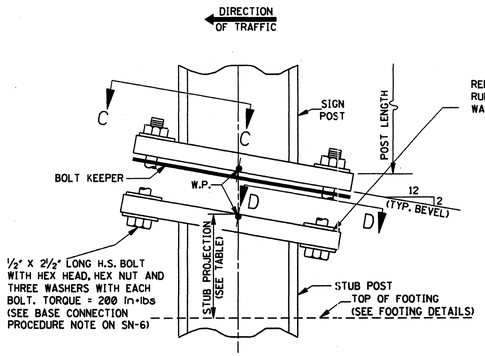
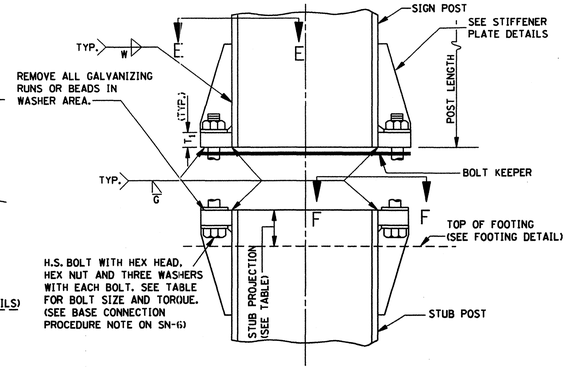
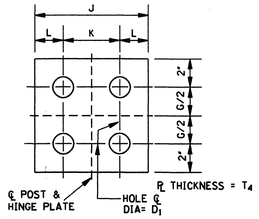
STATE	PROJECT NO.
MISS.	



BASE CONNECTION DETAILS FOR S3 X 5.7 AND S4 X 7.7 SHAPED POSTS

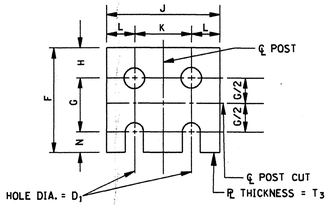


BASE CONNECTION DETAILS FOR W SHAPED POSTS



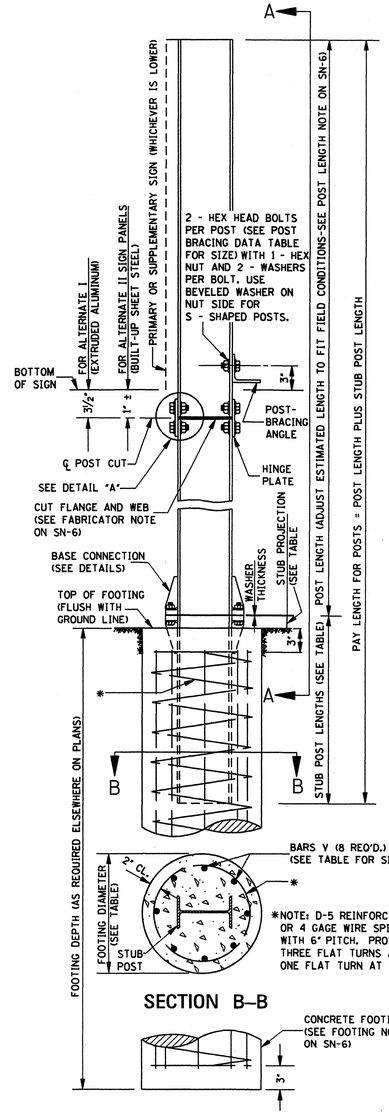
HINGE PLATE

NOTE: INSTALLATION SIMILAR TO DETAIL "A", FUSE PLATE.



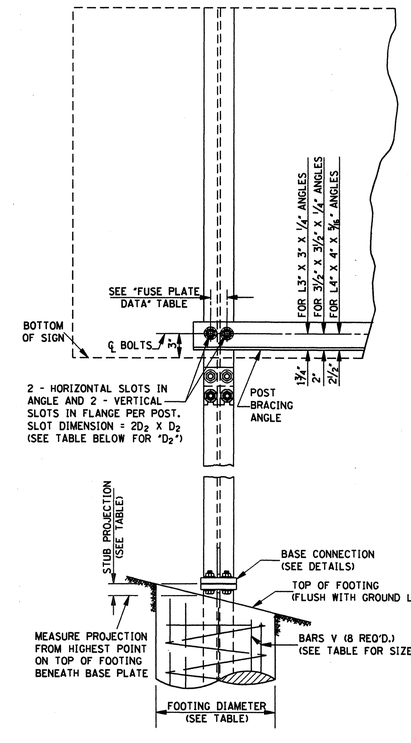
FUSE PLATE DETAIL

NOTE: SEE TABLE FOR DIMENSIONS. USE H.S. BOLTS WITH HEX HEAD, HEX NUTS, ONE FLAT WASHER UNDER EACH BOLT HEAD AND BEVEL OR FLAT WASHERS (WHERE REQUIRED) UNDER NUTS.



SECTION B–B

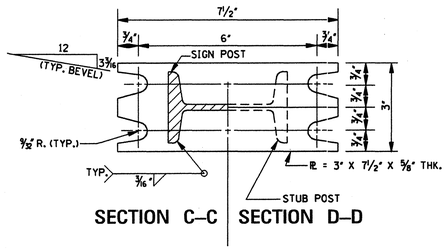
END ELEVATION OF POST AND FOOTING



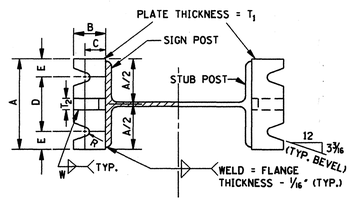
SECTION A–A

GENERAL NOTE:

1. SEE SN-6 FOR GENERAL NOTES.



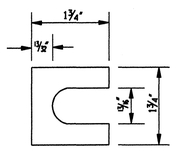
SECTION C–C SECTION D–D



SECTION E–E SECTION F–F

NOTE: SEE TABLE FOR DIMENSIONS

NOTE: WHERE SIGN SUPPORTS MAY BE STRUCK FROM MORE THAN ONE DIRECTION, THE BASE CONNECTIONS SHALL BE LEVEL.



SHIM DETAIL

NOTE: FURNISH 2-0.012" ± THICK AND 2-0.032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B 36.

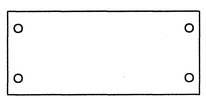
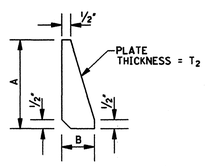


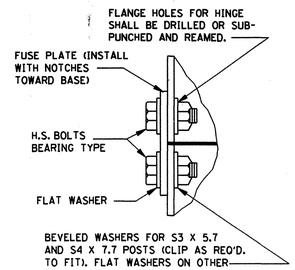
DIAGRAM OF "BOLT KEEPER"

NOTE: FABRICATED FROM 28 GAGE GALVANIZED) STEEL. REQUIRED BETWEEN BASE PL AND STUB POST PL. DIMENSIONED AS REQUIRED FOR EACH INSTALLATION.



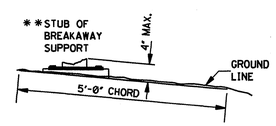
STIFFENER PLATE DETAIL

NOTE: SEE TABLE FOR DIMENSIONS



DETAIL "A", FUSE PLATE

NOTE: SEE FABRICATOR NOTE ON SN-6.



BREAKAWAY SUPPORT STUD CLEARANCE DIAGRAM

**NOTE: STUB PROJECTION SHOULD BE MEASURED OVER A 5'-0" CHORD AS PER AASHTO SPECIFICATIONS LATEST EDITION.

POST BRACING DATA

DESCRIPTION \ POST SIZE		W12 X 26 W10 X 26 W10 X 22	W8 X 21 W8 X 18 W6 X 15	W6 X 9 W6 X 12 "S" SHAPES
BOLT SIZE		⅞" X 2¼"	¾" X 2"	½" X 1¾"
D_2		15/16"	13/16"	9/16"
ANGLE LENGTH		Z + 9"	Z + 8"	Z + 6"
ANGLE SIZE FOR POST SPACING OF	0-9'	L4" X 4" X 5/16"	L3½" X 3½" X ¼"	L3" X 3" X ¼"
	9'-11'	L4" X 4" X 5/16"	L3½" X 3½" X ¼"	L3½" X 3½" X ¼"
	11'-18'	L4" X 4" X 5/16"	L4" X 4" X 5/16"	L4" X 4" X 5/16"

NOTE: Z = DISTANCE BETWEEN ℄'S OF EXTERIOR POSTS.

BASE CONNECTION DATA

POST SIZE \ DIMENSION	BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_2	W	R
S3 X 5.7	SEE DETAIL									
S4 X 7.7										
W6 X 9	⅝" X 2¾" LONG TORQUE 300 in•lbs	5"	2"	1¼"	2¾"	1⅛"	¾"	½"	¼"	11/32"
W6 X 12										
W6 X 15										
W8 X 18										
W8 X 21	¾" X 3½" LONG TORQUE 500 in•lbs	6"	2¼"	1⅜"	3½"	1¼"	1"	¾"	5/16"	13/32"
W10 X 22										
W10 X 26										
W12 X 26										

FUSE PLATE DATA

F	G	H	J	K	L	N	D_1	T_3	BOLT SIZE (DIA. X LENGTH)	MIN. BOLT TENSION (lbs)	T_4
3⅛"	1½"	1⅛"	2⅝"	1½"	9/16"	½"	9/16"	¼"	½" X 1¾"	12,050	¼"
3⅛"	1½"	1⅛"	2⅝"	1½"	9/16"	½"	9/16"	¼"	½" X 1¾"	12,050	¼"
3⅝"	2"	1⅛"	4"	2¼"	⅞"	½"	9/16"	¼"	½" X 1½"	12,050	¼"
3¾"	2"	1⅛"	4"	2¼"	⅞"	⅝"	11/16"	⅜"	⅝" X 2"	19,200	⅜"
4½"	2½"	1¼"	6"	3½"	1¼"	¾"	13/16"	½"	¾" X 2¼"	28,400	⅜"
4½"	2½"	1¼"	5¼"	2¾"	1¼"	¾"	13/16"	½"	¾" X 2¼"	28,400	⅜"
4⅞"	2½"	1½"	5¼"	2¾"	1¼"	⅞"	15/16"	9/16"	⅞" X 2½"	39,250	⅜"
5⅜"	3"	1½"	5¾"	2¾"	1½"	⅞"	15/16"	9/16"	⅞" X 2½"	39,250	⅜"
5⅜"	3"	1½"	5¾"	2¾"	1½"	⅞"	15/16"	9/16"	⅞" X 2½"	39,250	7/16"
5⅜"	3"	1½"	6½"	3½"	1½"	⅞"	15/16"	9/16"	⅞" X 2½"	39,250	⅜"

FOOTING DATA

STUB LENGTH	STUB** PROJECTION	FOOTING DIAMETER	BARS V SIZE	DIMENSION \ POST SIZE
1'-6"	3½"	1'-6"	#4	S3 X 5.7
1'-6"	3½"	1'-6"	#4	S4 X 7.7
2'-0"	3"	2'-0"	#4	W6 X 9
2'-0"	3"	2'-0"	#5	W6 X 12
2'-6"	3"	2'-0"	#6	W6 X 15
2'-6"	3"	2'-0"	#7	W8 X 18
3'-0"	2½"	2'-0"	#8	W8 X 21
3'-0"	2½"	2'-0"	#9	W10 X 22
3'-0"	2½"	2'-0"	#10	W10 X 26
3'-0"	2½"	2'-0"	#11	W12 X 26

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

BREAKAWAY SIGN SUPPORTS

ISSUE DATE: OCTOBER 1, 1998

WORKING NUMBER SN-6A

SHEET NUMBER 230