

POST SPACING - TWO POST SIGNS (CENTER TO CENTER)													
Panel Width	4'-0	5'-0	6'-0	7'-0	8'-0	9'-0	10'-0	11'-0	12'-0	13'-0	14'-0	15'-0	16'-0
Post Spacing	2'-6	3'-0	3'-8	4'-2	4'-10	5'-4	6'-0	6'-8	7'-4	8'-0	8'-8	9'-4	10'-0

POST SPACING - THREE POST SIGNS (CENTER TO CENTER)									
Panel Width	8'-0	9'-0	10'-0	11'-0	12'-0	13'-0	14'-0	15'	16'-0
Post Spacing	2'-10	3'-2	3'- 6	3'-10	4'-2	4'-6	4'-10	5'-2	5'-6

POST INFORMATION		
Post Size (nominal)	Embedment Depth	Notch Depth & Hole Diameter
4 x 4	3'-0	(None)
4 x 6	4'-0	1 3/4"
6 x 8	4'-0	2 1/2"

POST SPACING - FOUR POST SIGNS (CENTER TO CENTER)					
Panel Width	12'-0	13'-0	14'-0	15'-0	16'-0
Post Spacing	4'-2	5'-4	6'-0	6'-8	7'-4

WOOD POST SELECTION CHART																
Sign Height H (FT)	Sign Width (W) (FT)															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	1-4x6															*
7			1-4x8											3-6x8		4-6x8
6								2-6x8								
5																
4																
3			1-4x6				2-4x6									
2	1-4x4															
1						2-4x4										

* Use 4-6x8 posts, but only if post length below the sign is limited to 10 feet or less.

NOTES:

1. Post size recommendations are derived from calculations based on AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, using a base wind speed of 90 mph for a temporary condition (11.0 psf wind load on sign panel).
2. Post sizes are based on 12 ft offset from edge of pavement on a 6:1 fill slope. If placed farther from edge of pavement or on a steeper slope, engineering judgment may be used in the selection and design of sign posts and supports.
3. See the Special Wind Region map in Standard Drawing S-1 for areas of the state that may experience different wind speeds. In these areas, engineering judgment may be used in the selection and design of sign posts and supports.
4. W = width of sign panel or widest panel in sign assembly. H = height of sign panel or total sign assembly. For diamond warning signs, W = H = diagonal length along one side of sign.

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.

06/14

PRIOR DISTRIBUTION DATE

STANDARDS ENGINEER A. ALZUBI	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC SIGNING & MARKING STANDARD DRAWING
RECOMMENDED FOR APPROVAL GROUP MANAGER M. HANNA	
APPROVED	TEMPORARY WOOD POSTS SELECTION CHART
STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION	
DATE 04/19	DRAWING NO. S-16 (2 of 2)