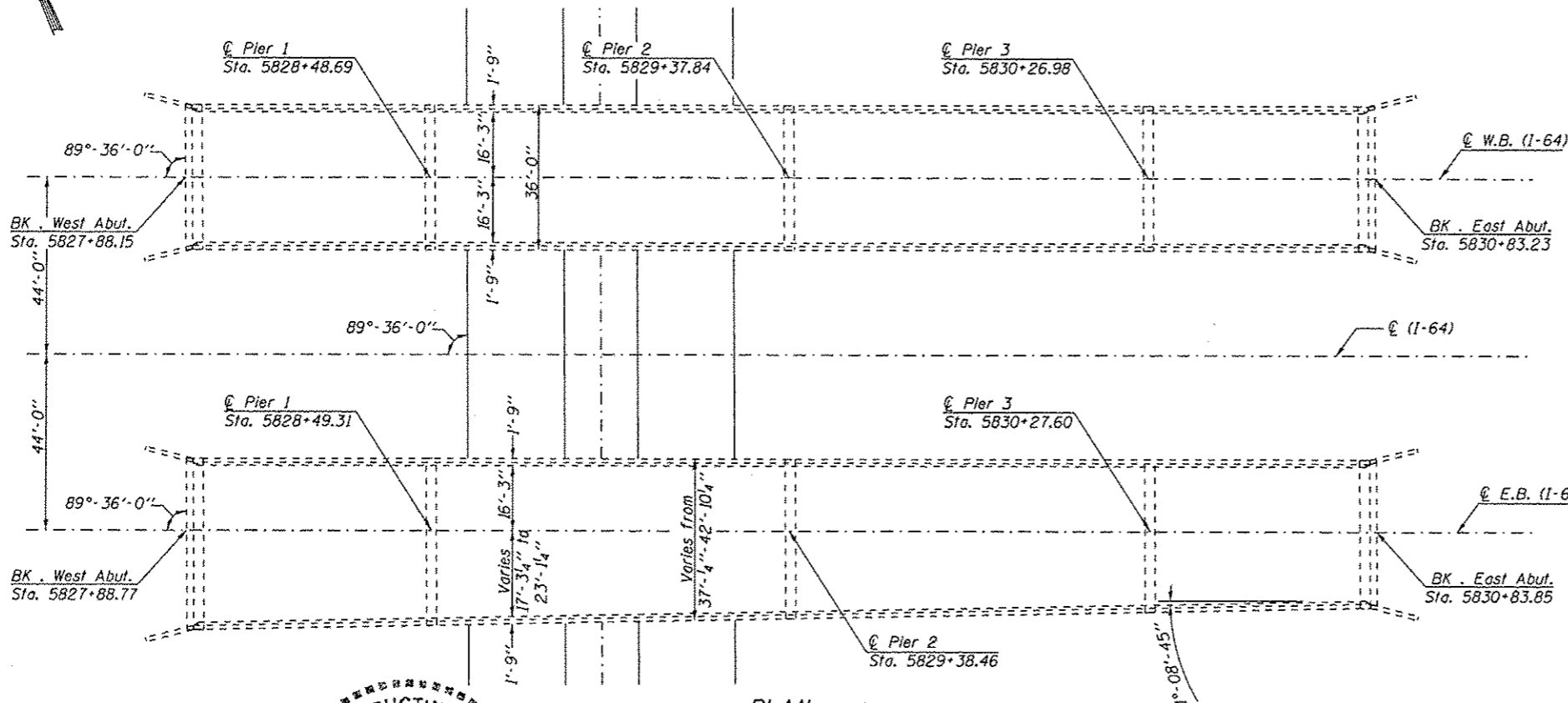


ELEVATION

GENERAL NOTES

All structural steel shall be AASHTO M 270 Grade 36 unless otherwise noted. No field welding is permitted except as specified in the contract documents. 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. 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. 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". Deck Slab Repair (Partial) quantities have been estimated at 3% of the deck. HMA Surface Removal (Deck) includes the removal of the existing HMA surface and the existing W.M.S.



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Polymerized HMA Surface Course, Mix "D", N90	Ton	168
Waterproofing Membrane System	Sq. Yd.	2241
HMA Surface Removal (Deck)	Sq. Yd.	2241
Elastomeric Bearing Assembly, Type II	Each	26
Jack and Remove Existing Bearings	Each	26
Furnishing and Erecting Structural Steel	Pound	3200
Anchor Bolts 1"	Each	52
Deck Slab Repair (Partial)	Sq. Yd.	68

Scope of Work

- Setup Traffic Control with drums
- Remove existing HMA overlay and WMS.
- Complete partial depth patching
- Lay WMS and HMA overlay
- Replace bearings
- Switch stages and repeat



By Carl Puzey 11/22/13
Expires 11/30/14

Design Stresses

FIELD UNITS (New Construction)
 $f_y = 36,000$ psi (AASHTO M270 Gr. 36)
 FIELD UNITS (Existing Construction)
 $f_c = 1,400$ psi (super & sub.)
 $f_s = 20,000$ psi (structural steel)
 $f_s = 20,000$ psi (reinforcement)
 $V_c = 75$ psi (Figs.)
 $n = 10$

BRIDGE REPAIR
 FAI RT 64 OVER IL RT 1
 WHITE COUNTY
 SECTION (97-2-1)RS-1; BSMART 2012-1
 STA. 5828+91.26
 SN 097-0001 (EB) SN 097-0002 (WB)

FILE NAME =	USER NAME = halssteadr	DESIGNED - TWH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE REPAIRS	F.A.I. RTE. 64	SECTION -	COUNTY WHITE	TOTAL SHEETS 54	SHEET NO. 27	
o:\p\work\pvidot\halssteadr\08344468\	l-pin.dgn	DRAWN - TWH	REVISED -			SCALE:	SHEET NO. 1 OF 25 SHEETS	STA.	TO STA.	CONTRACT NO. 78282	ILLINOIS FED. AID PROJECT
	PLOT SCALE = 48,0000' / in.	CHECKED - MAS	REVISED -								
	PLOT DATE = 10/7/2013	DATE - 5/9/13	REVISED -								