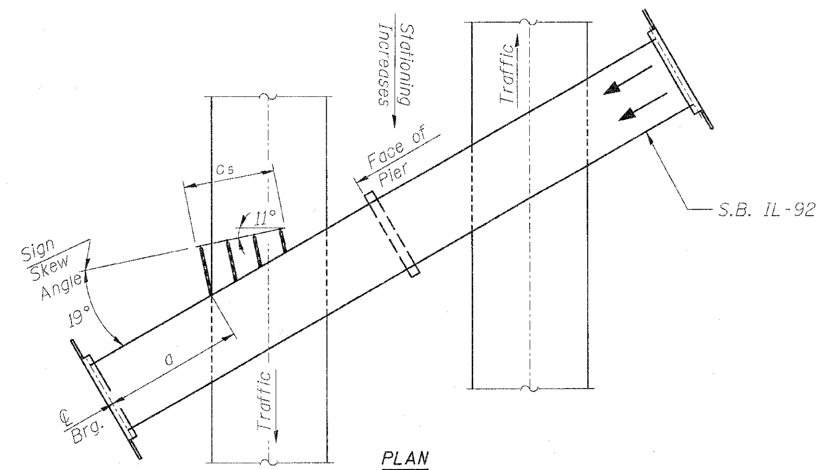
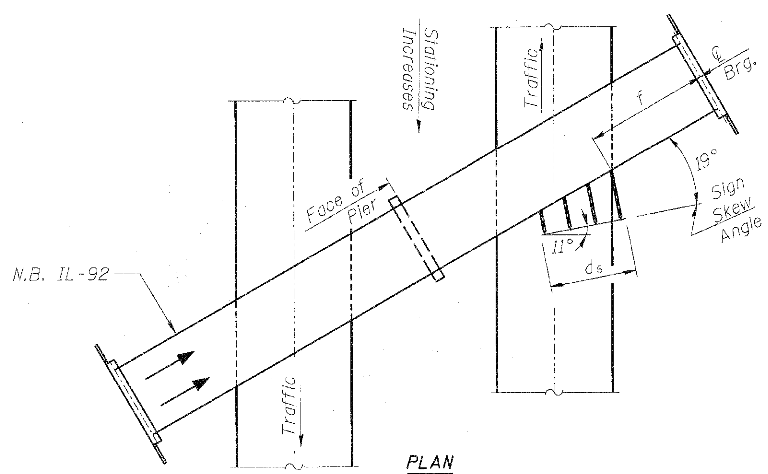


SIGN LAYOUT SKETCH (S.B. IL-92 LANES)

Note: Sign is skewed 11° off line perpendicular to ℄ S.B. lanes



SIGN LAYOUT SKETCH (N.B. IL-92 LANES)

Note: Sign is skewed 11° off line perpendicular to ℄ N.B. lanes

Structure Number	Sign Skew Angle	Bridge Station	Bridge Structure Number	Contract Route Designation	a	c_s	d_s	f	g	ℓ min.	ℓ max.	k min.	k max.
2B081S092L	19°	1392+06.90	081-0188 (S.B.)	F.A.I. 280	76'-7"	19'-0"	X	X	5'-8"	1'-1 1/4"	6'-11 1/2"	4'-1 5/8"	9'-11 7/8"
2B081S092R	19°	1391+69.94	081-0189 (N.B.)	F.A.I. 280	X	X	18'-0"	77'-1 1/4"	5'-4"	1'-2 7/8"	6'-9"	4'-3 1/4"	9'-9 3/8"

Dimensions a, f & g may vary as approved by the Engineer.

"a" and "f" are measured along ℄ of facia beam/girder to center of bracket.

c_s & d_s = sign width

GENERAL NOTES

SPECIFICATIONS:

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

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 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".

TOTAL BILL OF MATERIAL

OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	Foot	37
SIGN PANEL, TYPE 3	S.F.	352

BRIDGE MOUNT SIGN STRUCTURES
GENERAL PLAN AND NOTES
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

Hanson Professional Services Inc.

JOB NO. 05R1532A	SHEET NO. 1	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DATE 07/23/10	3 SHEETS	280	81-1(HB)R	Rock Island	503	184
				CONTRACT NO. 64815		
			ILLINOIS FED. AID PROJECT			

LAYOUT	BWC	05/19/10
DRAWN	BWC	05/19/10
REVIEWED	SMK	05/25/10