the attached page A-5.1. The additions to this page have been highlighted.

3. **Plans of Proposed Bridge Replacement, Sheet No. 23, Construction Phasing Plan.** Please delete Item No. 606.147, Temporary Double Faced Barrier. The barrier is incidental to the maintenance of traffic.

PLEASE BE ADVISED THAT THE CONTRACTOR MUST ACKNOWLEDGE RECEIPT OF ADDENDUM ONE AND TWO ON THEIR BID SHEET.

CITY OF CONCORD, NEW HAMPSHIRE

DOUGLAS B. ROSS
PURCHASING AGENT

REVISED BID FORM

Notes:

- 1) All prices must be written in ink. Unit prices shall be written in words as well as figures for the entire proposal. In case of discrepancy, the amount in words shall govern.
- 2) All prices shall include labor, materials, and equipment for work in place in accordance with the Drawings, Specifications, and Contract Documents.

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION & UNIT PRICE (in both words and numerals)	ITEM PRICE (in numerals)
201.1	0.25 A	CLEARING AND GRUBBING _____dollars and _____cents per Each (\$_____) per Each	\$ _____
203.1	280 CY	COMMON EXCAVATION _____dollars and _____cents per Each (\$_____) per Each	\$ _____
203.6	18 CY	EMBANKMENT IN PLACE _____dollars and _____cents per CY (\$_____) per CY	\$ _____

209.201 93 CY GRANULAR BACKFILL (BRIDGE) (F)
_____dollars and \$ _____
_____cents per CY
(\$ _____) per CY

214 1 U FINE GRADING
_____dollars and \$ _____
_____cents per CY
(\$ _____) per CY

304.2 94 CY GRAVEL
_____dollars and
_____cents per CY
(\$ _____) per CY

304.3 140 CY CRUSHED GRAVEL
_____dollars and \$ _____
_____cents per Unit
(\$ _____) per Unit

403.11 61 TON HOT BITUMINOUS PAVEMENT -
 MACHINE METHOD
_____dollars and \$ _____
_____cents per CY
(\$ _____) per CY

403.911 3 TON HOT BITUMINOUS BRIDGE PAVEMENT
1" BASE COURSE (F)
_____dollars and \$ _____
_____cents per CY
(\$ _____) per CY

410.21 17 GAL EMULSIFIED ASPHALT FOR TACK
COAT
_____dollars and \$ _____
_____cents per TON
(\$ _____) per TON

417 140 SY COLD-PLANING OF BITUMINOUS
SURFACES
_____dollars and \$ _____
_____cents per TON
(\$ _____) per TON

502 1 U REMOVAL OF EXISTING STRUCTURE
_____dollars and \$ _____
_____cents per TON
(\$ _____) per TON

503.201 1 LS COFFERDAMS
_____dollars and \$ _____
_____cents per TON

(\$ _____) per TON

504.1 187 CY COMMON BRIDGE EXCAVATION
_____dollars and \$ _____
_____cents per SY
(\$ _____) per SY

520.0102 6 CY CONCRETE CLASS AA (QC/QA)
_____dollars and \$ _____
_____cents per LF
(\$ _____) per LF

520.011 5 CY CONCRETE CLASS AA WITH HIGH-RANGE
WATER REDUC. ADMIXTURE
_____dollars and \$ _____
_____cents per LF
(\$ _____) per LF

520.12 23 CY CONCRETE CLASS A, ABOVE
FOOTINGS (F)
_____dollars and \$ _____
_____cents per Each
(\$ _____) per Each

520.21 23 CY CONCRETE CLASS B, FOOTINGS (F)
_____dollars and \$ _____
_____cents per EA
(\$ _____) per EA

529.1 513 SF PRECAST DECK BEAM
_____dollars and \$ _____
_____cents per Each
(\$ _____) per Each

534.3 883 SF WATER REPELLENT (SILANE-SILOXANE) (F)
_____dollars and \$ _____
_____cents per Each
(\$ _____) per Each

538.2 23 SY BARRIER MEMBRANE, VERTICAL
SURFACES (F)
_____dollars and \$ _____
_____cents per Each
(\$ _____) per Each

538.5 52 SY BARRIER MEMBRANE, WELDED BY
TORCH (F)
_____dollars and \$ _____
_____cents per Each
(\$ _____) per Each

541.2 5 LF PVC WATERSTOPS, NH TYPE 2 (F)
_____dollars and \$ _____
_____cents per LF
(\$ _____) per LF

587.1	23	CY	KEYED STONE FILL	_____ dollars and \$ _____
				_____ cents per Each
606.14	83	LF	BEAM GUARDRAIL (STANDARD SECTION- WOOD POSTS)	_____ dollars and \$ _____
				_____ cents per EA
				(\$ _____) per EA
606.1452	1	U	BEAM GUARDRAIL (TERMINAL UNIT TYPE ELT)	_____ dollars and \$ _____
				_____ cents per Unit
				(\$ _____) per Unit
606.1454	1	U	TANGENT TERMINAL SECTION	_____ dollars and \$ _____
				_____ cents per Unit
				(\$ _____) per Unit
606.147	2	U	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2)	_____ dollars and \$ _____
				_____ cents per Unit
				(\$ _____) per Unit

606.1485 4 U BEAM GUARDRAIL (BRIDGE APPROACH UNIT)
_____dollars and \$ _____
_____cents per Hour
(\$ _____) per Hour

615.03 12 SF TRAFFIC SIGN (TYPE C)
_____dollars and \$ _____
_____cents per Hour
(\$ _____) per Hour

619.1 1 UNIT MAINTENANCE OF TRAFFIC
_____dollars and \$ _____
_____cents per Unit
(\$ _____) per Unit

621.2 8 EA RETROFLECTIVE BEAM GUARDRAIL
DELINEATOR
_____dollars and \$ _____
_____cents per LF
(\$ _____) per LF

628.2 45 LF SAWED BITUMINOUS PAVEMENT
_____dollars and \$ _____
_____cents per LF
(\$ _____) per LF

632.0104 588 LF RETROREFLECTIVE PAINT
PVMT MKG 4" LINE
_____dollars and \$ _____
_____cents per LF
(\$ _____) per LF

641 32 CY LOAM
_____dollars and \$ _____
_____cents per LF
(\$ _____) per LF

645.51 100 EA HAY BALES FOR TEMPORARY
EROSION
CONTROL
_____dollars and \$ _____
_____cents per LF
(\$ _____) per LF

645.531 350 LF SILT FENCE
_____dollars and \$ _____
_____cents per CY
(\$ _____) per CY

645.7 1 U EROSION AND SEDIMENT CONTROL
STORMWATER MGT PLAN
_____dollars and \$ _____
_____cents per SY
(\$ _____) per SY

646.11

275 SY

TURF ESTABLISHMENT WITH MULCH

_____dollars and \$ _____

_____cents per Unit

(\$ _____) per Unit

1 U

MOBILIZATION

_____dollars and \$ _____

_____cents per Unit

(\$ _____) per Unit

TOTAL BID PRICE _____

SCOPE OF WORK

Project Name: B25-07, Reconstruction of Commercial Street Bridge over Wattanummon Brook

BACKGROUND:

This bridge is located at Commercial Street's north end, approximately 0.75 miles from South Commercial Street exit off Route I-393. Commercial Street currently terminates north end of this bridge, adjacent to *Brochu Nurseries, Landscaping, and Garden Center*. Originally constructed on or about 1875, as indicated by a stamped capstone, observed and photographed no existing bridge plans are available. A Bridge Inspection Report, dated December 8, 1998, is available from the New Hampshire Department of Transportation.

Clear span is approximately 14'-7" between stone abutments, and there is no skew. Bridge Rail is composed of steel posts embedded in granite curb sections, with steel cable running between posts. A few posts have deteriorated and collapsed, thereby rendering the guardrail inadequate.

Superstructure is jack-arch construction. Ten steel beams spaced approximately 2'-11" on center span between abutments. Corrugated metal arches connect bottom flanges and served as permanent forms for concrete deck placement. Corrugated arch radii are approximately 18".

Abutments are constructed of squared-stone masonry units. Wing walls are also constructed of squared-stone masonry units. **Abutments and wing walls rest on a timber crib as observed during boring samples performed by Nobis Engineering.** The cribbing is approximately 14 feet below existing roadway pavement, approximately 1.5 feet below the proposed bottom of the wingwall footing. It is anticipated the cribbing is not to be disturbed.

Wattanummon Brook, which runs under Commercial Street, does not appear to be an active waterway. This brook functions to convey storm run-off and backwater relief to floodplains east of Commercial Street, near Horseshoe Point, during Merrimack River reaches flood stages. The placement of the wingwall footings is to be done in the dry. Dewatering is not anticipated for the footing construction if the work is completed as scheduled.

DESCRIPTION OF WORK:

The project consists providing all materials, equipment, labor for but not limited to the of the existing bridge superstructure replacement, a new bridge beam seat, new wingwalls, roadway approach work as described on the plans, provide and installing guardrail, providing and installing bridge rail.

The City of Concord reserves the right to reject any and all bids or to waive any irregularity in the bidding process as stated in the Instruction to Bidders. The award of the contract shall be to the lowest responsive and responsible bidder as also stated in the Instruction to Bidders. The lowest responsive bidder will be determined based upon the lowest price of a responsive and qualified bidder for the base bid and any chosen additive alternate. The selection of the additive alternate to be performed will be at the discretion of the Engineer and the City of Concord. This decision will be based primarily, but not solely, on the availability of funding. All bidders shall submit a balanced base bid and additive alternate bid. Failure to submit a balanced bid shall be cause for disqualification of the bidder.