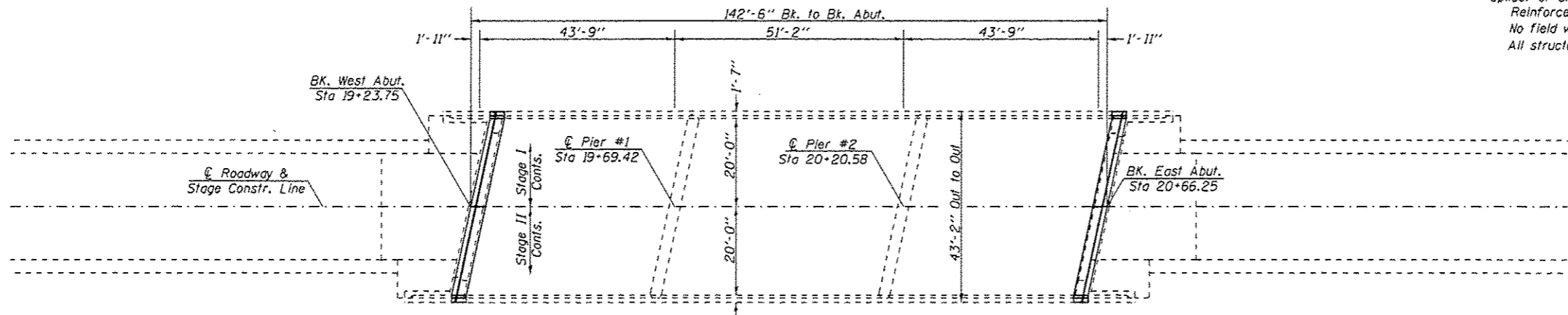


ELEVATION



PLAN

GENERAL NOTES

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.

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.

Prior to pouring the new concrete deck section, 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.

All structural steel shall be shop painted with inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

If the analysis submitted to the Contractor for the jacking/temporary support system to be used show temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.

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 shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

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.

Reinforcement bars designated (E) shall be epoxy coated.

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

All structural steel shall be AASHTO M 270 Grade 36 unless otherwise noted.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Reinforcement Bars, Epoxy Coated	Pound	1240
Bar Splicers	Each	24
Preformed Joint Strip Seal	Foot	93
Elastomeric Bearing Assembly, Type I	Each	8
Elastomeric Bearing Assembly, Type II	Each	8
Jack and Remove Existing Bearings	Each	16
Furnishing and Erecting Structural Steel	Pound	2510
Anchor Bolts 1" Ø	Each	32
Concrete Removal	Cu. Yd.	12.2
Concrete Superstructure	Cu. Yd.	12.4
Structural Repair of Concrete (Depth ≤ 5 Inches)	Sq. Ft.	39

Scope of Work

- Remove existing PJS Joints/Concrete and replace with Preformed Joint Strip Seal.
- Removal and Replacement of the abutment Bearings.
- Structural Repair of Concrete at abutments.



David Carl Puzey 9/24/14
Expires 11/30/14

Design Stresses

FIELD UNITS (New Construction)
 $f_y = 36,000 \text{ psi (AASHTO M270 Gr. 36)}$

FIELD UNITS (Existing Construction)
 $f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi (reinf.)}$
 $f_y = 36,000 \text{ psi (struct.)}$

BRIDGE REPAIR
 IL 15 (FAP 821)
 OVER CASEY FORK
 JEFFERSON COUNTY
 D9 CM BRIDGE REPAIR 2015-2
 STA. 19+95.00
 SN 041-0026

* D9 CM BRIDGE REPAIR 2015-2

FILE NAME *	USER NAME * hnlsteadw	DESIGNED - <i>TWH</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pr-work\p1dot\hnlsteadw\d034880774	432-sho-pln.dgn	DRAWN -	REVISED -		921	*	JEFFERSON	12	5			
PLOT SCALE * 30.0000' / in.	CHECKED - <i>CCC</i>	REVISED -	REVISED -		CONTRACT NO. 78432							
PLOT DATE * 8/11/2014	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO. 1 OF 8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			