SIGN STRUCTURE SPECIFICATIONS AND QUALIFICATION PROCESS

SIGN STRUCTURE

- Must be crashworthy under MASH 2016, TL-3.
- Must meet or exceed MnDOT wind loading charts for number of posts, which can be found on the Signing Traffic Engineering Signing plans and special provisions website.
- Must be galvanized in accordance with Section 3394 of MnDOT's Standard Specifications for Construction.
- Structures with concrete foundations are not allowed.
- Soil mounting also includes installations into asphalt.

FOR CONCRETE MOUNTED

- Minimum of 3 points of contact for the base into concrete.
- Minimum concrete embedment of 3-3/8" for a heavy duty large diameter self-tapping carbon steel screw anchor.
- Top receiver and base must be designed to be reusable.
- Must provide shear bolts for any fasteners requiring a set torque.
- Not for use in or on concrete walls.

FOR SOIL MOUNTED

- Minimum of 2 (4 preferred) permanently welded soil stabilizers to the receiver base post(s) that has a minimum embedment depth of 48".
- All base posts (including any nested) must have a minimum embedment of 48" and maximum out of ground stub height of 4".
- All nested posts must be the same gauge to assure fit.
- Top receiver and base must be designed to be reusable, may allow other designs if modifications allow the elements to be reusable.
- Must provide shear bolts for any fasteners requiring a set torque.

QUALIFICATION PROCESS

- Complete and return the application form along with supporting documents.
- MnDOT will request samples of products, and may require field evaluations.
- Vendors/manufacturers will be notified, in writing, of the approval/rejection of their product.