Structure Number	Station	Design Truss Type	Exte	rior Units (2)		Interi	ior Unit			Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	Camber at	Splicing Flange							
			No. Panels per Unit	Unit Pan Lgth.(L <sub>e</sub> ) Lgth.	el No. P) Reg'a	No. Panels I. per Unit	s Unit Lgth.(L <sub>1</sub> )	Panel Lgth.(P)		0.D.	Wall	Midspan	Bolt No./Splice		Weld W	Sizes W1	A	В	
8S082I064L004.9	161+00	IIIA	7	35' 8.5" 4' 1					7"	5 <sub>16</sub> "	34"	5 <sub>16</sub> "	0.8"	6	1"	7 <sub>.6</sub> "	<sup>5</sup> 16 "	11.5"	15"
						/	×												
															<u> </u>				
		:				4													
							·												
			,												S	splicing	Flange-	$\sum_{i=1}^{n} a_{i}$	
See To & Note	ible		l'2''														·	b	
& Note	(1) / W / X											  Upper Chord					$\sim$		$\geq$

Vertical

(Each end of

unit's only) Interior Diagonal





REVISION NUMBER DATE

12-1-08

Horizontal (Lower Chord - all panel points) (Upper Chord - each end of each unit only)

— Horizontal Diagonal

c to c of support frame Camber required See table.

CAMBER DIAGRAM Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.



Lower Chord

Note:

protection of the units.

Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED		
\$FILEL\$		DRAWN	REVISED	STATE OF ILLINOIS	OVERHEAD SIGN STRUCTURES ALUMINU
	PLOT SCALE = \$SCALE\$	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION	FOR TRUSS TYPES I-A, II-A
	PLOT DATE = \$DATE\$	DATE	REVISED		SCALE: SHEET NO OF SHEETS STA.

0S4-A-2









Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and

Vertical Diagonal -

ISOMETRIC VIEW

TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

## TRUSS TYPES II-A & III-A

SPLICING FLANGES ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 \*To fit 0.D. of Chord with maximum gap of  $l_{16}$ ".

OVER	RHEA	D SIGN STRUCT	URES					
AL	JMIN	UM TRUSS DETA	AILS					
FOR TRUSS	S TY	PES I-A, II-A	AND III	- A				
NUM TRUSS DETAILS	F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
AND III-A	64	Dist 8 ITS 2010-3	ST CLAIR	14	6			
			CONTRACT	NO. 7	6064			
A TO STA	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							