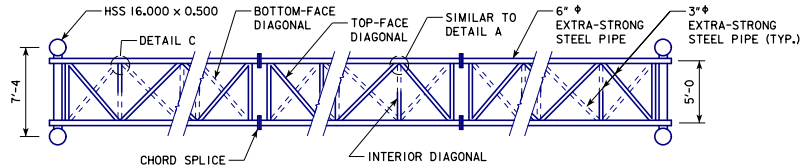


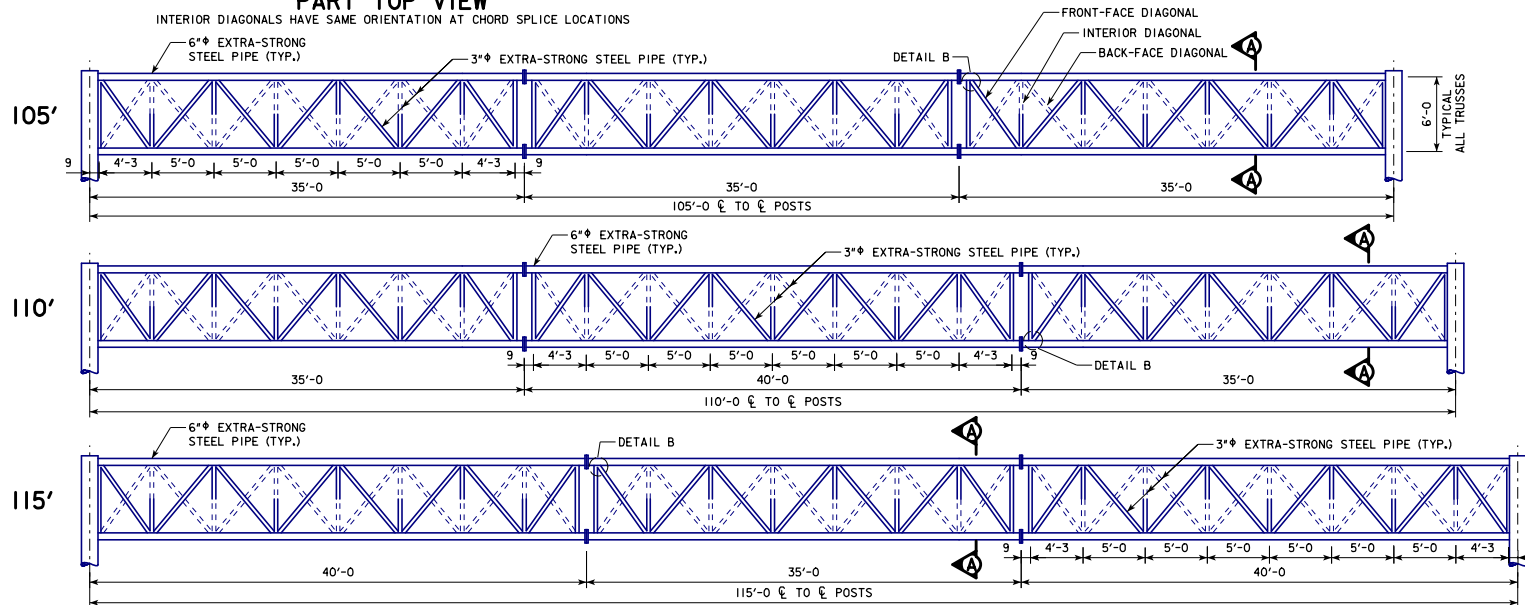
REVISION: 07-17 - MODIFIED NOTES, CHANGED CALLOUT "SIMILAR TO DETAIL A" (WAS "DETAIL D") TO CONFORM TO CHANGE OF DETAIL D ON SOST-08-11. REFERENCE TO DETAIL D WAS REMOVED FROM "SEE STANDARD SHEET" NOTE.
STEEL OVERHEADS (GNTRUSS.DGN) - SOST-04-11 - THIS SHEET ISSUED 09-11.



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.

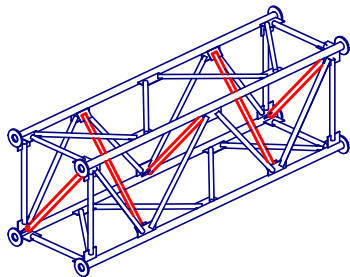
PART TOP VIEW

INTERIOR DIAGONALS HAVE SAME ORIENTATION AT CHORD SPLICE LOCATIONS



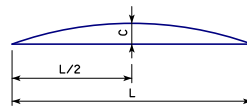
PART ELEVATION VIEWS

GUSSET PLATES NOT SHOWN



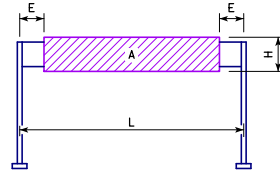
ISOMETRIC VIEW TYPICAL TRUSS UNIT

INTERIOR DIAGONALS SHOWN
IN RED FOR CLARITY



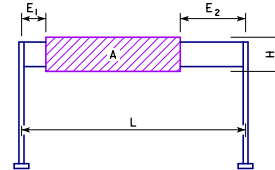
CAMBER DIAGRAM

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 MIRRORRED
(E1 AND E2 VALUES REVERSED).

ALLOWABLE SIGN AREA

CENTERED

SPAN	MAX. SIGN HEIGHT	MIN. END DIST.	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 DIST.	MIN. RIGHT END DIST.	MAX. SIGN AREA
L	H	E1	E2	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"	723 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.

LATEST REVISION DATE
07-17

APPROVED BY BRIDGE ENGINEER
Norman E. McQuinn

IOWADOT Highway Division

STANDARD DESIGN

STEEL OVERHEAD SIGN TRUSS

SEPTEMBER, 2011

ELEVATION VIEWS FOR
TRUSS SPANS
105'-115' SPANS

SOST-04-11