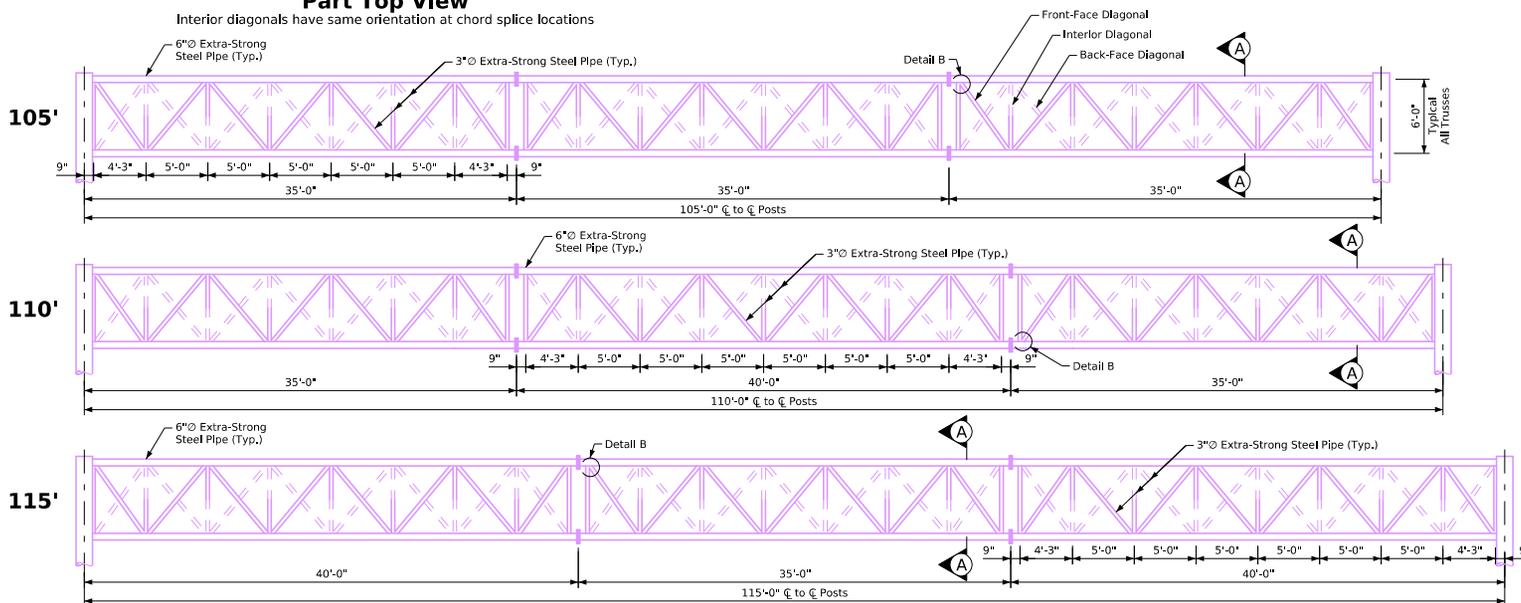


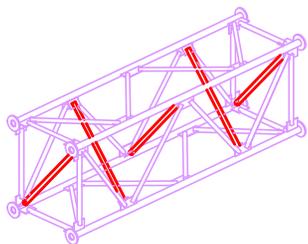
Part Top View

Interior diagonals have same orientation at chord splice locations



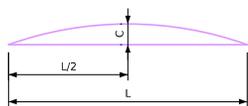
Part Elevation Views

Gusset plates not shown



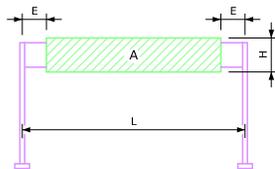
**Isometric View
Typical Truss Unit**

Interior diagonals shown in red for clarity



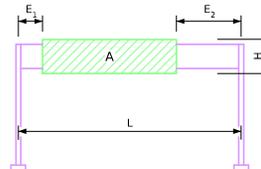
Camber Diagram

Span L	Camber C
105'	2 1/4"
110'	2 1/2"
115'	2 3/4"



**Sign Area for
Steel Overhead
Sign Truss**

Centered



**Sign Area for
Steel Overhead
Sign Truss**

Offset
Sign offset may be mirrored
(E₁ and E₂ values reversed).

Back-face diagonals and bottom-face diagonals are shown with dashed lines. Interior diagonals are shown solid near the front face and top face. Interior diagonals are shown dashed towards the back face and bottom face.

Allowable Sign Area

Centered

Span	Max. Sign Height	Min. End Dst.		Max. Sign Area
L	H	E		A
105'	19'-0"	27'-6"		950 S.F.
110'	19'-0"	30'-0"		950 S.F.
115'	19'-0"	32'-6"		950 S.F.
105'	14'-9"	20'-6"		944 S.F.
110'	14'-9"	23'-0"		944 S.F.
115'	14'-9"	25'-6"		944 S.F.
105'	12'-0"	13'-0"		948 S.F.
110'	12'-0"	15'-6"		948 S.F.
115'	12'-0"	18'-0"		948 S.F.

Offset

Span	Max. Sign Height	Min. Left End Dst.	Min. Right End Dst.	Max. Sign Area
L	H	E ₁	E ₂	A
105'	19'-0"	10'-0"	62'-0"	627 S.F.
105'	19'-0"	15'-0"	54'-0"	684 S.F.
110'	19'-0"	10'-0"	68'-0"	608 S.F.
110'	19'-0"	15'-0"	60'-0"	665 S.F.
115'	19'-0"	10'-0"	73'-0"	608 S.F.
115'	19'-0"	15'-0"	66'-0"	646 S.F.
105'	14'-9"	10'-0"	48'-0"	693 S.F.
105'	14'-9"	15'-0"	37'-0"	782 S.F.
110'	14'-9"	10'-0"	54'-0"	679 S.F.
110'	14'-9"	15'-0"	45'-0"	738 S.F.
115'	14'-9"	10'-0"	61'-0"	649 S.F.
115'	14'-9"	15'-0"	51'-0"	732 S.F.
105'	12'-0"	10'-0"	27'-0"	816 S.F.
110'	12'-0"	10'-0"	36'-0"	768 S.F.
115'	12'-0"	10'-0"	45'-0"	720 S.F.
115'	12'-0"	15'-0"	29'-0"	852 S.F.

See Standard Sheet SOST-08-11 for Section A-A and Details A, B and C.

06-2025 Latest Revision Date	 Standard Design Steel Overhead Sign Truss September, 2011	Elevation Views for Truss Spans 105'-115' Spans	SOST-04-11	
				Approved by Bridge Engineer

• Revised 03-2019; Updated Bridge Engineer signature.
 • Revised 06-2025; This sheet reissued, sheet format update.
 • steeloverheadsigntruss.dgn - SOST-04-11 - This sheet issued 09-2011.