TRUSS SCHEDULE (ALUMINUM STRUCTURE)

SPAN	L1	L2	L3	L4	D (See code table)	a (See code table)	b (See code table)	c (See code table)	d (See code table)	e ③ (See code table)	CAMBER ④
15 m	7.5 m	——	——	7.5 m	1.7 m	EX	AX	CW	CW	BW	20 mm
16.5 m	6 m	4.5 m	——	6 m	↑	↑	↑	↑	↑	↑	22 mm
18 m	6 m	6 m	——	6 m	↑	↑	↑	↑	↑	↑	25 mm
19.5 m	6 m	7.5 m	——	6 m	↑	↑	↑	↓	↓	↓	28 mm
21 m	7.5 m	6 m	——	7.5 m	↑	↑	↑	CW	CW	BW	35 mm
22.5 m	7.5 m	7.5 m	——	7.5 m	↑	↑	↑	CX	CX	BX	28 mm
24 m	6 m	6 m	6 m	6 m	↑	↑	↑	↑	↑	↑	32 mm
25.5 m	6 m	7.5 m	6 m	6 m	↑	↑	↑	↑	↑	↑	38 mm
27 m	6 m	7.5 m	7.5 m	6 m	↑	↑	↑	↑	↑	↑	42 mm
28.5 m	7.5 m	6 m	7.5 m	7.5 m	↓	↓	↓	↓	↓	↓	45 mm
30 m	7.5 m	7.5 m	7.5 m	7.5 m	1.7 m	EX	AX	CX	CX	BX	50 mm

END SUPPORT SCHEDULE

Span Lengths	H	f (See code table)	g (See code table)	h (See code table)
Up to 21 m span	5.3 m	CW	DX	FY
	5.6 m	↑	↑	↑
	5.9 m	↑	↑	↑
	6.2 m	↑	↑	↑
	6.5 m	↑	↑	↑
	6.8 m	↑	↑	↓
	7.1 m	↑	↑	FY
	7.4 m	↑	↑	FZ
> 21 m to 27 m span	5.3 m	↑	↑	FY
	5.6 m	↑	↑	↑
	5.9 m	↑	↑	↑
	6.2 m	↑	↑	↑
	6.5 m	↑	↑	FY
	6.8 m	↑	↑	FZ
	7.1 m	↑	↑	↑
	7.4 m	↑	↑	↑
> 27 m to 30 m span	5.3 m	↑	↑	↑
	5.6 m	↑	↑	↑
	5.9 m	↑	↑	↑
	6.2 m	↑	↑	↑
	6.5 m	↑	↑	↑
	6.8 m	↑	↑	↑
	7.1 m	↑	↑	↑
	7.4 m	CW	DX	FZ

CODE	DIAMETER	CODE	WALL THICKNESS
A	50 mm	W	5 mm
B	70 mm	X	6.5 mm
C	75 mm	Y	8 mm
D	115 mm	Z	10 mm
E	120 mm		
F	250 mm		

NOTES:

1. Sign area = 45 m² max.
2. Max. projection of sign beyond chord is 2.4 m.

③ Use 75 mm dia. x 6.5 mm wall thickness at panels adjacent to columns.

④ Ordinate at center of assembled truss prior to dead load deflection. Allowable camber tolerance for truss is ±25%

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

SIGN STRUCTURE TRUSS SCHEDULES

SEPTEMBER 2001

STANDARD DRAWING NO. **802-SNOH-04**

ANTHONY L. UREMOVICH REGISTERED No. 18095 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Anthony L. Uremovich 9-04-01
DESIGN STANDARDS ENGINEER — DATE

/s/ Firooz Zandi 9-04-01
CHIEF HIGHWAY ENGINEER — DATE