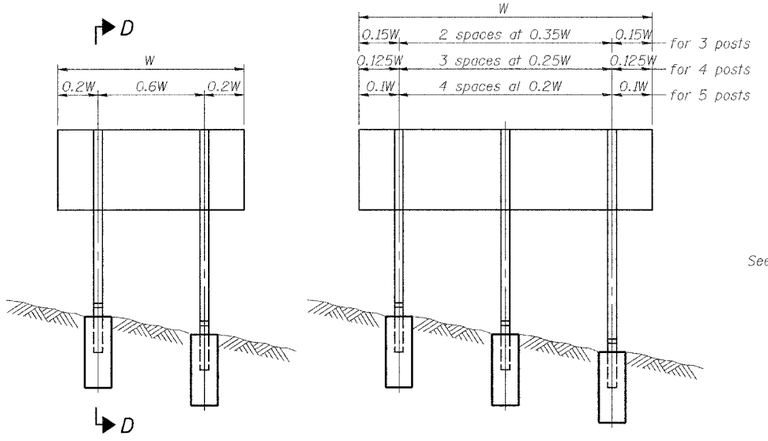
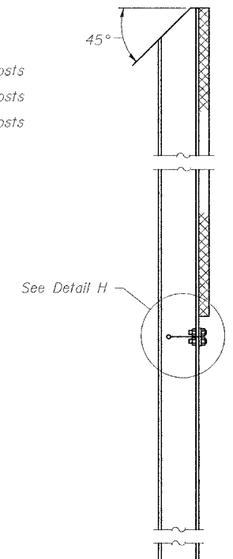
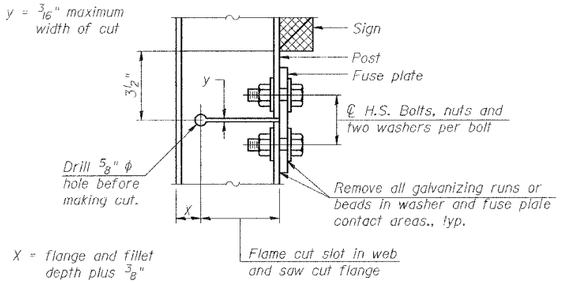
CONTRACT No. 98994

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6-2)HBK	WILLIAMSON	272	131
STA.	TO STA.			
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

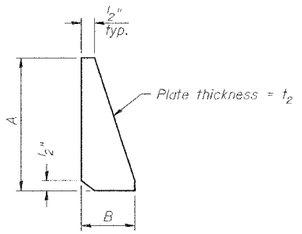


ELEVATION

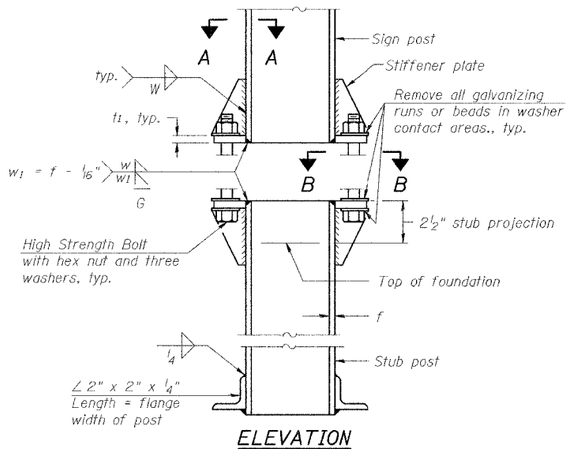




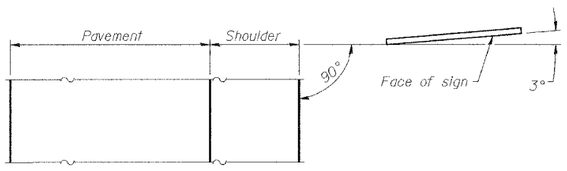
DETAIL H



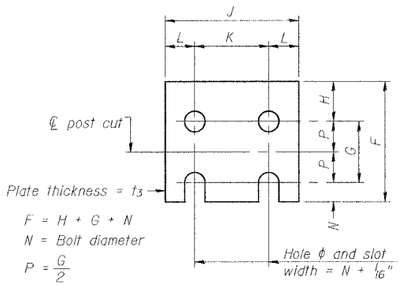
STIFFENER PLATE DETAIL
(See table for dimensions.)



ELEVATION
SIGN POST & STUB POST

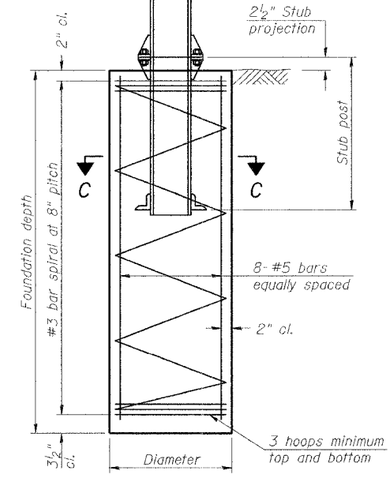


LOCATION SKETCH

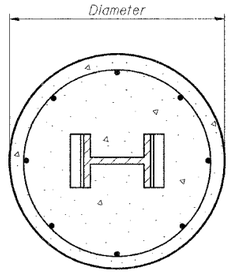


FUSE PLATE DETAIL
(Install with notches down.)

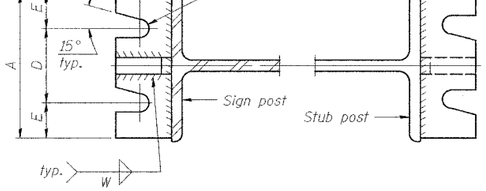
FUSE PLATE DATA		
N = Bolt Diameter	G	H
½"	2"	1⅛"
⅝"	2¼"	1¼"
¾"	2½"	1⅜"
⅞"	2¾"	1½"
1"	3"	1⅝"
1⅛"	3¼"	1¾"



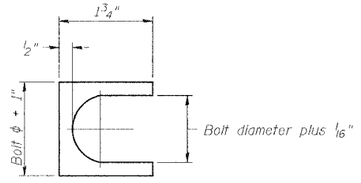
SECTION D-D



SECTION C-C



SECTION A-A SECTION B-B



SHIM DETAIL
Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

NUMBER	REVISION	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS

MORGAN AVENUE INTERCHANGE
FAI ROUTE 57 WITH FAU ROUTE 9718
WILLIAMSON COUNTY

SHEET 1 OF 2

SCALE: N/A DATE: 3-19-2007

BAW-A-1 7/01/2006

PLOT DATE = 3/19/2007
FILE NAME = P:\2428220\dgn\0406804sr-d582.dgn
PLOT SCALE = 64.0000 '/ IN.
USER NAME = dhoerner