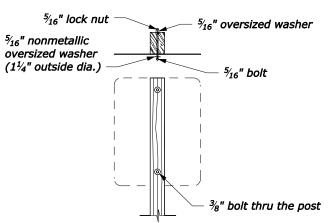


1. Traffic barrier protection is required for all posts larger than 6" x 8" when located within the clear zone or if the post is vulnerable to being struck when placed

STATE

**PROJECT** 

- 2. H<sub>1</sub> thru H<sub>4</sub> indicate overall post length. Select post
- 3. D is the minimum post embedment depth for average soil conditions. See Wood Post Selection Table below.
- 4. Z is the height from ground line to mid-height of sign at the longest post.
- 5. For the purpose of post selection X and Y are as follows: - Single sign, or back to back signs: X and Y are the overall dimensions of the signs.
  - Multiple sign installations: X and Y are the dimensions of a rectangle enclosing all the signs.



## TYPICAL MOUNTING FOR SIGNS WITHOUT ANGLES

WOOD POST SELECTION TABLE										
POST	NU	JMBER (		Notch						
SIZE	1	2	3	4	D	depth and hole				
(inch)	Produ	uct of X		diameter						
4 x 4	80	155	235	310	3'-0"	-				
4 x 6	180	385	545	<i>725</i>	4'-0"	13/4"				
6 x 6	235	475	710	950	4'-0"	13/4"				
6 x 8	300	850	1280	1700	4'-0"	2½"				
6 x 10	385	1180	1170	2360	5'-0"	-				
8 x 10	<i>575</i>	1610	2410	3215	5'-0"	-				
8 x 12	775	2310	3465	4620	6'-0"	-				

exceeds the limit for the largest post, use steel post installation.

U.S. CUSTOMARY DETAIL

PERMANENT SIGN **INSTALLATION WOOD POSTS** 

REVISED: 2/1998 DRAFT: 10/2009

Values shown are the maximum permitted. If the product of XYZ

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
WESTERN FEDERAL LANDS HIGHWAY DIVISION

DETAIL APPROVED FOR USE --/---DETAIL W633-7

Edge of traveled Elevation at edge of traveled way Backfill material 3" minimum



3" minimum

Backfill material

Elevation at edge

of traveled way

X=5 ft

maximum

Ï

Location

Rural Districts

Residence Districts

Business or

TWO POST SIGNS

MINIMUM DISTANCE TO SIGN

V may be reduced by 1 foot in rural districts for

a secondary sign mounted below another sign.

Lateral

Offset (W)

6 ft

2 ft

from curb

all around (typ.)

Mounting

Height (V)

5 ft

7 ft

### **POST DETAIL**

Long side of post

£ post

Bottom of sign

Field drill holes through

See table for hole size

post, parallel to sign face.

Finish ground line

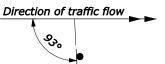
Saw cut notch full width

of post. Omit notch for

single post installations

Notch depth (where required)

(See Post Selection table)



of shoulder

Edge of traveled

For all retroflectorized signs where W > 25'

# SIGN INSTALLATION ANGLE



<b>—</b>		W	<b>►</b>					
	0.125X			X=14 ft (min.) to 22 ft (max.)				1
				.25X	0.25.   <b>√</b>	X_0.25	5X 	0.125X
	<i>7</i> <b>≻</b>			0.57				
	houlder							
	Edge of shoulder	Same post size —	H	Z	H <sub>2</sub>	H3		H
	Y/X\V,	Elevation at edge of traveled way  Backfill material	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<b>V</b>	=	# #/A		
		Backfill material3" minimum all around (typ.)			= <b>3</b> //√//////////////////////////////////			(typ.

W X=10 ft (min.) to 18 ft (max.) 0.35X 0.35X 0.15X 0.15X of shoulder Same post size Elevation at edge Ï of traveled way Backfill material 3" minimum all around (typ.)

THREE POST SIGNS

**FOUR POST SIGNS** 

NO SCALE