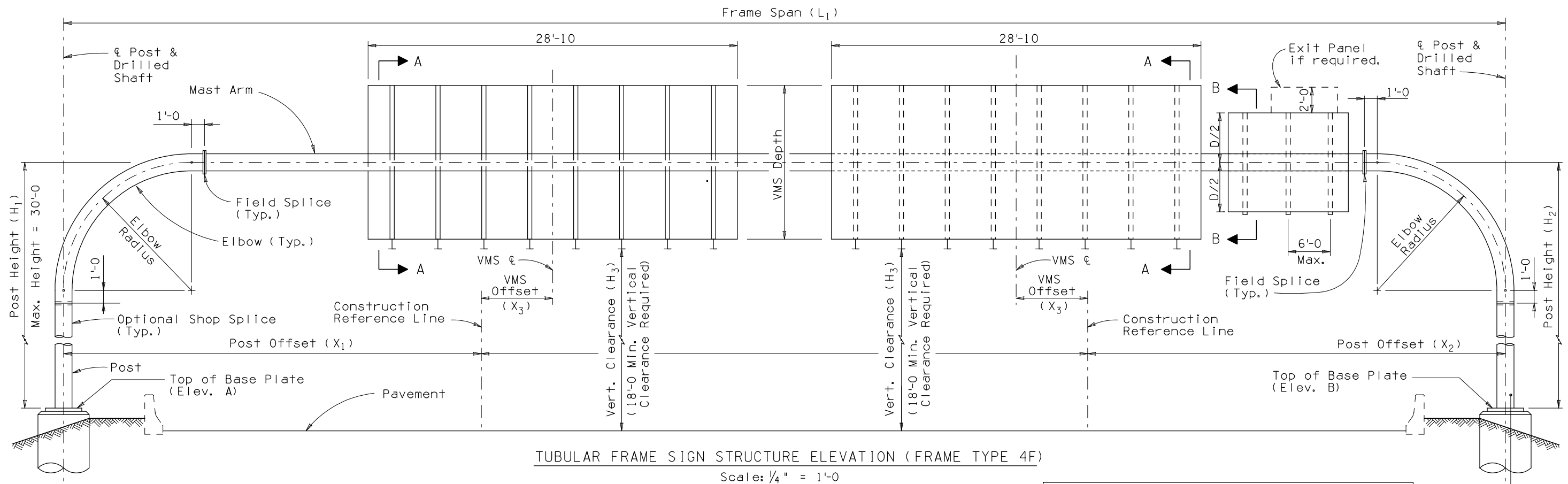
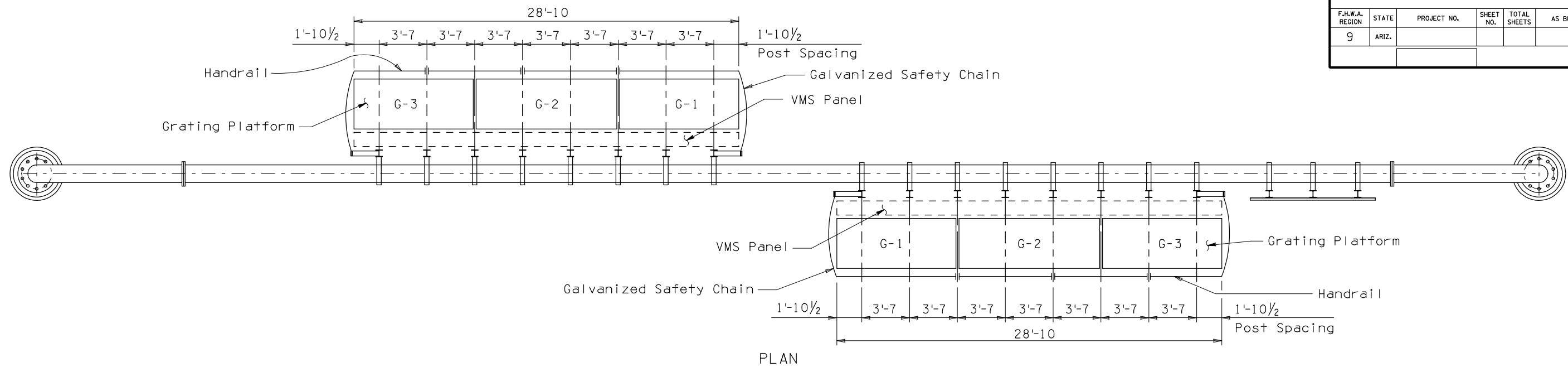


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



TUBULAR FRAME SIGN STRUCTURE ELEVATION (FRAME TYPE 4F)

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

NOTE:

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 SD9.50(1of5) Sheet 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.

NOTE:

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 8 1/2 inch diameter hole in center of column base plate to accommodate conduits)
 For Frame and Handhole 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).

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

Provide Electrical Grounding

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

Note to Designer:
 The information presented in this Standard Detail 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.

NO.	DATE	DESCRIPTION OF REVISIONS
1	7-99	Original Issue
2	7-00	Remove harness, drip pan, widen grating, enlarge base PL. hole
3	8-02	Reference to SD 9.20 and SD 9.50
4		

DESIGN APPROVED <i>Shafiq U. Hasan</i>	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION BRIDGE GROUP STRUCTURE DETAIL
APPROVED FOR DISTRIBUTION <i>J. Daniel Davis</i>	DUAL VARIABLE MESSAGE SIGN TUBULAR FRAME
ROUTE LOCATION	DRAWING NO. SD 9.51
TRACS NO.	OF