



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

July 10, 2012

CALL NO. 308
CONTRACT ID NO. 122606
ADDENDUM # 1

Subject: Henry County, FE02 052 0389 B00055N
Letting July 13, 2012

(1) Revised - Special Notes - Page 11 of 48

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:ks
Enclosures



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SPECIAL NOTES FOR STRUCTURAL STEEL REPAIR

- I. DESCRIPTION.** Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, and this Note. Section references are to the Standard Specifications. All references to the AASHTO Specifications are to the current edition of the AASHTO Standard Specifications for Highway Bridges, with interims.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Remove all rust from Beam ends and Rockers; (3) Blast clean all affected area; (4) Jack & Support beam end (Girder #4 over Abutment #1); (5) Perform structural steel repairs as shown on the plans; (6) Maintain and Control Traffic; (7) All other works needed to complete this work.

II. MATERIAL.

- a. **High Strength Bolts.** Provide $\frac{5}{8}$ inch diameter High Strength Bolts, nuts and lock washers conforming to ASTM 325 requirements.
- b. **Structural Steel Plates and Shapes.** Provide Grade 50 Structural Steel conforming to ASTM A709 requirements with minimum Yield strength of ~50,000 psi.
- c. **Pins.** Provide pins conforming to ASTM A108 with $F_y=75$ KSI minimum.

III. CONSTRUCTION.

- a. Jack & Support Beam End: Submit a jacking plan, temporary support system calculations, and shop drawings for approval prior to start of work. The design must be stamped by a professional engineer licensed in the State of Kentucky.
- b. Clean and Prime: All existing faying surfaces where new steel is to be installed shall be cleaned. Level of cleaning shall be to an SSPC-SP 15 (Commercial Grade Power Tool Cleaning). All Power tools shall be equipped with vacuum shrouds and fitted with HEPA filters at their air exhausts. Maintain and operate all vacuum shrouded power tools to collect generated debris.
All cleaned steel as well as all new structural steel shall receive a prime coat as specified in Section 607 of the standard specifications before any new steel is installed.
- c. Verifying Field Conditions: The contractor shall field verify all plates and shapes dimensions, bolt patterns and locations before ordering materials. New materials deemed unsuitable because of variations in the existing structure shall be replaced at the contractor's expense.
- d. Holes: Diameter of open holes is $\frac{1}{16}$ inch.
- e. Install all high strength bolted field connection using "direct tension indicators" (DTI's) in accordance with the Standard Specifications and ASTM F959. Install DTI's under the bolt head with bumps facing the underside of the bolt head. Place a hardened washer under the nut and the tension connection from the nut side.