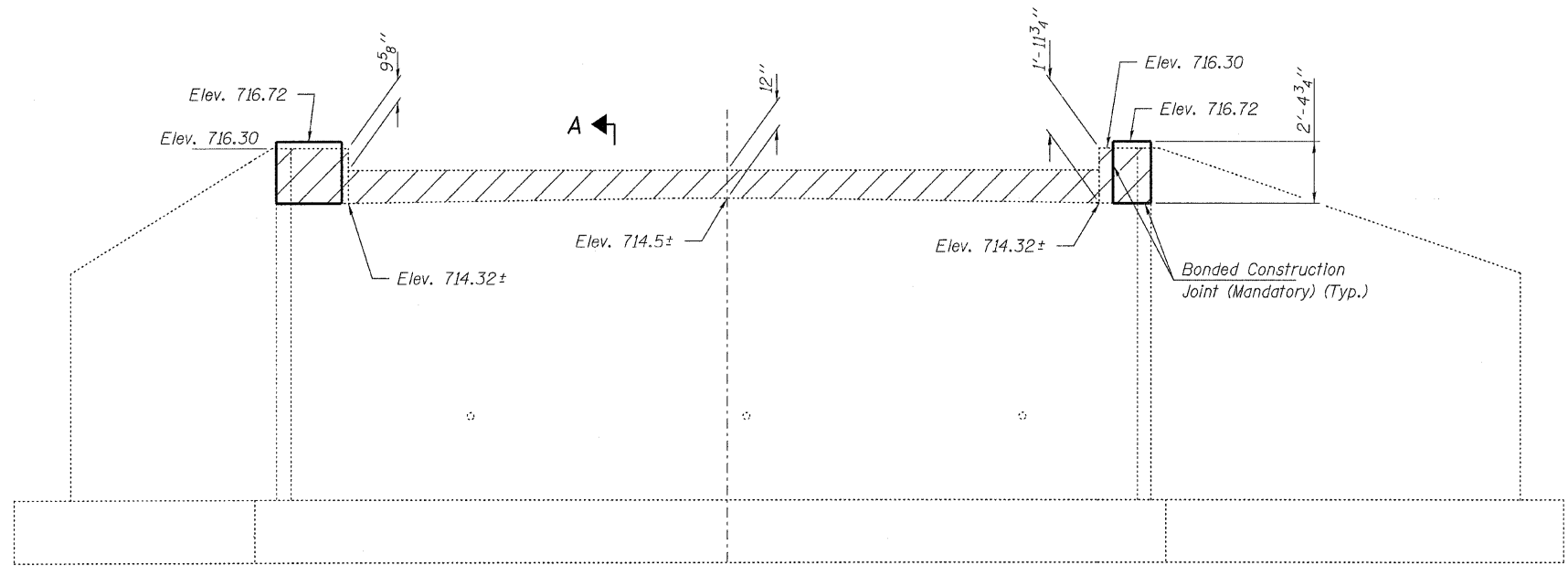
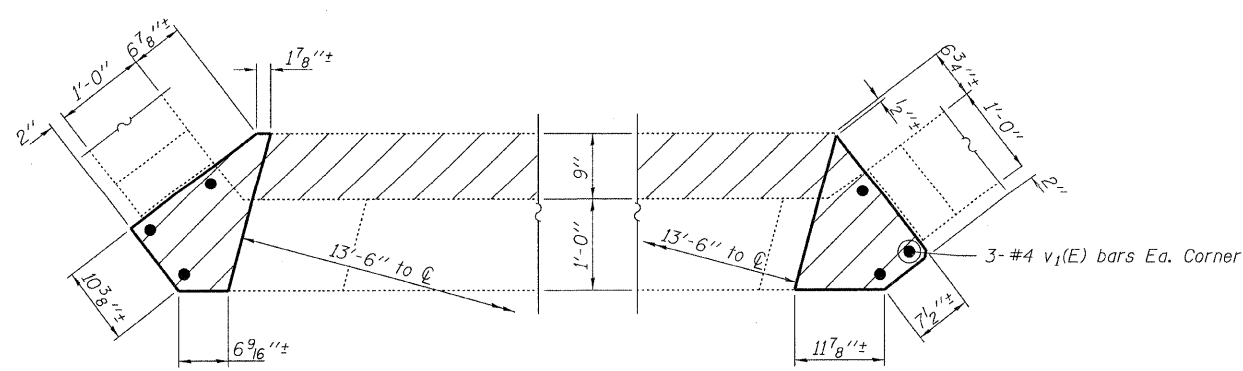


PLAN

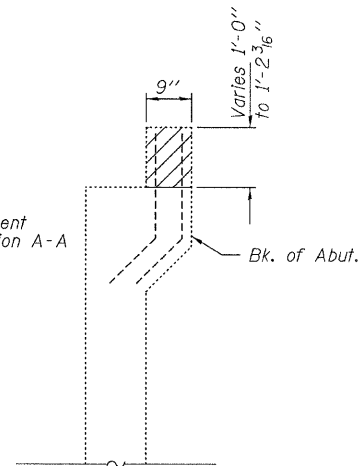


ELEVATION



CORNER DETAILS

Note: See reinforcement detail on Section A-A sheet 5 of 15.



SECTION A-A

Note: Concrete above construction joint shall be placed after beams are in place.

Hatched area indicates Concrete Removal

Notes:

Upon removal of the existing superstructure, the bearing areas of the abutments and piers shall be inspected by the Engineer. Surface areas deemed unsound by the Engineer shall be repaired as described in these Notes.

Existing vertical reinforcing to remain in place. If vertical reinforcement is damaged, it shall be replaced, at the Contractor's expense. Replacement bars shall be drilled and grouted as detailed on sheet 5 of 15.

The areas to be repaired shall have all loose, unsound concrete removed completely by the use of an electric chisel or other mechanical tools approved by the Engineer. All exposed reinforcing bars shall be thoroughly cleaned and undercut to a depth that will permit a minimum of one inch (1") of plastic concrete over the reinforcing bars. When removing the existing concrete, the contractor shall provide a 1" deep saw cut along the outside edge of the repair area. After removing the unsound concrete from the surface, the contractor shall thoroughly clean by sandblasting all areas involved. This work will be paid for at the contract unit price per cubic yard of Concrete Removal.

The formwork shall provide a smooth and uniform concrete finish most nearly matching the existing surface of the concrete structures. Formwork shall be completely mortar tight and closely fitted where they adjoin the existing concrete surface to prevent leakage. The Contractor may use exterior vibration, as approved by the Engineer, to release air pockets that may be entrapped. Spall repair concrete shall be poured monolithically with Cap Extension. Formwork and concrete placement will be paid for at the contract unit price per cubic yard of Concrete Superstructures.

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
v <sub>1</sub> (E)	12	#4	2'-0"	—
Concrete Removal			Cu. Yd.	2.2
Concrete Superstructure			Cu. Yd.	0.5
Reinforcement Bars, Epoxy Coated			Pound	20

Contractor has the option of pouring the abutment corners with the slab.

FILE NAME = 120231-shr-br-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - A.S.L.	REVISED -
388 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	DRAWN - D.A.B.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM 15 / PE / SE CDMP 184.000989	PLOT DATE = 2/2/2012	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ABUTMENT DETAILS  
STRUCTURE NO. 045-3104

SHEET NO. 7 OF 15 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
193	07-03011-01-BR	KANE	29	16
HINCKLEY ROAD			CONTRACT NO. 63699	
[ILLINOIS] FED. AID PROJECT BRGS-0089138				