

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 bulking, 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.

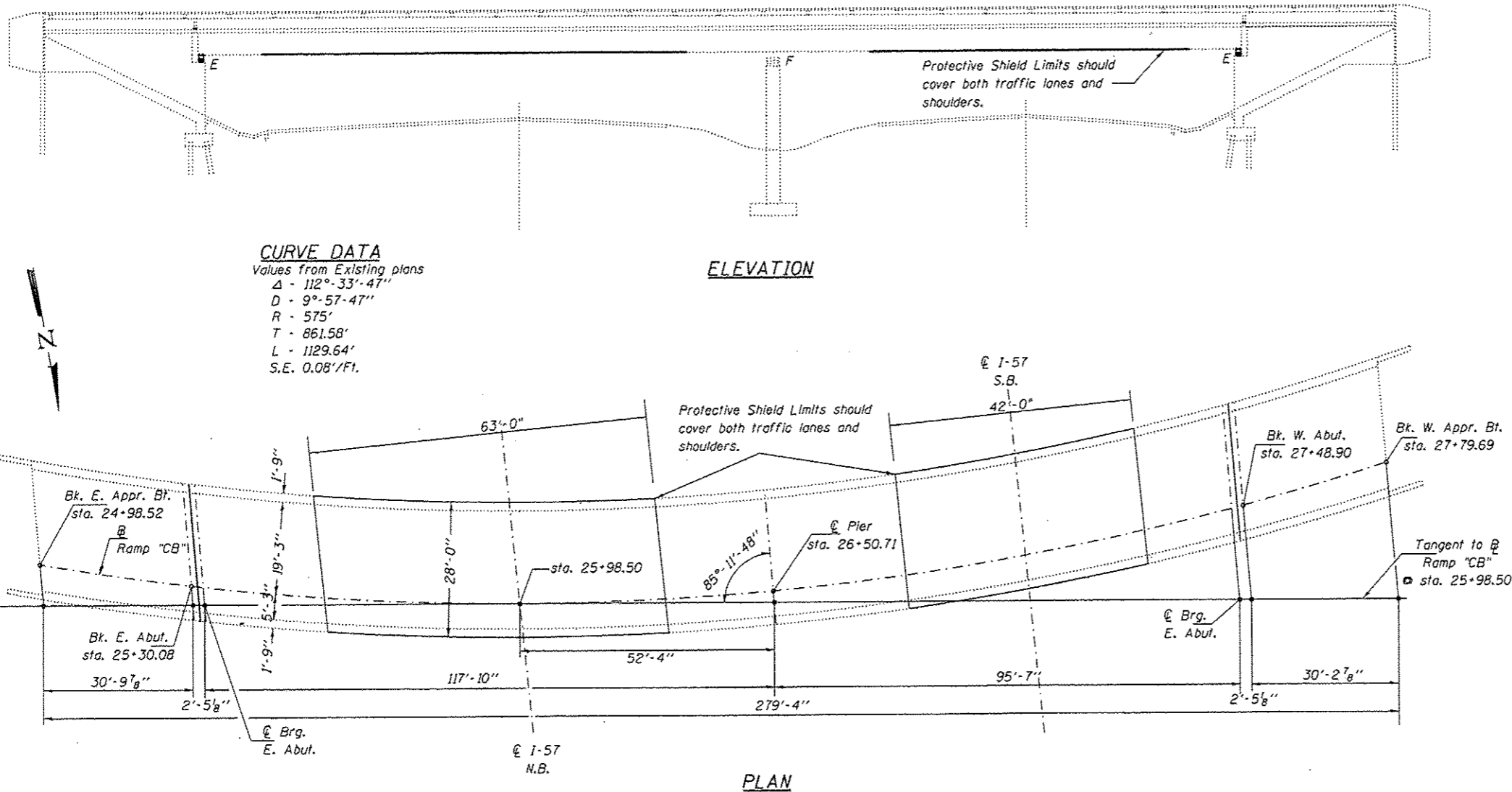
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of 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 the 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."

The bearings and any area needing touched up shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the Final Finish Coat for interior beams shall be GRAY, MUNSELL NO. 5B 7/1 and the exterior beams shall be INTERSTATE GREEN, MUNSELL NO. 7.5G 4/8.

Protective Shield shall be place before any work begins utilizing Traffic Control and Protection (Special) and shall be taken down once the work is completed.



CURVE DATA
 Values from Existing plans
 Δ - 112°-33'-47"
 D - 9°-57'-47"
 R - 575'
 T - 861.58'
 L - 1129.64'
 S.E. 0.08'/Ft.

ELEVATION

PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Waterproofing Membrane System	Sq. Yd.	768
Polymerized Hot-Mix Asphalt Surface Course, Mix "D", N90	Ton	63
Deck Slab Repair (Partial Depth)	Sq. Yd.	166
Deck Slab Repair (Full Depth)	Sq. Yd.	5
Protective Shield	Sq. Yd.	327
Elastomeric Bearing Assembly Type I	Each	8
Anchor Bolts, 1"	Each	32
Jack and Remove Existing Bearings	Each	8
Furnishing and Erecting Structural Steel	Pound	1,713
Silicone Joint Sealer, 1/2"	Foot	56
Structural Repair of Concrete ≤ 5"	Sq. Ft.	42

Scope of Work

- Close Structure
- Setup Traffic Control Special as shown in Plans
- Setup Protective Shield
- Takedown Traffic Control Special
- Complete Deck Slab Patching
- Structural Repair of Concrete ≤ 5 inches
- Silicone Joint and Bearing Replacement
- Install WMS and HMA Overlay
- Setup Traffic Control Special as shown in Plans
- Takedown Protective Shield
- Takedown Traffic Control Special



David Carl Puzey 7/24/14
 Expires 11/30/14

Design Stresses

FIELD UNITS (New Construction)
 fy = 36,000 psi (AASHTO M270 Gr. 36)

FIELD UNITS (Existing Construction)
 f'c = 1,200 psi (Deck Slab)
 f'c = 1,400 psi (Curb, Parapet, Sub.)
 fy = 20,000 psi (structural steel)
 fy = 20,000 psi (reinforcement)
 Vc = 75 psi (Ftgs.)
 n = 10

BRIDGE REPAIRS
FAI 24 OVER FAI 57
WILLIAMSON COUNTY
STA. 25+30.08
S. N. 100-0059

FILE NAME: c:\pwwork\pawid\dahmerj\0307649\78424\sh-1-plan.dgn	USER NAME: dahmerj	DESIGNED: JAD	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION	F.A.I. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
PLOT SCALE: 1/80,0000	PLOT DATE: 8/19/2014	DRAWN: -	REVISED: -			24	09 CM BRIDGE REP. 2015-1	WILLIAMSON	19	9
Checked: -	DATE: -	CHECKED: TLC	REVISED: -			CONTRACT NO. 78424				
Default		DATE: -	REVISED: -			SCALE:	SHEET 1 OF 8 SHEETS STA. TO STA.			