

ADDENDUM #3: REPLACE THE ITEM 992.1 SPECIAL PROVISION WITH THE FOLLOWING:

ITEM 992.1

ALTERATION TO BRIDGE STRUCTURE

LUMP SUM

The work to be done under this Item shall conform to the relevant provisions of Subsection 995 of the Standard Specifications and the specific requirements stipulated for component parts of Item 992.1. For those component parts where no specific requirement is stipulated, the Standard Specifications shall apply except for payment.

DESCRIPTION

This Item includes all materials and labor necessary to complete the work in accordance with the schedules listed hereinafter under Basis for Partial Payments and all other Items that are part of the work as shown on the plans and for which payment has not been provided for under a separate item.

The work includes furnishing permanent steel stay in place formwork, placing cement concrete, epoxy coated reinforcing steel, replacement of both exterior beams, including sole and masonry bearing plates, drilling 1 3/8" diameter holes in the bridge seats for setting anchor bolts for the replacement beams in epoxy adhesive, attachment of diaphragm connection angles to be field drilled and bolted to the replacement beams to achieve proper fitup with the existing end and intermediate diaphragms, three beam metal bridge rails, stud shear connectors, pvc waterstops at both ends of the deck, and membrane waterproofing as shown on the plans.

Payment for materials shown on the Plans as being part of this alteration to bridge structure or which may be incidental to its construction and are not specifically included for payment under another Item shall be considered incidental to the work performed under this Item and shall be included in the unit price of the component of which they are a part.

The work does not include any items listed separately in the proposal. Payment for materials shown on the Plans as being part of this bridge structure or which may be incidental to its construction and are not specifically included for payment under another Item shall be considered incidental to the work performed under Item 992.1 and shall be included in the unit price of the component of which they are a part.

PERMANENT STEEL STAY-IN-PLACE DECK FORMS

The work under this heading shall conform to the applicable provisions of subsection 901.34 of the Standard Specifications.

STEEL REINFORCING FOR STRUCTURES – EPOXY COATED

The work under this heading shall conform to the applicable provisions of Subsection 901 of the Standard Specifications.

STUD SHEAR CONNECTORS

The top flange of all beams to receive welded studs shall be free of paint, excessive rust or mill scale, dirt, moisture and all other foreign materials prior to welding the studs in accordance with the requirements of the AASHTO/AWS D1.5 Bridge Welding Code.

ADDENDUM #3: REPLACE THE ITEM 992.1 SPECIAL PROVISION WITH THE FOLLOWING:

5000 PSI, ¾ IN., 685 HP CEMENT CONCRETE

5000 PSI, ¾ IN., 685 HP Cement Concrete shall be used to construct the proposed bridge deck slabs and safety curbs. Cement Concrete shall conform to all material, placement, finishing, and curing requirements of Section 901 of the Standard specifications. The safety curbs shall be cast-in-place with embedded anchor bolts to secure the Thrie Beam Bridge Railings as shown on the plans. Placement, finishing, and curing of the concrete bridge deck shall conform to 901.66, except that Section *F. Curing* shall be revised to require a curing period of not less than 7 days.

MEMBRANE WATERPROOFING FOR BRIDGE DECKS

The work under this heading shall conform to the applicable provisions of Subsection 965 of the Standard Specifications.

STRUCTURAL STEEL M270 GRADE 50 PAINTED

The work performed under this heading shall include the fabrication and installation of the proposed exterior beams, including sole & masonry plates, diaphragm connection angles with field drilled holes for high strength bolted connections, sole plates, masonry plates conforming to AASHTO M270 Grade 50 and fabricated, painted, and erected in accordance with the requirements of Section 960 of the Standard Specifications. The color of the finish coat of paint shall be consistent with Federal Standard 595 B color chip number 14062 – dark green. Incidental to this item shall be the supply and installation of 1” diameter long ASTM F1554 Grade 36 galvanized anchor bolts at each of the exterior beam bearings anchored with epoxy adhesive.

METAL THRIE BEAM BRIDGE RAILING

The work to be performed under this heading shall consist of the fabrication and installation of a Thrie Beam Bridge Rail system. Work shall conform to the relevant provisions of Section 975, Metal Bridge Railings and Protective Screen, of the Supplemental Specifications to the Standard Specifications for Highways and Bridges and the following. Thrie beam panels shall be 10 gauge and shall conform to AASHTO M 180 Class B. The posts, base plates, and thrie beam rail panels shall be galvanized after fabrication in accordance with AASHTO M111.

BASIS OF PAYMENT

Item 992.1 will be paid for at the Contract Lump Sum Price, which shall include all labor, materials, equipment and all incidental costs required to complete the work.

SCHEDULE OF BASIS FOR PARTIAL PAYMENTS

Within ten (10) days after the date of the Notice to Proceed, the Contractor shall submit on his/her proposal form a schedule of unit prices for the major component Sub-Items that make up Item 992.1 including the total Lump Sum cost. The 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 shall be considered incidental to Item 992.1 and no further compensation will be allowed.

The schedule on the following proposal form applies only to Bridge Structure No. C-05-027.

ADDENDUM #3: REPLACE THE ITEM 992.1 SPECIAL PROVISION WITH THE FOLLOWING:

Payment for similar materials and construction at locations other than at this bridge structure shall not be included under this Item. Sub-Item numbering is presented for information only in coordination with MassDOT Standard Nomenclature.

Alteration to Bridge Structure

SUB-ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
901.34	PERMANENT STEEL STAY-IN-PLACE DECK FORMS	44	SY		
904.3	5000 PSI, ¾ IN., 685 HP CEMENT CONCRETE	26	CY		
910.1	STEEL REINFORCING FOR STRUCTURES – EPOXY COATED	6200	LB		
911.11	SHEAR CONNECTORS	484	EA		
960.1	STRUCTURAL STEEL M270 GRADE 50 PAINTED	2500	LB		
965.	MEMBRANE WATERPROOFING FOR BRIDGE DECKS	81	SY		
975.5	METAL THRIE BEAM BRIDGE RAILING	88	FT		