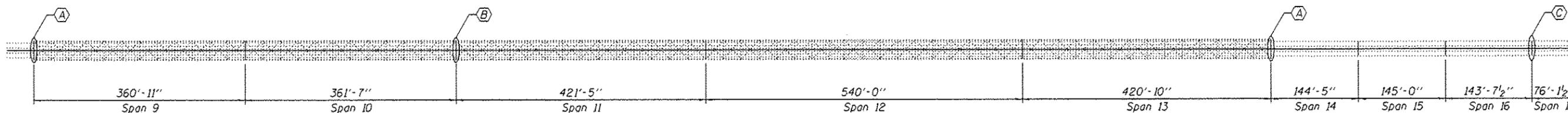


ELEVATION



PLAN

- (A) - Remove Neoprene Exp. Jt. & Install Finger Pl. Exp. Jt.
- (B) - Remove & Replace Existing Modular Expansion Joint
- (C) - Remove Neoprene Exp. Jt. & Install Preformed Joint Strip Seal

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Fasteners shall be high strength bolts. Flange holes shall be $1\frac{1}{16}$ " ϕ for $\frac{7}{8}$ " ϕ bolts. Web holes shall be $\frac{1}{16}$ " ϕ for $\frac{3}{4}$ " ϕ bolts.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with the appropriate pay item.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

Modular Expansion & Finger Plate Joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

Modular Expansion & Finger Plate Joints shall be fabricated and installed according to the manufacturer's recommendations and as approved by the Engineer.

Modular Expansion & Finger Plate Joints shall be fabricated to conform to the existing cross slopes of the bridge.

No field welding is permitted except as specified in the contract documents.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	23.7
Concrete Superstructure	Cu. Yd.	24.0
Reinforcement Bars, Epoxy Coated	Pound	4300
Mechanical Splicers	Each	392
Bar Splicers	Each	80
Finger Plate Expansion Joint, 8"	Foot	28
Finger Plate Expansion Joint, 9"	Foot	28
Modular Expansion Joint, 18"	Foot	28
Preformed Joint Strip Seal	Foot	33
Fabric Reinforced Elastomeric Trough	Foot	60
Structural Steel Removal	Pound	6800



Expires: November 30, 2014

DESIGNED - [Signature]	EXAMINED - [Signature]	DATE - AUGUST 18, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION U.S. 67 / IL 100 OVER THE ILLINOIS RIVER (BEARDSTOWN BRIDGE) SN 009-0001	F.A.P. RTE. 310	SECTION 186/BJR	COUNTY CASS	TOTAL SHEETS 19	SHEET NO. 6
CHECKED - [Signature]	PASSED - [Signature]	REVISED			CONTRACT NO. 72H29				
DRAWN - Kyle M. Stoffan	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED			ILLINOIS FED. AID PROJECT				
CHECKED - [Signature]					SHEET NO. 1 OF 14 SHEETS				