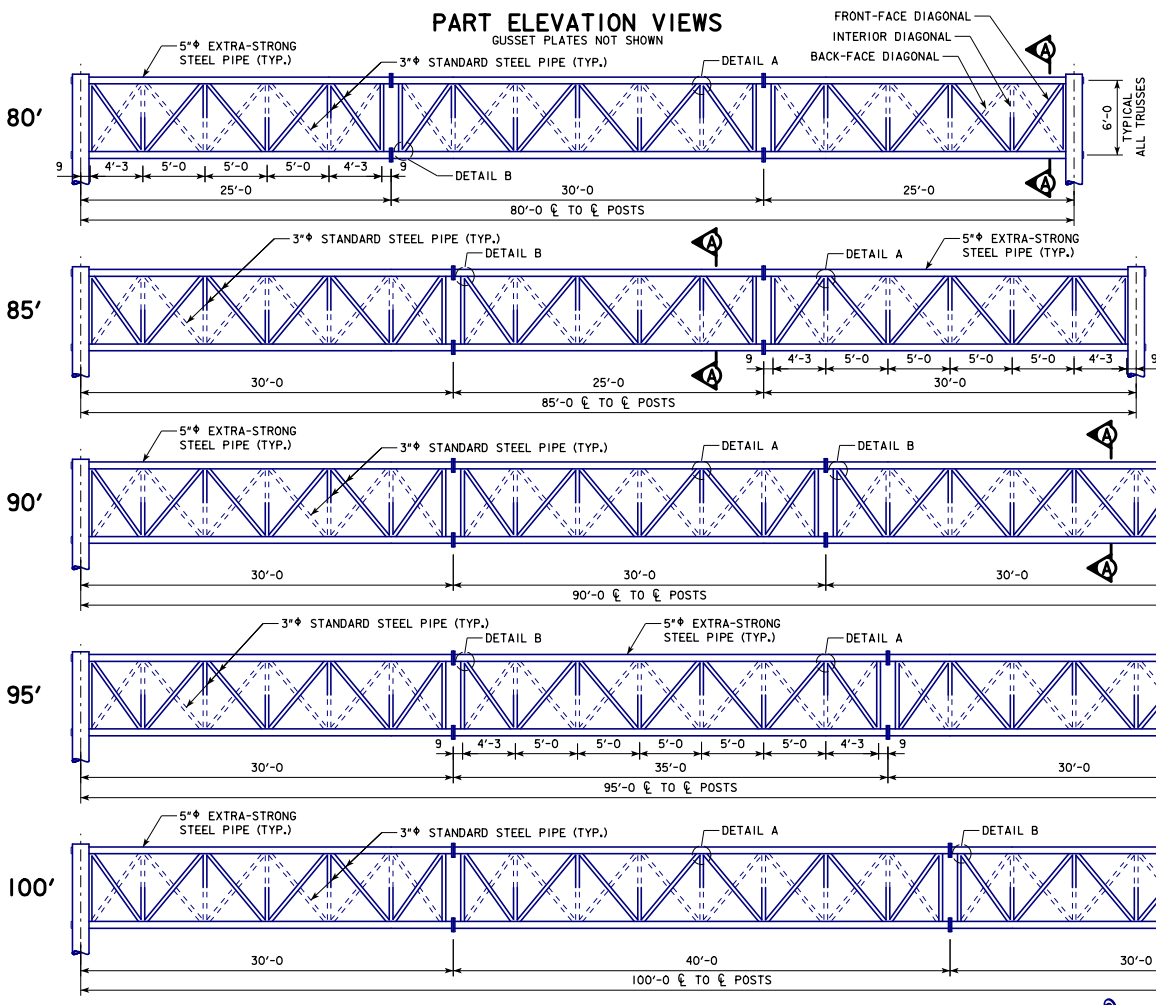
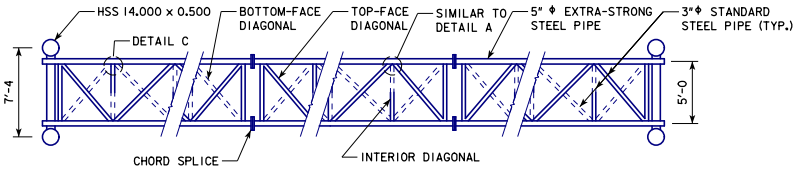
REVISION: 07-17 - MODIFIED NOTES. CHANGED CALLOUT "SIMILAR TO DETAIL A" (WAS "DETAIL D") TO CONFORM TO CHANGE OF DETAIL D ON SOST-08-11. REFERENCE TO DETAIL D WAS REMOVED FROM "SEE STANDARD SHEET ...." NOTE.
STEELOVERHEADSIGNTRUSS.DGN - SOST-03-11 - THIS SHEET ISSUED 09-11.

PART ELEVATION VIEWS

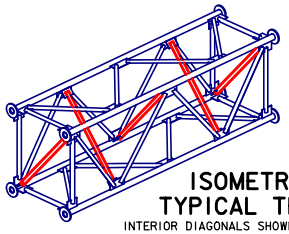
GUSSET PLATES NOT SHOWN





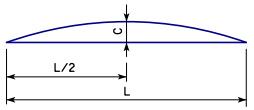
PART TOP VIEW

INTERIOR DIAGONALS HAVE SAME ORIENTATION AT CHORD SPLICE LOCATIONS



ISOMETRIC VIEW TYPICAL TRUSS UNIT

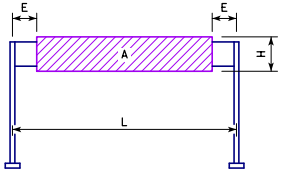
INTERIOR DIAGONALS SHOWN IN RED FOR CLARITY



CAMBER DIAGRAM

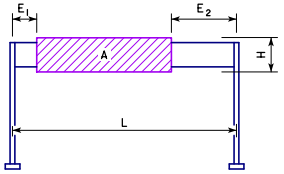
SPAN L	CAMBER C
80′	1 3/8
85′	1 1/2
90′	1 3/4
95′	1 7/8
100′	2 1/8

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.



SIGN AREA FOR STEEL OVERHEAD SIGN TRUSS

CENTERED



SIGN AREA FOR STEEL OVERHEAD SIGN TRUSS

OFFSET

SIGN OFFSET MAY BE MIRRORED (E_1 AND E_2 VALUES REVERSED).

ALLOWABLE SIGN AREA

CENTERED

SPAN	MAX. SIGN HEIGHT	MIN. END DIST.		MAX. SIGN AREA
L	H	E		A
80′	19′-0	15′-0		950 S.F.
85′	19′-0	17′-5		950 S.F.
90′	19′-0	20′-0		950 S.F.
95′	19′-0	22′-5		950 S.F.
100′	19′-0	25′-0		950 S.F.
80′	14′-9	8′-0		944 S.F.
85′	14′-9	10′-6		944 S.F.
90′	14′-9	13′-0		944 S.F.
95′	14′-9	15′-6		944 S.F.
100′	14′-9	18′-0		944 S.F.
85′	12′-0	5′-0		900 S.F.
90′	12′-0	5′-6		948 S.F.
95′	12′-0	8′-0		948 S.F.
100′	12′-0	10′-6		948 S.F.

OFFSET

SPAN	MAX. SIGN HEIGHT	MIN. LEFT END DIST.	MIN. RIGHT END DIST.	MAX. SIGN AREA
L	H	E_1	E_2	A
80′	19′-0	10′-0	30′-0	760 S.F.
85′	19′-0	10′-0	38′-0	703 S.F.
90′	19′-0	10′-0	44′-0	684 S.F.
95′	19′-0	10′-0	50′-0	665 S.F.
100′	19′-0	10′-0	56′-0	646 S.F.
85′	14′-9	10′-0	13′-0	915 S.F.
90′	14′-9	10′-0	25′-0	811 S.F.
95′	14′-9	10′-0	34′-0	752 S.F.
100′	14′-9	10′-0	41′-0	723 S.F.
100′	12′-0	10′-0	14′-0	912 S.F.

SEE STANDARD SHEET SOST-08-11 FOR SECTION A-A AND DETAILS A, B AND C.

07-17
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

IOWADOT Highway Division

STANDARD DESIGN

STEEL OVERHEAD SIGN TRUSS

SEPTEMBER, 2011

ELEVATION VIEWS FOR TRUSS SPANS
80′-100′ SPANS

SOST-03-11