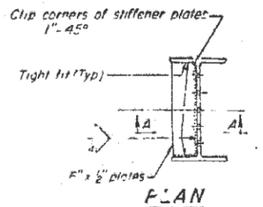
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

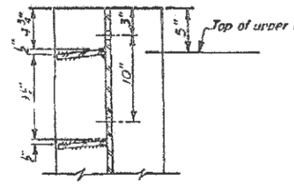
SECTION NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	*	COOK	144	76

SHEET NO 2
SHEETS 6

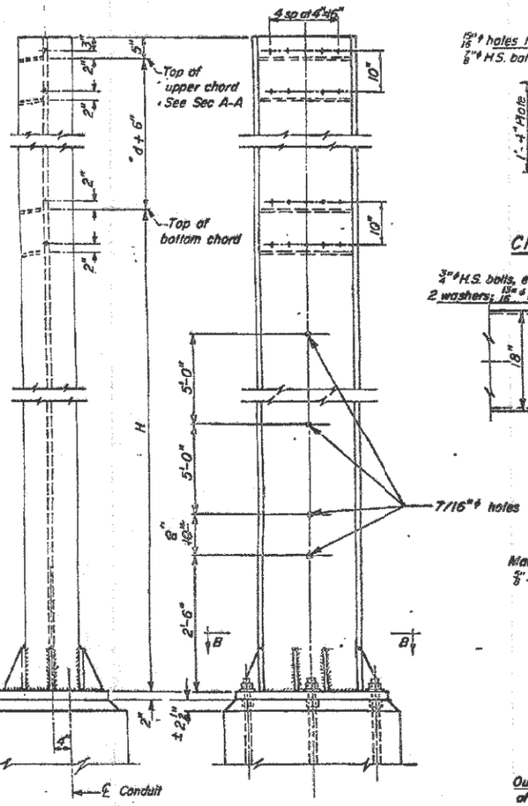
*0303R & 0303.1 BR-1



PLAN



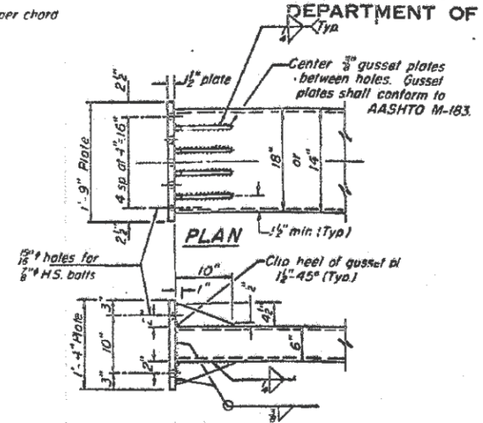
SEC. A-A



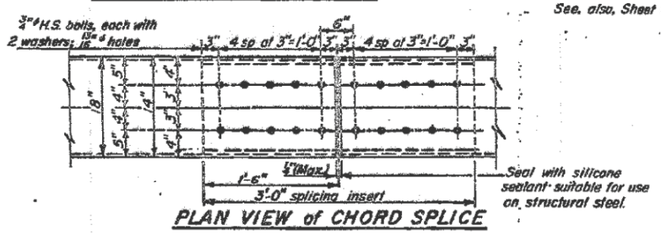
FRONT ELEVATION

SIDE ELEVATION

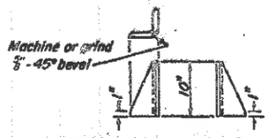
POST
W24 x 104



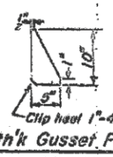
ELEVATION
CHORD END CONNECTION



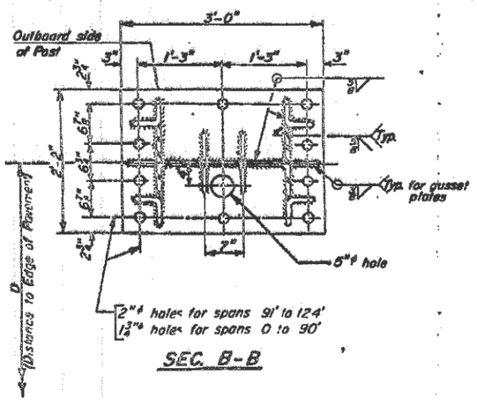
PLAN VIEW of CHORD SPLICE



BRACING ANGLES
L5x5x½ for W24 x 104
(Angles and Gusset Plate shall conform to AASHTO M-183)



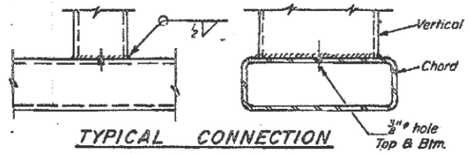
⅜" th'k Gusset Plate



SEC. B-B

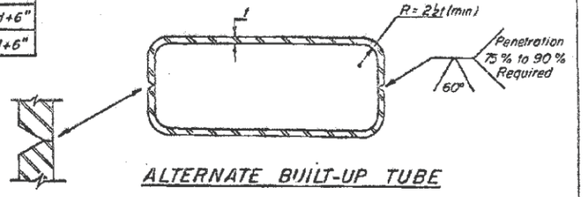
Span	Camber at Centerline	Chord	Vertical	Post	c-c Chords
0 to 70'	4"	TS14x6x⅜	TS10x6x⅜	W24 x 104	*d+6"
71' to 80'	4"	TS14x6x⅜	TS10x6x⅝	W24 x 104	*d+6"
81' to 90'	6"	TS18x6x⅜	TS14x6x⅝	W24 x 104	*d+6"
91' to 100'	6"	TS18x6x⅝	TS14x6x¾	W24 x 104	*d+6"
101' to 110'	6"	TS18x6x½	TS14x6x½	W24 x 104	*d+6"
111' to 124'	6"	TS18x6x⅝	TS14x6x½	W24 x 104	*d+6"

*d is sign depth + 2".



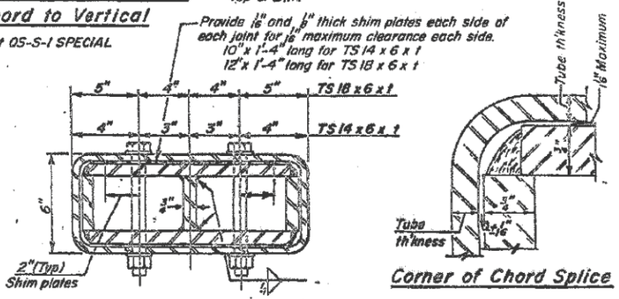
TYPICAL CONNECTION
Chord to Vertical

See, also, Sheet OS-S-1 SPECIAL



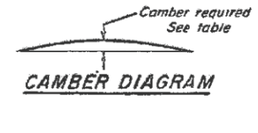
ALTERNATE BUILT-UP TUBE

Width, depth and thickness shall be as indicated for TS members indicated in table.



SECTION THRU SPLICE

Corner of Chord Splice



CAMBER DIAGRAM

Structure No	Station	Span	*d	Camber at ℄	Exterior Unit Lgth. (L)	Interior Unit Lgth (L)	No. of Panels (N)	Panel Lgth (P)	Chord Size	Vertical Size	Post Size	L.H. Post Dim. H	R.H. Post Dim. H
TN-1	313+20	76'-0"	16'-2"	4"	23'-0"	30'-0"	12	6'-0"	TS 14X6X3/8	TS 10X6X3/8	W24X104	16'-6"	16'-6"
TS-1	277+45	76'-0"	16'-2"	4"	23'-0"	30'-0"	12	6'-0"	14X6X3/8	10X6X3/8	W24X104	16'-0"	16'-0"

NOTE: Contractor shall verify elevations & dimensions prior to fabrication. In addition, contractor shall verify location of existing conduits within existing foundations so that 5"ϕ hole will conform.

OVERHEAD SIGN STRUCTURES
POST and CHORD DETAILS

FOR INFORMATION ONLY

REVISED TO DISTRICT 1 STANDARDS 12-11-85

DESIGNED	EXAMINED	19
CHECKED	PASSED	ENGINEER OF BRIDGE DESIGN
DRAWN	APPROVED	ENGINEER OF BRIDGES AND STRUCTURES
CHECKED		DIRECTOR OF HIGHWAYS

OS-S-2 SPECIAL

9-20-85

V (12-91)

Master

HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = mhardin	DESIGNED - J. GUERRIERO	REVISED -
		DRAWN - J. GUERRIERO	REVISED -
	PLOT SCALE = N/A	CHECKED - R. DAVIES	REVISED -
	PLOT DATE = 5/17/2012	DATE - 5/17/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISING PLANS
ILLINOIS ROUTE 394

SCALE: N/A | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	2011-073-T	COOK	44	28
		CONTRACT NO.	60P93	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

COMPANY NAME: $COMPANY_NAME$
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 5/17/2012 1:47:53 PM
FILE NAME: 8610019b_11-det-04.dgn
PLOT DRIVER: pdfcpt
PEN TABLE: Struct 22x34.tbl

C-91-631-11
8610019b_11
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