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DESIGNED - WJC REVISED -D160W29-Sht-Sign-Det-02.dgn **BRIDGE MOUNT SIGN** STATE OF ILLINOIS USER NAME = BAWitort DRAWN - WJC REVISED GENERAL PLAN AN PLOT SCALE = 2.0000 '/ in. CHECKED - KAM REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: NONE OF 5 SHEET - 10/30/2013 SHEET 1 PLOT DATE = 10/28/2013 DATE REVISED

GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications") (2)

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code (Steel) and the Standard Specifications.

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 (M183, M223 Gr. 50,).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO MI64 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.



ANCHOR RODS: All-threaded rod shall conform to ASTM F1554 Grade 105, ${}^{3}_{4}{}^{\prime\prime}\phi$ x 12^{''} long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

Steel Grating See Detail D

Safety Chain ___ Each end

- (1) Bracket spacing $g \leq 6' 0''$, max. Spacing shall be uniform if possible but may vary ±6" to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- (2) Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- (3) Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (cw, dw) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
- (4) If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

Total Grating/			
Hndrl. Lengths			
(C _W + d _W)			
0'-0"			
0'-0"			

TOTAL BILL OF MATERIAL

(3) OVERHEAD SIGN STRUCTURE- BRIDGE MOUNTED	Foot	35	
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N STRUCTURES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
n	ELEVATION		90/94/290	2013-011R	COOK	356	103
שו	LLLVATION				CONTRACT	NO. 6	OW29
ſS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				