

ATRICK

F	F.A.I. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.			
Γ	90	1414B	СООК	74	13			
4	STA. TO STA.							

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT CONTRACT NO. 60384

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 Specificiations.

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 conforming to ASTM A307, ${}^{3}_{4}$ " ϕ 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".
 - (1) Bracket spacing $g \le 6' 0''$ 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 Section A-A and dimensions k & I, see Sheet 14.
 - For Safety Chain Details and Details D, F and G, see Sheet 16. (4) If walkway bracket at safetey chain loation is behind sign, add angle to bracket. See detail on Sheet 16.

BILL OF MATERIAL

ІТЕМ	UNIT	QUANTITY
Overhead Sign Structure - Bridge Mounted	Foot	72
Sign Panel Type 3	Sq. Ft.	529

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION					
NAME	DATE						
	SAYRE AVENUE OVER 1-90						
		BRIDGE MOUNTED SIGN					
		STRUCTURES					
				OTHOUTONED	•		
		SCALE:	NONE		DRAWN BY	R₩K	
					DIVALUE DI	TO BOA	
		DATE	1/20/09		CHECKED BY	PML	