

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	132, 47-4K	KENDALL/GRINDY	243	167
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 66294				

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 M164 (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".

Contractor shall field check all bridge dimensions shown on plans before submitting shop drawings

Engineer shall verify minimum distances between sign supports & bridge railing post supports prior to erection of sign support.

The cost for removal and reinstallation of members of the existing Sign Support shall be incidental to Modify Existing Overhead Sign Structure, Bridge Mounted.

- Bracket spacing $g \leq 6'-0"$, max. Spacing shall be uniform if possible but may vary $\pm 6"$ to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- Basis of Payment: This work will be paid for at the contract unit price per Each for Modify Existing Overhead Sign Structure, Bridge Mounted that includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
- If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

NUMBER	REVISION	DATE

TOTAL BILL OF MATERIAL

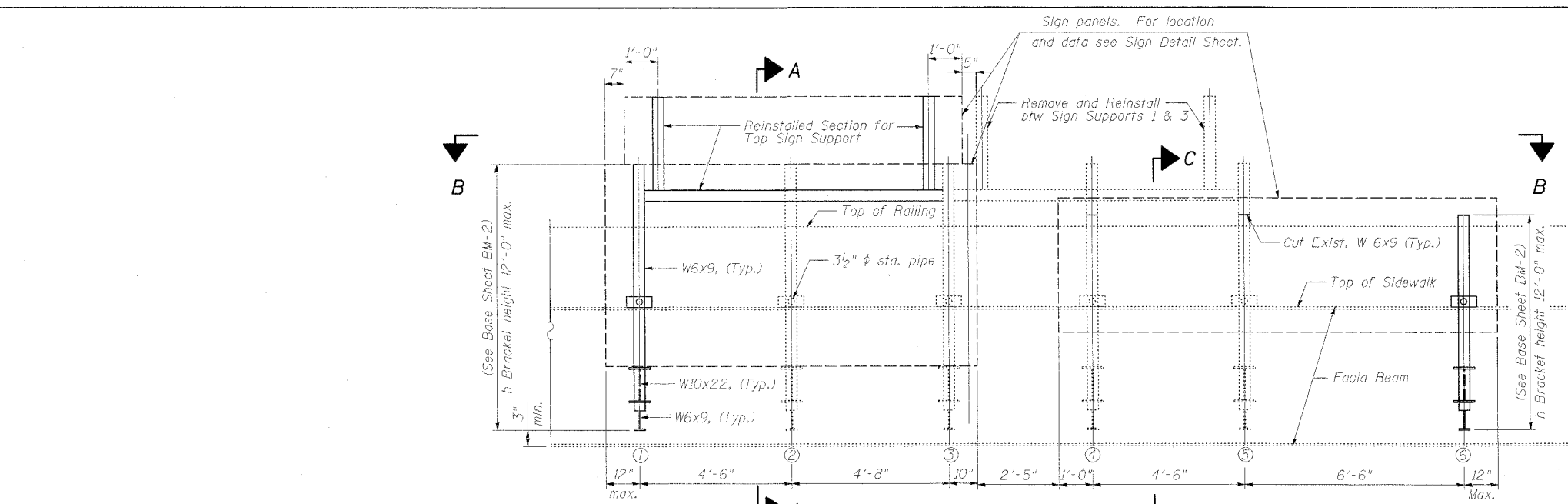
** Modify Existing Overhead Sign Structure, Bridge Mounted	Each	1
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** See Special Provisions

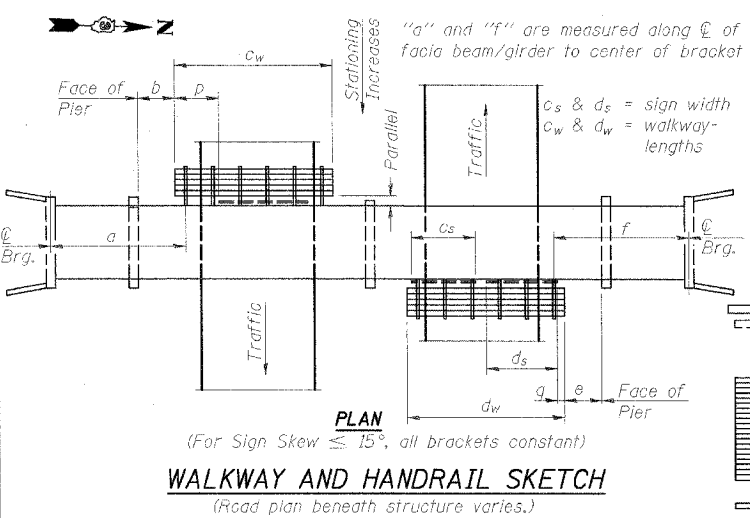
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 80
 (I-80 AT MINOOKA INTERCHANGE)

**BRIDGE MOUNT SIGN STRUCTURES
 GENERAL PLAN AND ELEVATION**

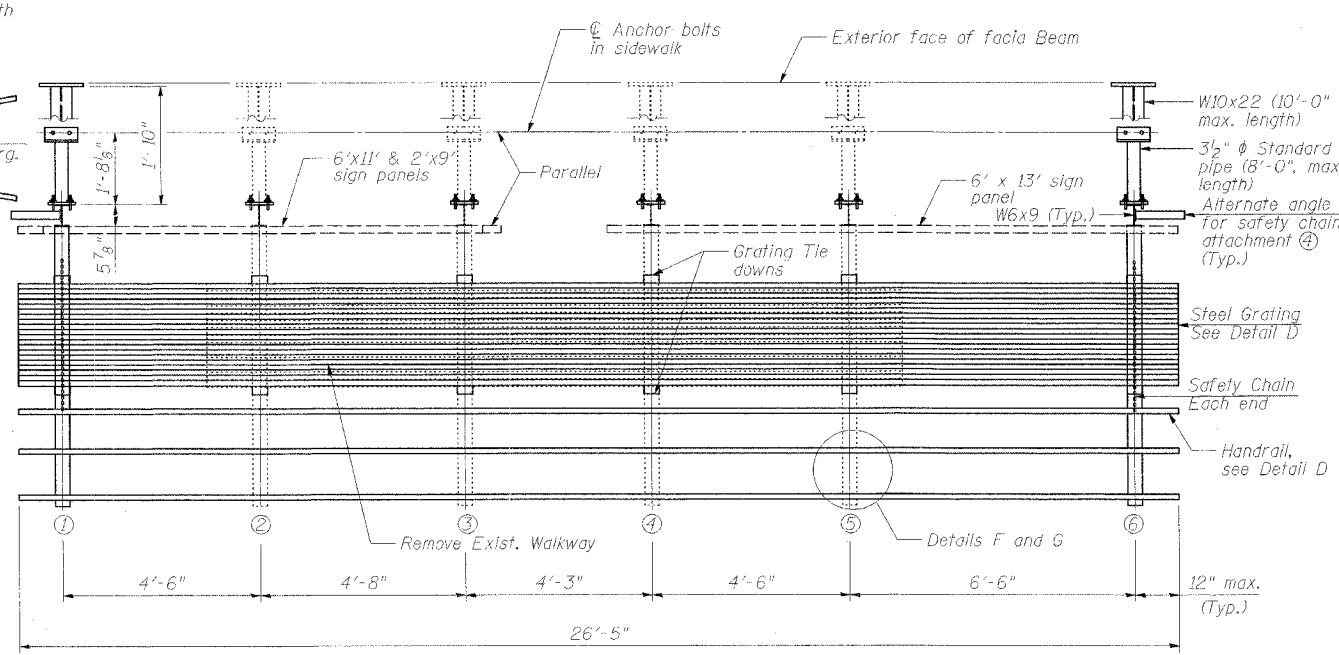
SCALE: None
 DATE: 2/10/06
 DRAWN BY: M. Tryon
 CHECKED BY: A. Yargicoglu



TYPICAL FRONT ELEVATION
 (with lights, safety chain, and handrail omitted for clarity)



WALKWAY AND HANDRAIL SKETCH
 (Road plan beneath structure varies.)



SECTION B-B

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	b	cs	cw	ds	d _w	e	f	g	No. of Brackets (Total)	p	q	Total Grating/Hndrl. Lengths
3B047I080L122.3	0	1735+95.90	032-0065	Interstate	N/A	N/A	11'-0"	N/A	13'-0"	26'-5"	13'-11"	57'-4 1/2"	*	6***	N/A	N/A	26'-5"

Dimensions a, b, e, f & g may vary as approved by the Engineer, see (1).
 When $c_w < c_s$ and/or $d_w < d_s$, use alternate brackets without walkway supports where applicable, see (3).
 * See Section B-B
 *** 4 Existing Brackets and 2 Proposed Brackets

BM-1 1-7-05

