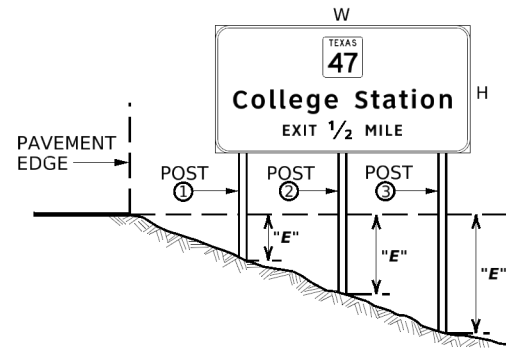


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SUMMARY OF LARGE SIGNS - GROUND MOUNT (TY G)

PLAN SHEET NO.	STATION OR LOCATION (ie. LAT, LONG COUNTY Lat. Clearance)	SIGN NO.	SIGN BACK-GROUND COLOR	SIGN IMAGE OR TEXT	SIGN DIMENSIONS (WxH) (FT)	PLAQUES, & OTHER ATTACHMENTS (SQ FT)		BACKGROUND SUBSTRATE (SQ FT)		TYPE OF MOUNT	"E" DIMENSION *			GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT		RIPRAP APRON (CY)		
						DIRECT APPLY	ALUMINUM (TYPE A)**	INSTALL GROUND MOUNT (TYPE G)	REPLACE GROUND MOUNT (TYPE G)		Post ①	Post ②	Post ③	SIZE	LINEAR FEET			TOTAL WEIGHT LBS.	LINEAR FEET			
															Post ①	Post ②	Post ③		NON-REINF 12"Ø		REINF 24"Ø	
PAGE TOTALS																						

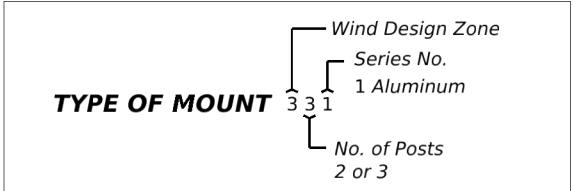


- NOTES:**
- * The "E" dimension is the elevation difference at the post between the ground and the edge of pavement or top of curb.
 - Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.
 - The post lengths listed here are approximations, the corrected post lengths will be furnished by the Contractor, after the stud posts are placed. Tower heights shall be verified with the Engineer before fabrication.

- ATTACHMENT NOTE:**
- ** This column is for aluminum Type A and not direct apply. Direct apply is subsidiary to the sign. See TSR(2) and TSR(5).

- LARGE ROADSIDE SIGN DESIGN PROCESS**
- Determine sign design, sign dimensions, sign location, and sign mounting height above ground, using slope or elevation measurements.
 - Determine each post length, including the "E" dimensions of each post.
 - Determine the wind zone using the Wind Velocity Worksheet.
 - Determine post size using SMD(LRSS). Use LRSS(1) for Zone 1 (90 mph), LRSS(2) for Zone 2 (80 mph), and LRSS(3) for Zone 3 (70 mph).
 - Determine initial leg post weights using the 'Post Weight Data' table value shown on LRSS(1), LRSS(2), or LRSS(3). Then add any extra post length weight to determine total weight beyond 10' post length.

 Example: For a sign with two posts, size W8x21, with each post 15' long, the total steel weight would be:
 $509.4 + (15-10)*21*2 = 719.4$ lbs
 Note: the '21' in W8x21 refers to the weight of beam in pounds/foot.
 - Determine foundation diameter, base connection data, perforated fuse plate data, and bolt keeper data on SMD(2-2). (Only foundation diameter is needed for this sheet).
 - Determine foundation depth using the TxDOT Cone Penetration Test data on SMD(LRSS-4). Alternatively, Cohfric Design may be used.



	Texas Department of Transportation <small>Traffic Safety Division Standard</small>
<h1 style="margin: 0;">SUMMARY OF LARGE SIGNS GROUND MOUNT</h1> <h2 style="margin: 0;">SOLS(TY G)</h2>	
FILE: SOLS(TY G)-24.dgn DN: TxDOT CK: TxDOT DW: TxDOT CR: TxDOT © TxDOT May 2024 CONT SECT JOB HIGHWAY	
REVISIONS 5-87 5-01 5-24 11-93 1-04 8-95 9-08	
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