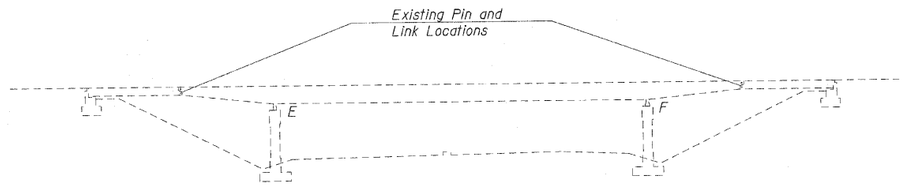
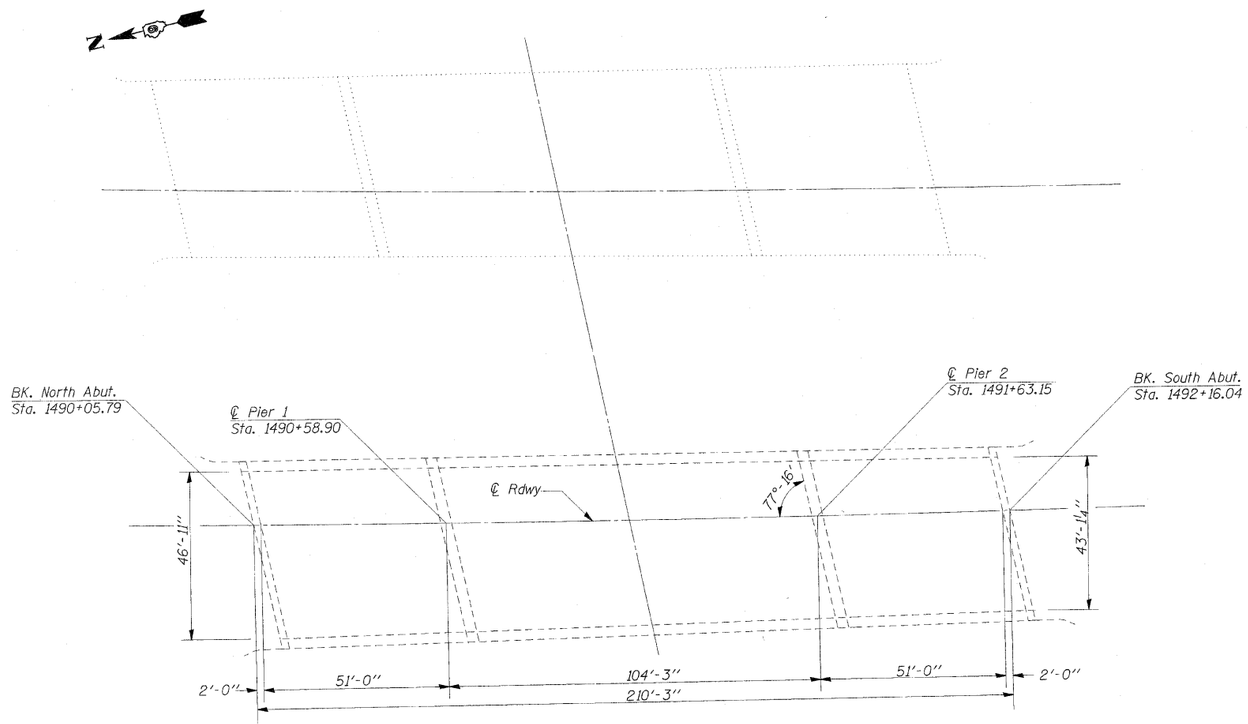


ELEVATION



PLAN

STATE OF ILLINOIS
WAYNE E. ANDERSON
081-004625
LICENSED STRUCTURAL ENGINEER
SPRINGFIELD

Expires 11/30/2012

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.

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANITY
Bridge Deck Grooving	Sq. Yd.	998
HMA Surface Removal (Asbestos)	Sq. Yd.	1030
Bridge Deck Microsilica Concrete Overlay 3"	Sq. Yd.	1030
Bridge Deck Hydro-Scarification $\frac{3}{4}$"	Sq. Yd.	1030
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	1
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	21
Polymer Concrete	Cu. Ft.	5.8
Protective Coat	Sq. Yd.	1030

Design Stresses

FIELD UNITS (Existing Construction)

fc = 1,400 psi (super & sub.)
fs = 18,000 psi (structural steel)
fs = 20,000 psi (reinforcement)
Vmax = 75 psi (Ftgs.)
n = 10

BRIDGE REPAIR
FAI RT 57 OVER
IL RTE. 13
WILLIAMSON COUNTY
STA. 1491+10.38
SN 100-0009 (SB)

FILE NAME = c:\pw_work\pwidot\halsteadtw\d0235583\100-0008-0009_sht-plan.dgn	USER NAME = halsteadtw	DESIGNED - TWH	REVISED -
		DRAWN - TWH	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAS	REVISED -
	PLOT DATE = 9/20/2010	DATE - 8/10/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION

SCALE: | SHEET NO. 1 OF 4 SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BSMART 2011-1	WILLIAMSON	11	8
		CONTRACT NO. 78226		
		ILLINOIS FED. AID PROJECT		