GENERAL NOTES:

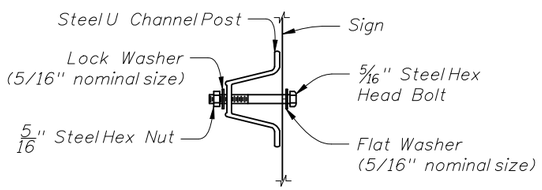
1. All signs shall be post mounted when work operations exceed one day except as noted in the standards.

TEMPORARY SIGN SUPPORT NOTE:

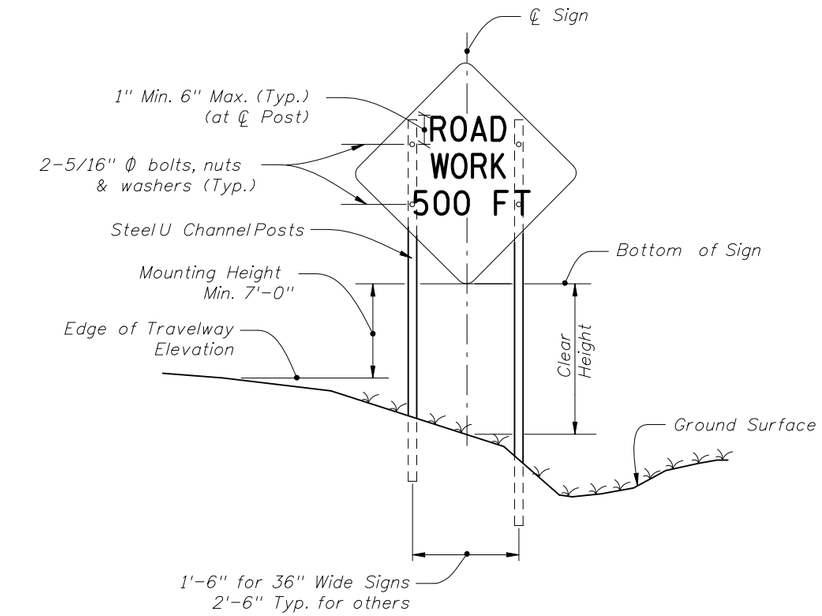
1. Signs mounted on temporary supports or barricades, and barricade/sign combination shall be crashworthy in accordance with NCHRP 350 requirements and included on the Qualified Products List (QPL).

POST MOUNTED SIGN NOTES:

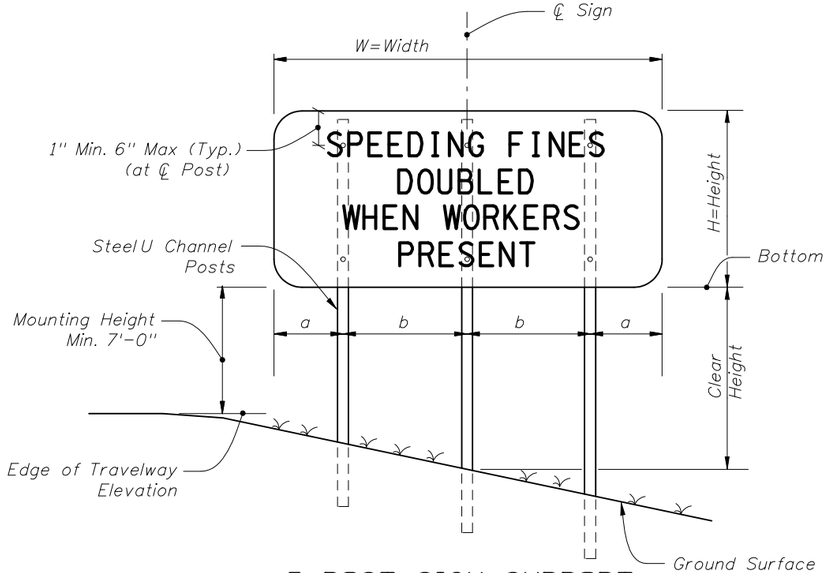
1. Use only approved systems listed on the Department's Qualified Products List (Manufacturers seeking QPL approval see Index 11860).
2. Provide 3 lb/ft Steel U Channel Posts with a minimum section modulus of 0.43 in^2 for 60 ksi steel, or a minimum section modulus of 0.37 in^2 for 70 ksi steel.
3. Provide 4 lb/ft Steel U Channel Posts with a minimum section modulus of 0.56 in^2 for 60 ksi steel, or a minimum section modulus of 0.47 in^2 for 70 ksi steel.
4. Steel U Channel Posts shall meet the material requirements of Specification 700 with the exception that galvanization is not required.
5. Sign attachment bolts, washers, nuts and spacers shall conform with ASTM A307 or A 36.
6. For diamond warning signs with supplement plaque (up to 3 ft^2 in area), use 4 lb/ft posts for up to 10 ft Clear Height (measure to the bottom of diamond warning sign).
7. Install 4 lb/ft Steel U Channel Posts with approved breakaway splice in accordance with the manufacturer's detail shown on the QPL.
8. The contractor may install 3 lb/ft Steel U Channel Posts with approved breakaway splice in accordance with the manufacturer's detail shown on the QPL.
9. Install all posts plumb.
10. The contractor shall set the posts in preformed holes to the specified depth with suitable backfill tamped securely on all sides, or filled with flowable fill or bagged concrete. The cost of the flowable fill or bagged concrete shall be included in the cost of sign. At the contractor's option, 3 lb/ft sign post and any base post may be driven (See Typical Foundation Detail).



SIGN ATTACHMENT DETAIL

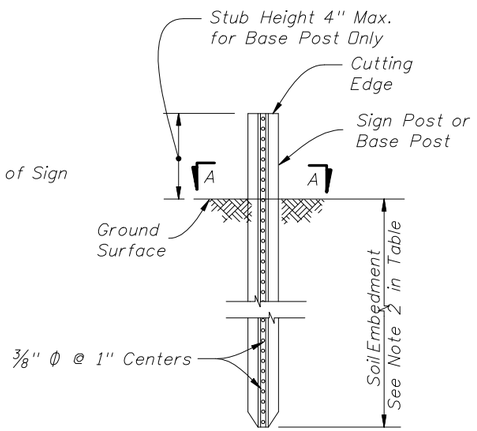


2 POST SIGN SUPPORT MOUNTING DETAILS



3 POST SIGN SUPPORT MOUNTING DETAILS

Where W = 48": a = 7" and b = 1'-5"
W = 72": a = 10½" and b = 2'-1½"



TYPICAL FOUNDATION DETAIL

See QPL for post, splice and connection details.
No bolts installed closer than 1" to cutting edge.

SECTION A-A
(SCHEMATIC)

POST AND FOUNDATION TABLE FOR WORK ZONE SIGNS		
SIGN SHAPE	SIGN SIZE (inches)	NUMBER OF STEEL U CHANNEL POSTS
Octagon	30X30	1
Triangle	36X36X36	1
	48X48X48	1
	60X60X60	2
Rectangle (W X H)	24X18	1
	24X30	1
	30X24	1
	36X18	1
	48X18	1
	36X48	2
	48X30	2
	48X36	2
	54X36	2
	48X60	3
	72X48	3
Square	30X30	1
	36X36	2
	48X48	2
Diamond (See Note 6)	48X48	2
Circle	36ϕ	2

Notes For Table:

1. Use 3 lb/ft posts for Clear Height up to 10' and 4 lb/ft posts for Clear Height up to 12'.
2. Minimum foundation depth is 4.5 feet for 3 lb/ft posts and 5 feet for 4 lb/ft posts.

WORK ZONE SIGN SUPPORTS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/01/07	CA	New Sheet			

2006 Interim Design Standard

GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES

Interim Date: 07/01/07
Sheet No.: 12 of 12
Index No.: 600