SECTION B-B

END VIEW OF TRUSS SUPPORTS

- Hand holes shall be located only in posts that are closest to dynamic message sign and be positioned on side opposite traffic.

BASE PLATE PLAN

- Conduit is present only in posts with hand holes.

- The rodent guard shall be placed around the base plate.

- The rodent guard is stainless steel standard grade wire cloth.

- Standard inlet openings with a minimum wire diameter of 3/8 in. with a minimum 3" lap.

- Secure wire cloth to base plate after erection with stainless steel banding.

- The rodent guard shall extend above the top of the base plate.

- The rodent guard shall be stainless steel standard grade wire cloth.

- The rodent guard shall be continuously welded to the base plate.

- The backing ring shall be one piece or made continuously by a complete-joint-penetration groove weld, seal with light gray non-sag urethane caulk.

- After galvanizing, the 1/8" galvanizing hole shall be located in the base plate if needed.

- No hole shall be drilled through the backing ring of the post. No hole in the base plate shall be closer than 1" to fillet weld.

- The rodent guard shall be cut from 2" plate.

- Galvanized steel cover plate with 2" x 2" x 0.625 neoprene gasket to match plate.

- See standard sheet SOST-07-11 for details B, C, D and E.

- See standard sheet SOST-08-11 for details F and G.

PART ELEVATION

- For DMS trusses only.

- Hand holes, conduit, and pipe inlet couplings shall be included on DMS truss designs only. See standard sheet SOST-07-11 for details.

- Hand holes and electrical inlet holes shall be located in both truss supports unless otherwise indicated on detail project plans. Locate holes only in posts that are closest to dynamic message sign.

- Threaded steel pipe inlet couplings are to be placed opposite to upper hand hole on post. Couplings shall be fitted with standard flange until conduit is installed.

- All conduit shall be Schedule 40 plastic.

- The rodent guard shall not extend above cone top.

- The rodent guard shall be placed around the base plate.

- Drill and tap rim for ground wire (lower hand hole only).

- Hex nut welded to rim for ground wire (upper hand hole only).

- Drill and tap rim for stainless steel guard.

- Drill 2" hole in cover plate.

- The rodent guard is stainless steel standard grade wire cloth.

- The rodent guard shall be placed around the base plate.

- The rodent guard shall not extend above the top of the base plate.

- The rodent guard shall be located in the base plate if needed.

- No hole shall be drilled through the backing ring of the post. No hole in the base plate shall be closer than 1" to fillet weld.

- The rodent guard shall be stainless steel standard grade wire cloth.

- The rodent guard shall be continuously welded to the base plate.

- The backing ring shall be one piece or made continuously by a complete-joint-penetration groove weld, seal with light gray non-sag urethane caulk.

- After galvanizing, the 1/8" galvanizing hole shall be located in the base plate if needed.

- No hole shall be drilled through the backing ring of the post. No hole in the base plate shall be closer than 1" to fillet weld.

- The rodent guard shall be cut from 2" plate.

- Galvanized steel cover plate with 2" x 2" x 0.625 neoprene gasket to match plate.

- See standard sheet SOST-07-11 for details B, C, D and E.

- See standard sheet SOST-08-11 for details F and G.

STANDARD DESIGN

STEEL OVERHEAD SIGN TRUSS

SEPTEMBER, 2011

Support post base and DMS electrical access details SOST-07-11

100-130' SPANS

IOWA DOT

APPROVED BY BRIDGE ENGINEER

SEPTEMBER, 2011

DMS ELECTRICAL ACCESS DETAILS

SOST-07-11