



SIGN STRUCTURE SCHEDULE															
TRUSS NO.	DIMENSIONS							ALUMINUM TRUSS				STEEL END SUPPORT			FOUNDATION TYPE
	TRUSS SPAN L	P	N	h	w <sub>1</sub>	w	DL (TRUSS) DEFLECTION	MIDDLE SEGMENT OR END SEGMENT				PIPE COLUMN (NOMINAL DIAMETER)			
								CHORD (O.D.)		DIAGONAL (O.D.)		H OR H <sub>1</sub>	H OR H <sub>1</sub>	H OR H <sub>1</sub>	
T-60	60'-0"	6'-8"	2'-8"	3'-4"	2'-10 5/8"	4'-4 1/2"	1 1/8"	FRONT: 3 1/2" x 1/4"	REAR: 3 3/4" x 1/4"	FRONT: 2" x 3/8"	REAR: 2" x 3/8"	22'-0" TO 24'-0" (MAX.)	25'-0" TO 27'-0" (MAX.)	28'-0" TO 29'-0" (MAX.)	80
T-65	65'-0"	7'-4"	2'-6"	3'-8"	3'-2 1/8"	4'-8"	1 3/8"	FRONT: 3 1/2" x 1/4"	REAR: 3 3/4" x 1/4"	FRONT: 2" x 3/8"	REAR: 2" x 3/8"	8" STD. (28.55#/FT.)	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	80
T-70	70'-0"	8'-0"	2'-4"	4'-0"	3'-5 3/8"	5'-0"	1 1/8"	FRONT: 3 3/4" x 1/4"	REAR: 3 3/4" x 1/4"	FRONT: 2" x 3/8"	REAR: 2" x 3/8"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	80
T-75	75'-0"	8'-6"	2'-10"	4'-3"	3'-8 1/4"	5'-3"	1 3/8"	FRONT: 4 1/4" x 1/4"	REAR: 4 3/4" x 3/8"	FRONT: 2" x 3/8"	REAR: 2" x 3/8"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	80
T-80	80'-0"	9'-0"	3'-4"	4'-6"	3'-10 3/4"	5'-6"	2"	FRONT: 4 3/4" x 3/8"	REAR: 5" x 1/4"	FRONT: 2 1/4" x 3/8"	REAR: 2" x 3/8"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	80
T-85	85'-0"	9'-6"	3'-10"	4'-9"	4'-1 1/8"	5'-9"	2 1/8"	FRONT: 5" x 1/4"	REAR: 5" x 3/8"	FRONT: 2 1/4" x 3/8"	REAR: 2 1/4" x 3/8"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	100
T-90	90'-0"	10'-0"	4'-4"	5'-0"	4'-4"	5'-11 1/2"	2 1/8"	FRONT: 5" x 3/8"	REAR: 5" x 3/8"	FRONT: 2 1/2" x 3/8"	REAR: 2 1/4" x 3/8"	10" STD. (40.48#/FT.)	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	100
T-95	95'-0"	10'-6"	4'-10"	5'-3"	4'-6 3/8"	6'-2"	2 3/8"	FRONT: 5" x 3/8"	REAR: 5" x 3/8"	FRONT: 2 1/2" x 3/8"	REAR: 2 1/2" x 3/8"	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	100
T-100	100'-0"	11'-4"	4'-0"	5'-8"	4'-10 1/8"	6'-7 1/2"	2 1/4"	FRONT: 6" x 1/4"	REAR: 6" x 1/4"	FRONT: 2 3/4" x 3/8"	REAR: 2 1/2" x 3/8"	10" STD. (40.48#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	100
T-105	105'-0"	12'-0"	3'-10"	6'-0"	5'-2 3/8"	6'-11"	2 3/8"	FRONT: 6" x 3/8"	REAR: 6" x 3/8"	FRONT: 3" x 3/8"	REAR: 2 3/4" x 3/8"	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	120
T-110	110'-0"	12'-6"	4'-4"	6'-3"	5'-5"	7'-1 1/2"	2 3/8"	FRONT: 6" x 3/8"	REAR: 6" x 3/8"	FRONT: 3" x 3/8"	REAR: 2 3/4" x 3/8"	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	120
T-115	115'-0"	13'-0"	4'-10"	6'-6"	5'-7 3/8"	7'-4 1/2"	2 3/8"	FRONT: 6 1/2" x 3/8"	REAR: 6" x 3/8"	FRONT: 3 1/4" x 1/4"	REAR: 3" x 3/8"	10" X.S. (54.74#/FT.)	10" X.S. (54.74#/FT.)	10" X.S. (104.13#/FT.)	120
T-120	120'-0"	13'-8"	4'-8"	6'-10"	5'-11"	7'-8"	2 3/8"	FRONT: 6 1/2" x 3/8"	REAR: 6 1/2" x 3/8"	FRONT: 3 1/2" x 3/8"	REAR: 3" x 3/8"	10" X.S. (54.74#/FT.)	10" X.S. (104.13#/FT.)	10" X.S. (104.13#/FT.)	120

**NOTES:**

**DESIGN SPECIFICATIONS:**

- 2009 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 5TH EDITION WITH 2010 INTERIMS.

**LOADING:**

- TRUSSES ARE DESIGNED FOR A NINE FOOT DEEP SIGN PANEL OVER 75% OF SPAN LENGTH, BOTH END SUPPORTS ARE DESIGNED FOR 60% OF THE TOTAL LOAD.
- WIND LOADING SHALL BE A MINIMUM OF 35 PSF ON SIGN PANELS AND 10 PSF ON GROSS AREAS DEFINED BY THE PERIMETER OF TRUSS MEMBERS NOT COVERED BY SIGN PANEL AREAS.
- THE AASHTO GROUP II AND III ALLOWABLE STRESS SHALL BE 133% (ALLOWABLE STRESS DESIGN).

**CONSTRUCTION SPECIFICATIONS:**

- ALL MATERIALS, EXCEPT AS SHOWN, FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 733 OF THE LATEST IDOT STANDARD SPECIFICATIONS.

CONTRACT 60I31 SHEET 940 OF 963  
SHEET 1 OF 2



APPROVED: *Paul Kovacs*  
DATE 2-7-2012

DATE	REVISIONS
2-7-2012	REVISED FOUNDATIONS AND REVISED NOTES.

OVERHEAD SIGN STRUCTURE  
SPAN TYPE, ALUMINUM  
STANDARD F1-01