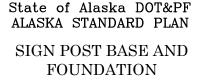
SHEET 1 of 1

## GENERAL NOTES

- 1. Furnish sign posts with NCHRP 350 compliant frangible couplings designed to break away safely when struck from any direction. There is no MASH compliant device at this time. See SPDR report for more info.
- 2. Furnish frangible coupling systems with bolt—on flanges.
- 3. Details on this sheet illustrate only the general components of a frangible coupling system, and are not intended to specify a particular product.
- 4. Install frangible fuse plates as specified by the manufacturer and hinged joints when multiple posts are used to support a sign. Do not use round pipes.
- 5. Install the components of the breakaway system, including hinges, in accordance with the written instructions of the system manufacturer.
- 6. Use Class A, B or W concrete conforming to Sections 501 or 550 of the Standard Specifications. Furnish ASTM A615 grade 60 steel bars for concrete reinforcement conforming to AASHTO M31.
- 7. Spiral reinforcing steel may be substituted for hoops in concrete foundation. Spiral option shall consist of #3 plain spiral with 6" pitch with three flat turns at the top and one flat turn at the bottom.
- 8. Install the concrete anchors using a rigid template. Locate the anchors on centers and within tolerances specified by the manufacturer.
- 9. Install the anchors in fresh concrete as recommended by the manufacturer. Adjust the template's final position until it is level. Remove and replace all foundations that need more than 2 shims under any 1 coupling or more than a total of 3 shims under any pair of couplings to plumb the post.
- 10. Drill the holes for attaching brackets before the sign posts are hot dip galvanized. Test fit templates in the holes to ensure the brackets can be installed square to the posts.
- 11. Special grading detail and/or shielding may be required to maintain 4" maximum clear distance.



Adopted as an Alaska Carolyn Morehouse
Standard Plan by:

Carolyn Morehouse, P.E. Chief Engineer

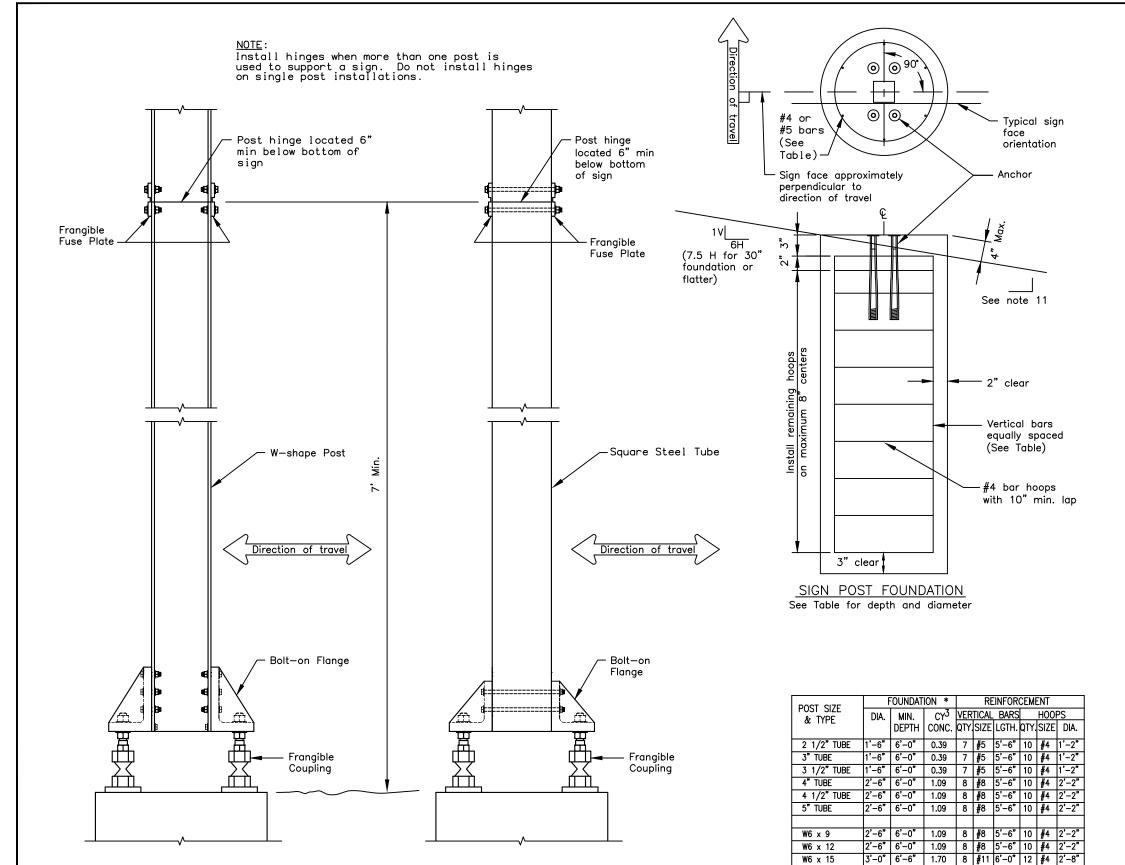
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Adoption Date: 7/17/2020

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Next Code and Standards Review Date: 7/8/2030



FRANGIBLE COUPLING SYSTEM

FOR SQUARE STEEL TUBES

FRANGIBLE COUPLING SYSTEM

FOR W-SHAPE POST

## FOUNDATION TABLE

W6 x 30

3'-0" 7'-6" 1.96 8 #11 7'-0" 13 #4 2'-8"

\* Foundations sized for use where there are no loose, high moisture, or fine grained soils.