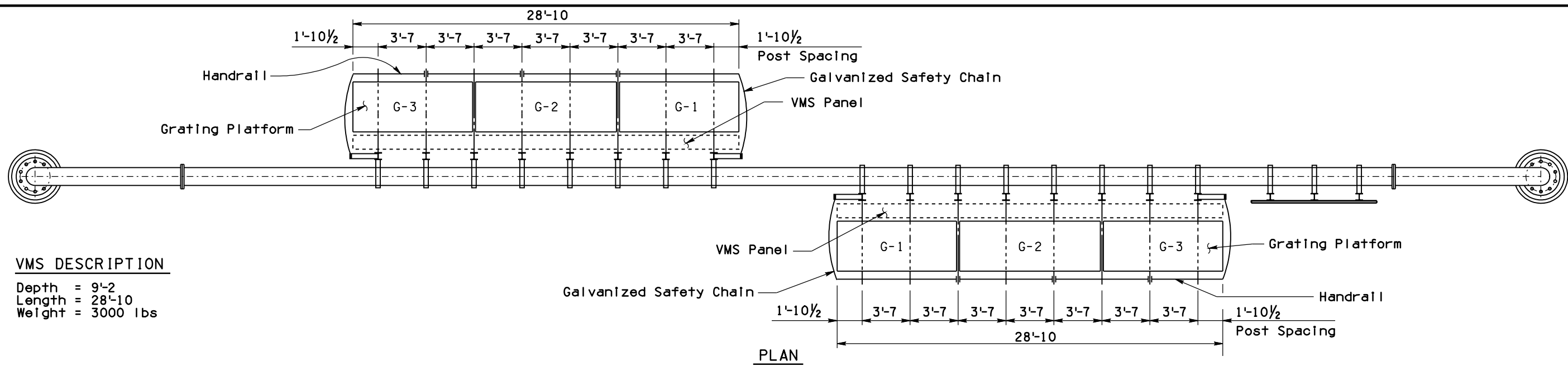
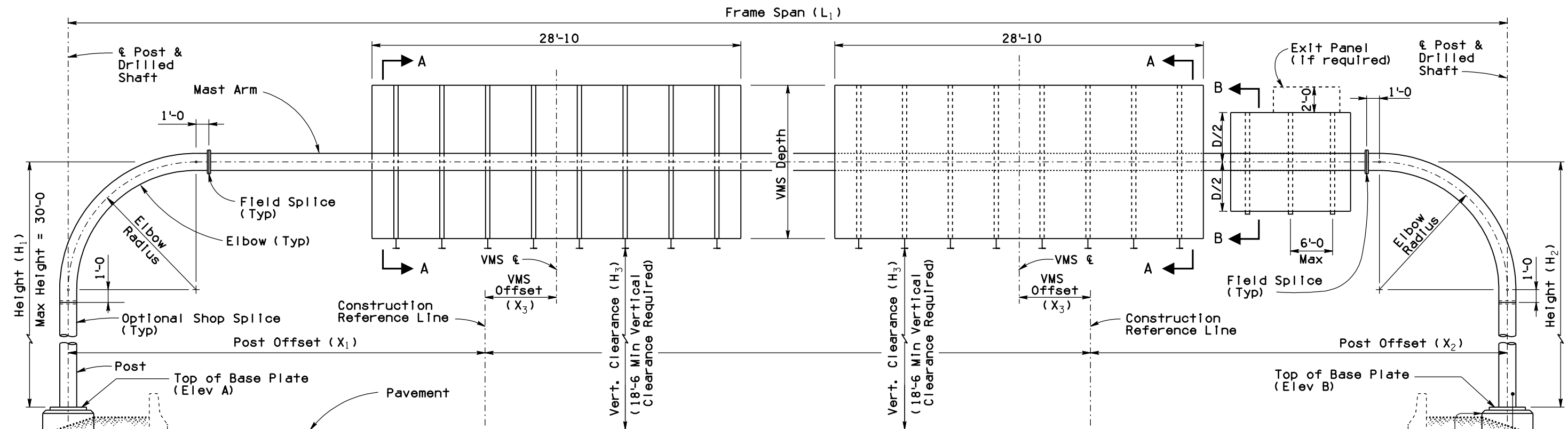


Note to Designer: The information presented in this Standard Drawing has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.



VMS DESCRIPTION
 Depth = 9'-2"
 Length = 28'-10"
 Weight = 3000 lbs

PLAN



TUBULAR FRAME SIGN STRUCTURE ELEVATION (FRAME TYPE 4F)

Scale: 1/4" = 1'-0"

NOTES:

- See SD 9.50 (2 of 5) for SECTION A-A
- See SD 9.50 (3 of 5) for SECTION B-B
- For General Notes see SD 9.20 (1 of 5)
- For Camber Diagram see SD 9.20 (3 of 5)
- For Foundation Details see SD 9.20 (2 of 5)
- Provide 10 inch diameter hole in center of column base plate to accommodate conduits
- For Frame and Hand hole Details see SD 9.20 (3 of 5)
- For Sign Support Details see SD 9.20 (4 of 5)
- For Overhead Light Details see SD 9.20 (5 of 5)

GENERAL NOTES:

1. Tubular frame structure TYPE 4F (SD 9.20) shall be used for support of Dual VMS panels on a single tubular frame
2. See SD 9.50 (1 of 5) for overhead sign notes
3. VMS frame summary table should be included in the project drawings (VMS Location/Elevation Sheet) with location dimensions (H₁, H₂, X₂, X₃)
4. Maximum traffic sign panel area should not exceed 260 square feet, with two VMS panels mounted on tubular frame

Drilled shaft locations and top of drilled shaft elevations shall be field verified by the Contractor prior to fabrication of posts.

Provide Electrical Grounding (Typ)

PRIOR DISTRIBUTION DATE 08/02

STANDARDS ENGINEER
A. ALZUBI
 RECOMMENDED FOR APPROVAL
 GROUP MANAGER
D. EBERHART
 APPROVED
 STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION 04/19 DATE

ARIZONA DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
 BRIDGE GROUP STANDARD DRAWING

**DUAL VARIABLE MESSAGE SIGN
 TUBULAR FRAME**

DRAWING NO.
SD 9.51