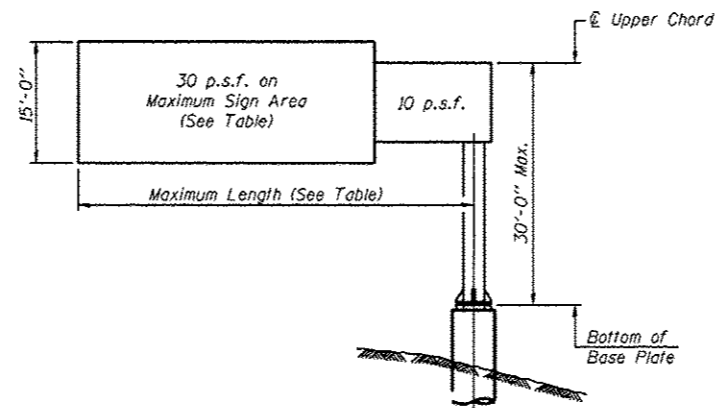


**TYPICAL PLAN**  
(Walkway not shown)

**TYPICAL ELEVATION**  
Looking in Direction of Traffic

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.



**DESIGN WIND LOADING DIAGRAM**

Parameters shown are basis for I.D.O.T. Standards  
Installations not within dimensional limits shown  
require special analysis for all components.

**GENERAL NOTES**

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:  
Field Units  
 $f_c = 3,500$  p.s.i.  
 $f_y = 60,000$  p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Total Sign Area
3C046S017R014.1	130+84 RT	TY IV POST	35'	180 SQ. FT.
3C046S017L014.3	135+90 LT	TY IV POST	35'	150 SQ. FT.

**THIS SHEET FOR INFORMATION ONLY  
LOCATION 5 & 6**

FILE NAME: c:\pvc\work\p101\d01\woodshankr\1\08382012	USER NAME: woodshankr	DESIGNED - YOGESH PATEL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CANTILEVER TRUSS DETAIL</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	0346221-ehtr-details.dgn	DRAWN - YOGESH PATEL	REVISED -			VAR	D3 OVD SIN STR REPL 13-08	KANKAKEE	19	13	
	PLOT SCALE * 99.9999 1/ in.	CHECKED - RON WOODSHANK	REVISED -			CONTRACT NO. 46221					
	PLOT DATE * 5/17/2012	DATE -	REVISED -			ILLINOIS					