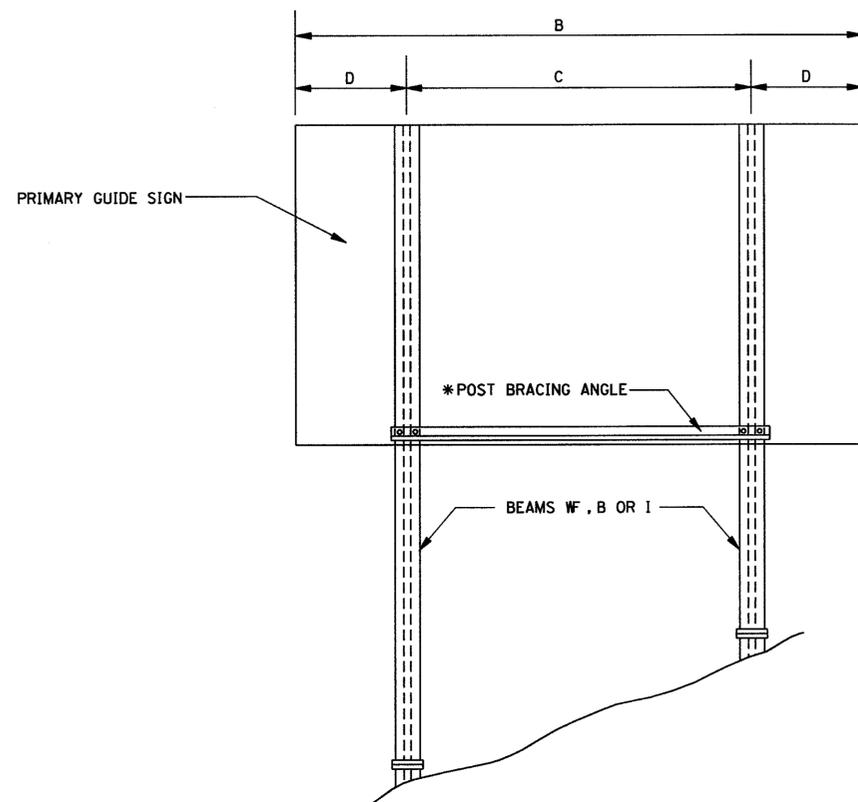
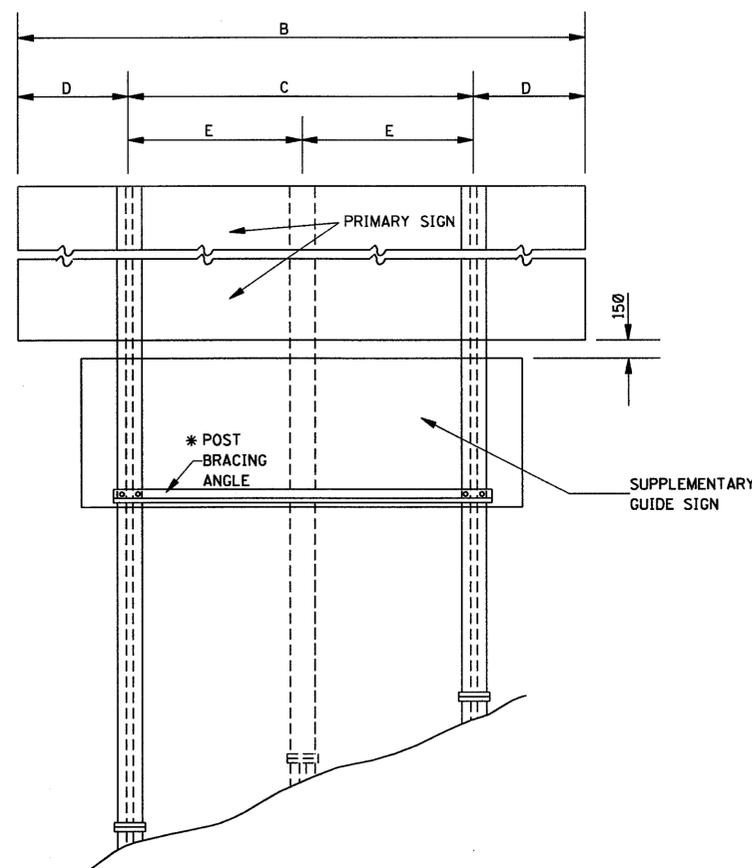


GENERAL NOTES FOR WORKING SHEETS SN-6, SN-6A AND SN-6B:

- FOOTING**
ALL FOOTINGS SHALL BE CLASS "B" CONCRETE. POST STUBS SHALL BE SET IN CONCRETE FOOTING AT REQUIRED GRADE AND ALIGNMENT WITH CARE SO THAT MINIMUM SHIMMING WILL BE REQUIRED.
- BASE CONNECTION PROCEDURE**
ASSEMBLE POST TO STUB WITH BOLTS AND WITH A FLAT WASHER ON EACH BOLT BETWEEN PLATES. SHIM AS REQUIRED TO PLUMB POST. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 300-mm TO 375-mm WRENCH TO BED WASHERS AND SHIMS AND TO CLEAN BOLT THREADS. THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE AS SHOWN BY TABLE. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH. HIGH STRENGTH BOLTS IN BASE CONNECTIONS SHALL BE TIGHTENED TO TORQUE AS SHOWN BY TABLE ON SN-6A. **DO NOT OVER TIGHTEN!**
- POST LENGTH**
ALL POST LENGTHS SHALL BE VERIFIED AND APPROVED BY THE ENGINEER PRIOR TO FABRICATION. WHERE FIELD CONDITIONS REQUIRE THE POST LENGTH TO VARY MORE THAN 300 mm, IT MAY BE NECESSARY TO CHANGE THE SIZE OR NUMBER OF POSTS. SUCH DETERMINATION WILL BE MADE BY THE ROADWAY DESIGN ENGINEER. ANY CHANGE OF SIZE OR NUMBER OF POSTS SHALL NOT BE JUSTIFICATION FOR ANY CONTRACT PRICE ADJUSTMENTS.
- FABRICATOR NOTE**
IMPORTANT- ALL FRICTION FUSE BOLTS SHALL BE TIGHTENED IN SHOP BY A METHOD APPROVED BY THE BRIDGE DESIGN ENGINEER. TIGHTENING SHALL BE TO SUCH A DEGREE AS TO PROVIDE THE MINIMUM TENSION IN EACH BOLT WHEN ALL BOLTS ARE TIGHT, AS SHOWN BY TABLE SN-6A.
- ALL HOLES IN FUSE PLATES AND HINGE PLATES SHALL BE DRILLED.
- ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE ACCEPTABLE.
- WELDING FOR STEEL SIGN SUPPORTS**
WELDING SHALL BE PERFORMED IN SHOP BY ELECTRIC ARC PROCESS.
- MATERIAL SPECIFICATIONS**
THE MATERIALS USED IN THE CONSTRUCTION OF THE GROUND MOUNTED SIGN SUPPORT STRUCTURES, AS LISTED BELOW, SHALL CONFORM WITH THE REQUIREMENTS OF THE DESIGNATED ASTM SPECIFICATION. ALL OTHER MATERIALS, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS, EXCEPT AS OTHERWISE NOTED ON THE PLANS.



TYPICAL 2-POST INSTALLATION WITHOUT EXIT SIGN



TYPICAL 2 OR 3 POST INSTALLATION WITH SUPPLEMENTARY GUIDE SIGN AND POST BRACING ANGLE LOCATION

* NOTE: PLACE POST BRACING ANGLE AT BOTTOM OF PRIMARY OR SUPPLEMENTARY SIGN WHICHEVER IS LOWER. (SEE "END ELEVATION OF POST AND FOOTING" ON SN-6A.)

SIGN POST SPACING TABLE									
2 POST			2 POST (CONT'D)			3 POST			
"B"	"C"	"D"	"B"	"C"	"D"	"B"	"C"	"D"	"E"
1200	600	300	4350	2600	875	6000	4200	900	2100
1350	750	300	4500	2700	900	6150	4300	925	2150
1500	900	300	4650	2800	925	6300	4400	950	2200
1650	1050	300	4800	2850	975	6450	4500	975	2250
1800	1200	300	4950	3000	975	6600	4650	975	2325
1950	1350	300	5100	3100	1000	6750	4700	1025	2350
2100	1500	300	5250	3150	1050	6900	4800	1050	2400
2250	1650	300	5400	3200	1100	7050	4950	1050	2475
2400	1800	300	5550	3300	1125	7200	5000	1100	2500
2550	1950	300	5700	3450	1125	7350	5200	1075	2600
2700	2100	300	5850	3500	1175	7500	5250	1125	2625
2850	2100	375	6000	3600	1200	7650	5300	1175	2650
3000	2100	450	6150	3700	1225	7800	5500	1150	2750
3150	2100	525	6300	3750	1275	7950	5550	1200	2775
3300	2100	600	6450	3900	1275	8100	5700	1200	2850
3450	2100	675	6600	4000	1300	8250	5800	1225	2900
3600	2200	700	6750	4050	1350	8400	5850	1275	2925
3750	2250	750	6900	4100	1400	8550	6000	1275	3000
3900	2300	800	7050	4200	1425	8700	6100	1300	3050
4050	2400	825	7200	4350	1425	8850	6150	1350	3075
4200	2550	825				9000	6300	1350	3150

DESCRIPTION	MATERIALS PER ASTM DESIGNATION	GALVANIZE ① PER ASTM DESIGNATION
POSTS OF STEEL PIPE	A 53 (GRADE "B") ②	A 53
BASE CONNECTION PLATES FOR PIPES	A 36M	A 123
POSTS OF STEEL W/ B, AND I BEAMS INCLUDING BASE CONNECTION, FUSE AND HINGE PLATES	A 588M OR A 572M GRADE 345	A 123
POST BRACING ANGLES AND FLAT BARS USED IN FABRICATION AND ERECTION OF SIGN SUPPORTS	A 36M	A 123
HIGH STRENGTH BOLTS, NUTS AND WASHERS	A 325M	A 153
BOLTS OTHER THAN HIGH STRENGTH ③	A 307 (GRADE "A")	A 153

- ① ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION EXCEPT AS NOTED ON THE PLANS.
- ② PIPES MAY BE WELDED OR SEAMLESS.
- ③ BOLTS, WASHERS, AND NUTS USED FOR FASTENING ALUMINUM SIGN SHEETS AND PANELS SHALL BE ALUMINUM AS PER FOLLOWING TABLE.

DESCRIPTION	ASTM DESIGNATION	ALLOY
BOLTS AND WASHERS	B 209M	2024-T4
PANEL BOLT NUTS	B 211M	6061-T6
STOP NUTS	B 211M	2017-T4

ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		<p style="text-align: center;">BREAKAWAY SIGN SUPPORTS</p> 	
DATE			
ISSUE DATE: OCTOBER 1, 1998		WORKING NUMBER SN-6	SHEET NUMBER 229