CONCRETE POST STUBS SHALL BE SET IN CONCRETE FOOTING. ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION EXCEPT AS NOTED ON THE PLAN.

NOTE: PLACE POST BRACING ANGLE AT BOTTOM OF PRIMARY OR SUPPLEMENTARY SIGN WHICHER IS LOWER.

BASE CONNECTION PROCEDURE:
ASSEMBLE POST TO STUB WITH BOLTS AND WITH A FLAT WASHER ON EACH BOLT BETWEEN PLATES. DO NOT USE FLAT HEAD BOLTS. FASTEN ALL BOLTS THE MINIMUM POSSIBLE, WITH 2'-0" TO 3'-0" WRENCH TO BED WASHERS AND SHINE AND TO CLEAN BOLT THREADS. THEN LOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE AS SHOWN BY TABLE. BURN 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 DETERMINED BY THE ROADWAY DESIGN ENGINEER. ANY CHANGE OF SIZE OR NUMBER OF POSTS SHALL BE JUSTIFICATION FOR ANY CONTRACT PRICE ADJUSTMENTS.

FABRICATOR NOTE:
IMPORTANT: ALL FRICITION TYPE 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 ON SN-6A.

ALL HOLES IN FUSE PLATES AND HINGE PLATES SHALL BE DRILLED.

HIGH STRENGTH BOLTS, WASHERS, AND NUTS USED FOR FASTENING ALUMINUM SIGN SHEETS AND PANELS SHALL BE ALUMINUM AS PER FOLLOWING TABLE.

GENERAL NOTES FOR WORKING SHEETS SN-6, SN-6A AND SN-6B:
1. FOUNDATION:
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 SETTING WILL BE REQUIRED.

2. BASE CONNECTION PROCEDURE:
ASSEMBLE POST TO STUB WITH BOLTS AND WITH A FLAT WASHER ON EACH BOLT BETWEEN PLATES. DO NOT USE FLAT HEAD BOLTS. FASTEN ALL BOLTS THE MINIMUM POSSIBLE, WITH 2'-0" TO 3'-0" WRENCH TO BED WASHERS AND SHINE AND TO CLEAN BOLT THREADS. THEN LOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE AS SHOWN BY TABLE. BURN 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!

3. POST LENGTH:
ALL POST LENGTHS SHALL BE DETERMINED BY THE ROADWAY DESIGN ENGINEER. ANY CHANGE OF SIZE OR NUMBER OF POSTS SHALL BE JUSTIFICATION FOR ANY CONTRACT PRICE ADJUSTMENTS.

4. FABRICATOR NOTE:
IMPORTANT: ALL FRICITION TYPE 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 ON SN-6A.

5. ALL PLATE CUTS SHALL PREFABRICATE TO SAW Cuts. FLAME CUTTING WILL BE PERMITTED PROVIDED ALL BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH. HIGH STRENGTH BOLTS, WASHERS, AND NUTS USED FOR FASTENING ALUMINUM SIGN SHEETS AND PANELS SHALL BE ALUMINUM AS PER FOLLOWING TABLE.

6. ALL PLATE CUTS SHALL PREFABRICATE TO SAW Cuts. FLAME CUTTING WILL BE PERMITTED PROVIDE ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLATE FACE WILL NOT BE ACCEPTABLE.

7. WELDING FOR STEEL SIGN SUPPORTS:
WELDING SHALL BE PERFORMED IN SHOP BY ELECTRIC ARC PROCESS.

8. MATERIAL SPECIFICATIONS:
THE MATERIALS USED IN THE CONSTRUCTION OF THE GROUND MOUNTED SIGN SUPPORT STRUCTURES, AS LISTED BELOW SHALL COMPLY 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.

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>MATERIALS</th>
<th>ASTM DESIGNATION</th>
<th>DESCRIPTION</th>
<th>GALVANIZED (%)</th>
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</thead>
<tbody>
<tr>
<td>POSTS OF STEEL PIPE</td>
<td>A 53</td>
<td>A 233</td>
<td>STEEL CONNECTION PLATES FOR PIPE</td>
<td>0.5</td>
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<tr>
<td>POSTS OF STEEL W, B, I BEAMS</td>
<td>A 250</td>
<td>A 572</td>
<td>STEEL POST W, B, I BEAMS AND ANGLES AND PLATES</td>
<td>123</td>
</tr>
<tr>
<td>POSTS OF STEEL</td>
<td>A 53</td>
<td>A 153</td>
<td>POST BRACING ANGLES AND FLAT BAR</td>
<td>123</td>
</tr>
<tr>
<td>STEEL BOLTS AND NUTS AND WASHERS</td>
<td>FOR FABRICATION AND ERECTION OF SIGN SUPPORTS</td>
<td>A 70</td>
<td>STEEL BOLTS OTHER THAN HIGH STRENGTH</td>
<td>122</td>
</tr>
<tr>
<td>STEEL BOLTS AND NUTS AND WASHERS</td>
<td>FOR FABRICATION AND ERECTION OF SIGN SUPPORTS</td>
<td>A 70</td>
<td>STEEL BOLTS OTHER THAN HIGH STRENGTH</td>
<td>122</td>
</tr>
</tbody>
</table>

(All steel shall be galvanized after fabrication except as noted on the plans. Bolt, washers, and nuts used for fastening aluminum sign sheets and panels shall be aluminum as per following table.)

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>ALLOY</th>
<th>DESCRIPTION</th>
<th>MATERIALS</th>
</tr>
</thead>
</table>
| SHIM | AL | SHIM AS REQUIRED TO PLUMB POST. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 2'-0" TO 3'-0" WRENCH TO BED WASHERS AND SHIMS AND TO CLEAN BOLT THREADS. THEN LOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE AS SHOWN BY TABLE. BURN THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH. HIGH STRENGTH BOLTS, WASHERS, AND NUTS USED FOR FASTENING ALUMINUM SIGN SHEETS AND PANELS SHALL BE ALUMINUM AS PER FOLLOWING TABLE.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

BREAKAWAY SIGN SUPPORTS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

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