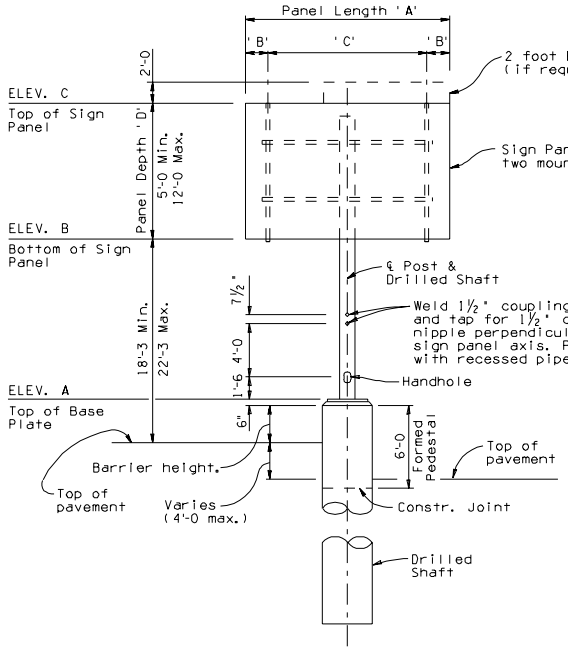
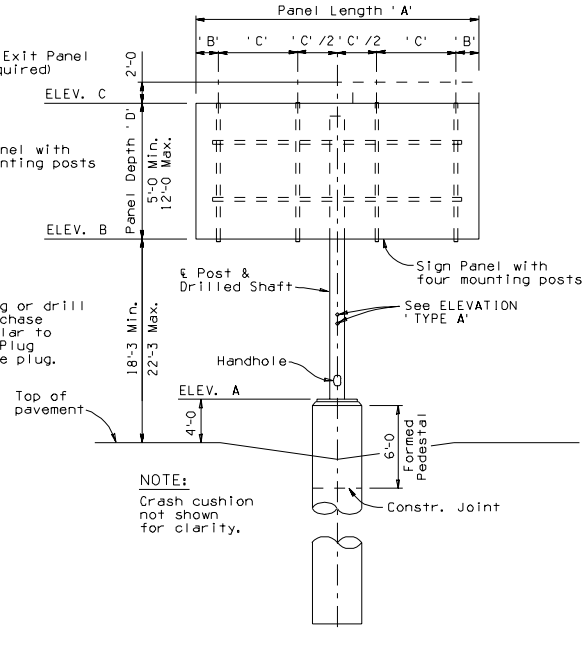
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



ELEVATION 'TYPE A'

Shown with median barrier



NOTE:

Crash cushion not shown for clarity.

ELEVATION 'TYPE B'

Shown without median barrier

		Dimensions 'A'	Dimensions 'B'	Dimensions 'C'	Nominal Pipe Dia. inches	Pipe Wall thickness inches
Type A	2 Mounting Posts	8'-0	1'-6	5'-0	14	0.938
		9'-0	1'-9	5'-6	14	0.938
		10'-0	2'-0	6'-0	14	0.938
		11'-0	2'-0	7'-0	14	0.938
		12'-0	2'-3	7'-6	14	0.938
		13'-0	2'-6	8'-0	14	0.938
Type B	4 Mounting Posts	14'-0	1'-0	4'-0	16	1.031
		15'-0	1'-0	4'-4	16	1.031
		16'-0	1'-0	4'-8	16	1.031
		17'-0	1'-0	5'-0	16	1.031
		18'-0	1'-0	5'-4	16	1.031
		19'-0	1'-0	5'-8	16	1.031
		20'-0	1'-6	5'-8	16	1.031
		21'-0	1'-6	6'-0	20	0.750
		22'-0	1'-6	6'-4	20	0.750
		23'-0	1'-6	6'-8	20	0.750
		24'-0	1'-6	7'-0	20	0.750
		25'-0	2'-0	7'-0	20	0.750

WELDING NOTES:

Welding of structural tubing shall conform to the requirements of the American Welding Society, Structural Welding Code, D1.1-88, as modified by the AASHTO Standard Specifications for Welding of Structural Steel Highway Bridges, 1996. All other welding shall conform to the requirements of the American Welding Society, ANSI/AASHTO/AWS D1.5-96 Bridge Welding Code. All welding shall be continuous unless noted otherwise. All butt welds shall be full penetration using prequalified welding procedures and shall be tested by ultrasonic testing.
All butt welds shall be ground flush, full width. Grinding striations shall be parallel to length of member.

The Column to base plate weld shall be tested by ultrasonic testing.

GENERAL NOTES:

Construction Specification - Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, Latest Edition.

Design Specifications -
AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Edition of 1994.

All concrete shall be Class "S".

Reinforcing steel shall conform to ASTM Specification A615 (Grade 60).

Structural Steel shall conform to ASTM Specification A36 unless noted otherwise.

Stresses:
Class "S" concrete ..... f'c = 3500 psi
Grade 60 reinforcing steel ..... fs = 24000 psi
Structural steel ..... fs = 20000 psi

All bolts shall conform to ASTM Specification A325.
All bolts, nuts and washers shall be galvanized in accordance with the requirements of ASTM A153.
All other steel shall be galvanized after fabrication in accordance with ASTM A123.

Wind Loading: 80 MPH Velocity.

All Tubular Structural Frame Pipes shall be welded or seamless steel pipes and shall conform to ASTM Specifications:

A53,	Grade B,	Type E or S
A252,	Grade 2,	Type E or S
A106,	Grade B,	Type S only
API5L,	Grade B,	Type E or S
API5LX,	Grade X42	Type E or S

Project Plans shall provide an elevation view of each sign structure with location (station and offset), ELEV. A, ELEV. B, ELEV. C, and Sign panel dimensions ('A', and 'D').

See Project Plans for length and location of exit panels, if required.

Dimensions shall not be scaled from drawings.

PAY ITEM NOTES:

Pay Item for sign structure foundation includes the drilled shaft and the formed pedestal on drilled shaft and the anchor bolt assembly.

Item No. 6060162
SIGN STRUCTURE (MEDIAN) (ONE SIDED)
Measure: Each

Item No. 6060239
FOUNDATION FOR SIGN STRUCTURE (MEDIAN)
Measure: Each

Note to Designers
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.	DESCRIPTION OF REVISIONS	NAME BY	DATE
1	Original Issue	SUN	4-00
2	Pay Item No. & Bid Item No. change	SUN	11-04
3			
4			

DESIGN APPROVED: Shafi U. Hasan	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION **BRIDGE GROUP STRUCTURE DETAIL**
APPROVED FOR DISTRIBUTION: Jean A. Nehme	MEDIAN SIGN STRUCTURE (ONE SIDED) ELEVATION & NOTES
ROUTE / LOCATION	DRAWING NO. SD 9.02(1 of 5)
TRACS NO.	___ OF ___