



Deval L. Patrick, Governor
Richard A. Davey, Secretary & CEO
Frank DePaola, Administrator



603690-14

February 7, 2014

ADDENDUM NO. 1

To Prospective Bidders and Others on:

CHATHAM

**Federal Aid Project No. NHP-002S(539)
Bridge Replacement Br. No. C-07-001 (Single Leaf Bascule) Bridge Street
over the Mitchell River (ABP)**

OPENING OF THE BID POSTPONED TO: **TUESDAY, MARCH 11, 2014 @ 2:00 P.M.**

Transmitting revisions to Proposal Documents as follows:

DOCUMENT 00001: COVER PAGE: Revised Cover Page, attached.

DOCUMENT 00104: NOTICE TO CONTRACTORS: Revised page 00104-1, attached.

DOCUMENT A00801: SPECIAL PROVISIONS:

3 Revised pages, A00801-329, -333 and -416, attached. Corresponding drawing revisions will be furnished later.

DOCUMENT B00420: PROPOSAL: 1 Revised page, B00420-15, attached.

Please note the postponement of the bid opening date, substitute original pages in the Proposal with the revised pages, and acknowledge Addendum No. 1 in your Expedite Proposal File before submitting your bid.

Very truly yours,

Frank Kucharski, P.E.
Construction Contracts Engineer

HKB

cc: Joseph Pavao, Project Manager

Ten Park Plaza, Suite 4160, Boston, MA 02116
Tel: 857-368-4636, TDD: 857-368-0655
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COMMONWEALTH OF MASSACHUSETTS



CONTRACT DOCUMENTS AND SPECIAL PROVISIONS

^{^1^} ADDENDUM NO. 1, February 7, 2014

PROJECT FILE NO.	603690-14
P.V. =	\$12,929,000.00
PLANS	YES
AE ID NUMBER	49710

FOR

**Federal Aid Project No. NHP-002S(539)
Bridge Replacement Br. No. C-07-001 (Single Leaf Bascule) Bridge Street
over the Mitchell River (ABP)
in the Town of
CHATHAM**

In accordance with the 1988 English Edition of the STANDARD SPECIFICATIONS
For HIGHWAYS and BRIDGES and the Supplemental Specifications dated June 15, 2012

(Accelerated Bridge Program)

^{^1^} This Proposal to be opened and read:

TUESDAY, MARCH 11, 2014 @ 2:00 P.M.

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^1^ ADDENDUM NO. 1, February 7, 2014

DOCUMENT 00104

**NOTICE TO CONTRACTORS**

Electronic proposals for the following project will be received through the internet using Bid Express until the date and time stated below and. will be posted on www.bidx.com forthwith after the bid submission deadline. No paper copies of bids will be accepted. Bidders must have a valid digital ID issued by MassDOT in order to bid on projects. Bidders need to apply for a Digital ID at least 14 days prior to a scheduled bid opening date with Bid Express.

^1^**TUESDAY, MARCH 11, 2014 at 2:00 P.M.****CHATHAM****Federal Aid Project No. NHP-002S(539)****Bridge Replacement Br. No. C-07-001 (Single Leaf Bascule) Bridge Street over
the Mitchell River (ABP)
(603690)****^1^****PROJECT VALUE = \$12,929,000.00**

Bidders must be pre-qualified by the Department in the BRIDGE-CONSTRUCTION category to bid on the above project. An award will not be made to a Contractor who is not pre-qualified by the Department prior to the opening of Proposals.

Contractors intending to bid on this project must first complete a "Request for Proposal Form"(R-109 Form) and e-mail an electronic copy of this document to the MassDOT Director of Prequalification for approval. Please e-mail these documents to prequal.r109@state.ma.us .

Blank "Request for Proposal Forms"(R-109 Forms) can be obtained at

<http://www.massdot.state.ma.us/highway/Departments/PrequalificationofHorizontalConstructionForms.aspx>

Select the link "Request for Official Proposal Form (R-109 Form)"

Upon approval, the official bidder shall be entitled to receive an officially numbered Compact Disc (CD) containing the plans and specifications, free of charge. Other interested parties may also receive an informational copy of the CD containing the plans and specifications, free of charge. It should be noted that informational copies can not be used for bidding purposes. The bidding for and award of the contract for this project is to be in accordance with the requirements of Massachusetts General Laws Chapter 30 § 39M.

All parties who wish to have the CDs shipped to them must provide a completed mailing label with an approved carrier account number for overnight mail service (i.e. – Federal Express) to the MassDOT Bid Document Distribution Center, Room 6261, 10 Park Plaza, Boston, MA 02116.

NOTICE TO CONTRACTORS (Continued)

A Proposal Guaranty in the amount of 5% of the value of the bid is required either using BidX's online form or by separately submitting an electronic copy of the Proposal Guaranty via e-mail to MassDOTBidBonds@dot.state.ma.us .

Bidders are on notice that this project is subject to the schedule of prevailing wage rates as determined by the Commissioner of the Massachusetts Department of Labor and Workforce Development, Division of Occupational Safety, and the United States Department of Labor.

Plans will be on display and information will be available at the MassDOT Boston Office and at the District Office in TAUNTON.

The Department, in compliance with Title 49 Code of Federal Regulations Part 21 (NONDISCRIMINATION IN FEDERALLY-ASSISTED PROGRAMS OF THE DEPARTMENT OF TRANSPORTATION - EFFECTUATION OF TITLE VI OF THE CIVIL RIGHTS ACT OF 1964), hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement that minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on grounds of race, color, or national origin in consideration for an award.

This Proposal contains the "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONTRACT SPECIFICATIONS (EXECUTIVE ORDER 11246)". The goals and timetables applicable to this proposal for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all work, are contained in Appendices A and B of the above Specifications.

This Contract contains price adjustments for hot mix asphalt, Portland cement, diesel fuel, and gasoline. For this project the base prices are as follows: asphalt cement \$640.00 per ton, Portland cement \$110.00 per ton, diesel fuel \$3.520 per gallon, and gasoline \$3.150 per gallon. MassDOT posts the **Price Adjustments** on their Highway Division's website at <http://www.massdot.state.ma.us/Highway/> under the following link sequences:

Doing Business With Us
Construction
Price Adjustments

STEEL PRICE ADJUSTMENT

This Contract contains Price Adjustments for reinforcing steel and structural steel. See Document 00813 - PRICE ADJUSTMENT FOR STRUCTURAL STEEL AND REINFORCING STEEL of the Special Provisions for their application.

The Base Prices for these items on this project are as follows:

^1^ ADDENDUM NO.1, February 7, 2014**^1^ ITEM 952.1 TEMPORARY SHEETING POUND**

Work under this item shall conform to the requirements of Section 950 and the following:

The work will consist of the construction of temporary sheeting as shown on the plans, and its complete removal upon completion of the related work. This item does not include sheeting for the cofferdams associated with construction of the bascule pier and the rest pier. Cofferdams will be constructed as required for Item 990.1.

^1^ Temporary Sheeting shall be designed by the Contractor at his/her cost and responsibility. The Contractor shall submit drawings and calculations for the proposed temporary sheeting stamped by a Professional Engineer registered in the Commonwealth of Massachusetts.

Method of Measurement:

Temporary Sheeting will be measured by the pound. The weight of quantity will be computed on the basis of 22 pounds per square foot of exterior face area, including embedment depth, in place, and to a top elevation equal to the actual cut-off elevation or elevation 7.00, whichever is lower.

Basis of Payment:

Temporary sheeting will be paid for at the contract unit price per pound, including installation, cut-off, bracing, removal and all other work required for the complete installation and the complete removal. For the purposes of partial payment, temporary sheeting will be considered 90 percent complete when the sheeting has been completely driven and the area within the sheeting is ready for such work that is required to be constructed within.

ITEM 983.1

RIPRAP

TON

Work under this item shall conform to the applicable provisions of Section 983 of the Standard Specifications and the following:

All riprap shall be pre-washed prior to its placement and shall be placed in the dry.

Riprap shall be placed in front of each retaining wall structures, in accordance with the limits and thickness shown on Highway Plans or as directed by the engineer. The riprap is to be founded on a 12 inches layer of crushed stone. The crushed stone shall conform to Materials Section M2.01.1 and shall have an underlying geotextile fabric. The geotextile fabric shall be Type IV and shall conform to Materials Section M9.50.0.

Method of Measurement

Riprap will be measured by the ton of material complete in place. The estimated weight of riprap shall be determined using an in-place unit weight of 125 pounds per cubic foot of required riprap volume.

Basis of Payment

Work under this item will be paid at the Contract unit price per ton, complete in place, which price shall be full compensation for furnishing all labor, materials, equipment, tools and other incidentals necessary for the satisfactory completion of the work. The underlying geotextile fabric and crushed stone will be paid separately under Item 698.4 and Item 156. – Crushed Stone.

^1^ ADDENDUM NO.1, February 7, 2014**ITEM 991.1****CONTROL OF WATER**
STRUCTURE NO. C-07-001 (9YM)**LUMP SUM**

^1^ Work under this item shall conform to the relevant provisions of Section 140 and Section 950 to dewater areas after either the Temporary Sheet piling under Item 952.1 or Cofferdam under Item 990.1 are in place.

The Contractor shall prepare a plan for water-control system for performing excavations by adequate dewatering so that all final excavations for riprap & backfilling and construction of foundations for abutments, wingwalls, bascule pier, and rest pier shall be performed in-the-dry. The procedures and calculations of Contractor's water-control plan shall be prepared and stamped by a Professional Engineer registered in the Commonwealth of Massachusetts and submitted to the Engineer for approval. All construction activities shall be performed as per the approved plan. The plan shall also include the procedure for complete removal of the water-control system at Contractor's cost and responsibility.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

The Item 991.1 Control of Water Structure No. C-07-001 (9YM) will be paid in the unit of LUMP SUM at the Contract Bid Price, which price shall include the cost of all material, labor, equipment, machinery, tools, excavation, trenching, pumping, designing and drafting of the plans, construction, maintenance and removal of the water-control system. Steel Sheet piling used for dewatering and pumping shall be paid as specified under Standard Specifications under Item 952 Steel Sheet piling in the unit of POUND at the Contract Bid Price.

ITEM 994.01 TEMPORARY PROTECTIVE SHIELDING BRIDGE LUMP SUM
NO. C-07-001(9YM)

Work under this item shall include designing, furnishing, installing, relocating, maintaining, removing, and disposing of a temporary protective shielding system under the bridge. The purpose of the installed system is to prevent any construction debris from entering the waterway below the bridge.

The shielding system may be attached to the existing structure. The Contractor will repair at his own cost any damage to the proposed structure resulting from the use of the temporary protective shielding system. The methods of any necessary repairs are to be approved by the Engineer.

The Contractor shall periodically inspect the shielding system, repair any deficiencies, and remove/dispose of any accumulated debris. The Contractor shall exercise due care not to permit any items of the existing bridge structure to fall into the waterway. Any debris that falls into the waterway below must be immediately removed and properly disposed of at the Contractor's expense.

The Contractor shall submit to the Engineer, for approval, detailed working drawings showing all elements of the protective shielding system, including design calculations, the sequence of installation. The proposed design submission shall be signed and stamped by a Professional Engineer registered in the Commonwealth of Massachusetts.

Method of Measurement and Basis of Payment

Payment for the Work to be done under this Item will be made at the Contract lump sum bid price for Item 994.01 which price shall include all labor, materials, equipment, tools, and all incidental costs required to complete the work.

ITEM 995.01 (Continued)

8. Report of Drawbridge Openings: The primary bridge documentation report, this form is used to log the date, time, direction, weather conditions and name of every vessel accommodated by the bridge.
9. Electrical Components: A checklist for electricians performing routine preventative maintenance procedures.
10. Mechanical Components: A checklist for mechanics performing routine preventative maintenance procedures.

Equipment Failures

1. In the event the bridge becomes inoperable due to an equipment failure, whether the specific item which failed is under contract or not, respond within 30 minutes by notifying the Engineer, and initiate corrective action to remedy the situation using the same design configuration.
2. Document any equipment failure by completing a Preliminary Cause of Failure Report, which must include a description of the event. Submit this report to the Engineer within ten days.
3. If repair is **not** possible within a reasonable time, document temporary resolutions for review and approval by the Engineer.

Specifications

Adhere, at all times, to the U.S. Coast Guard Code of Federal Regulations (CFR) 33.

SCHEDULE OF BASIS FOR PARTIAL PAYMENT

Within ten (10) days after the date of the Notice to Proceed, the Contractor shall submit, in duplicate, for the approval of the Engineer, a schedule of unit prices for the major components of the bridge structure as listed below. The bridge structure Lump Sum breakdown quantities provided in the proposal form are estimated and not guaranteed. The total of all partial payments to the Contractor shall equal the Lump Sum contract price regardless of the accuracy of the quantities furnished by the Engineer for the individual bridge components. The cost of labor and materials for any Item not listed but required to complete the work including any necessary temporary operation of the new moveable bridge span during construction and all work associated with providing a temporary navigation channel while the existing channel is closed for construction shall be considered incidental to Item 995.01 and no further compensation will be allowed.

^1^ ADDENDUM NO.1, February 7, 2014**ITEM 995.01 (Continued)**

	<u>Components</u>	<u>Qty</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
	Test and Balance Movable Span	1	LS	\$	\$
^1^	Electrical Shed	1	LS	\$	\$
	4000 psi – 1 ½” – 565 Cement Concrete	1,209	CY	\$	\$
^1^	4000 psi – ¾” – 610 Cement Concrete	532	CY	\$	\$
^1^	(Component deleted)				
	Steel Reinforcement for Structures	7,298	LB	\$	\$
	Steel Reinforcement for Structures–Epoxy Coated	175,501	LB	\$	\$
	Elastomeric Bearing Pad	160	EA	\$	\$
	Treated Timber	44	MBM	\$	\$
	Plastic Marine Lumber	15	MBM	\$	\$
	Glue Laminated Timber	91	MBM	\$	\$
	Structural Steel	160,600	LB	\$	\$
	Steel Ballast For Counterweight	92,352	LB	\$	\$
	Balance Blocks For Counterweight	10,780	LB	\$	\$
	Membrane Waterproofing	146	SY	\$	\$
	Bituminous Damp proofing	444	SY	\$	\$
	Bascule Leaf Open Steel Grid Deck	603	SF	\$	\$
	Stone Veneer	3,331	SF	\$	\$
	Concrete Stain	1,800	SF	\$	\$
	Anti-Graffiti Protection - Concrete	1,610	SF	\$	\$
	Anti-Graffiti Protection - Stone	2,080	SF	\$	\$
^1^	Coring And Grouting Anchor Bolts	52	EA	\$	\$
Total Lump Sum Bid Price of Item 995.01=					

The above schedule applies only to Bridge Structure No. C-07-001 (9YM). Payment for similar materials and construction at locations other than at this bridge structure shall not be included under this Item.

END OF DOCUMENT

BRIDGE REPLACEMENT, C-07-001, BRIDGE STREET OVER THE MITCHELL RIVER FA# NHP-002S(539)X

ITEM NUMBER	QUANTITY	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE	AMOUNT
948.41	15	DYNAMIC LOAD TEST BY CONTRACTOR AT _____ EACH		
952.1 ^1^	283,800	TEMPORARY SHEETING ^1^ AT _____ PER POUND		
983.1	907	RIPRAP AT _____ PER TON		
983.3	238	RIPRAP REMOVED AND RELAID AT _____ PER CUBIC YARD		
990.1	1	COFFERDAM STRUCTURE NO. C-07-001(9YM) AT _____ LUMP SUM		
991.1	1	CONTROL OF WATER - STRUCTURE NO. C-07-001(9YM) AT _____ LUMP SUM		
994.01	1	TEMPORARY PROTECTIVE SHIELDING BRIDGE NO. C-07-001(9YM) AT _____ LUMP SUM		
995.01	1	BRIDGE STRUCTURE, BRIDGE NO. C-07-001(9YM) AT _____ LUMP SUM		
Total Qty:	329,317.2		Total:	

603690- AE ID: 49710 CHATHAM

^1^ Item 952. replaced with Item 952.1

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