


GUIDE TO USE THIS STANDARD:

1. Calculate the Total Panel Area and the centroid 'C' for an individual sign or a sign cluster.
2. Determine the height 'H' from the groundline for the individual sign or the cluster.
3. Consult the Post Size Table and find the intersection point.
4. Design the post and the foundation according to the required Post Size and Assembly Details.

Post Size Table

H' Sign Assembly Height (ft) (measure from ground)	Sign Post with 3" x 7 ga. Square Anchor				Sign Post with Triangular Slip Base Assembly
	8	8.5	9	9.5	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20+					

***REGARDLESS OF POST SIZE TABLE, IF A SIGN PANEL IS EQUAL TO OR GREATER THAN 4 FEET IN WIDTH, A TWO POST INSTALLATION IS REQUIRED WITH A TRIANGULAR SLIP BASE.**

REVISIONS			PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING DIVISION	
DATE	DESCRIPTION		DESIGN BY: YVES DANJOU, P.E.	SCALE: NTS
03-21-2017	UPDATED POST SIZE		DRAWN BY: STEPHEN RAMOUTAR	
11-24-2020	ADDED POST SIZE NOTE		CHECKED BY: ANDREW SEBO, P.E., PTOE	
02-05-2021	UPDATED POST BASE HEIGHT			

Square Tube Sign Post

The square tube sign post shall be 2 1/2" square perforated, hot-dipped galvanized, 12-gauge grade 60 steel. The post shall be installed with in-ground fitted sleeve anchor as shown in detail.

Hardware Includes: 2 each 3/8" x 3-1/2" GR 8 Flanged Shoulder Bolt and Flange Nut.

Dimensions and Details:

- Post Height: 42"
- Post Diameter: 2-1/2" x 10' x 12 ga. PSST
- Flange Width: 3" x 3" x 42"
- Flange Thickness: 7 ga. heavy duty galvanized anchor
- Ground Level Indication: 4" from base of post
- Burial Depth: 38"
- Hole Spacing: 0.75"
- Hole Size: Ø17/32" Holes
- Side View Label: 2 ea. x 4 Sides
- Top View Label: 2-1/2" x 10' x 12 ga. PSST

Triangular Slip Base Assembly For 2-1/2" Perforated Square Tube Sign Post

Slip Washer

Post Receiver

Redi-Torque Bolt

Facing Incoming Traffic

Washer

Flange Nut

SQUARE TUBE SIGN POST
 THE SQUARE TUBE SIGN POST SHALL CONSIST OF A 2-1/2" SQUARE TUBE INSERTED INTO A 2-1/2" SQUARE TUBE RECEIVER. BOTH TUBES WILL BE PERFORATED, HOT-DIPPED GALVANIZED, SQUARE, GRADE 60 STEEL. THE POST SHALL BE INSTALLED INTO THE SLIP BASE ASSEMBLY SHOWN IN DETAIL.

4"

Ground Level

2-1/2" Square Post Receiver

Note: Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th edition and Interims.

GROUND SIGN ASSEMBLY DETAILS

SHEET
NO.

1 OF 1

[illegible]

PAVEMENT MARKINGS AND SIGNS DETAILS

SHEET
NO.

1 OF 1