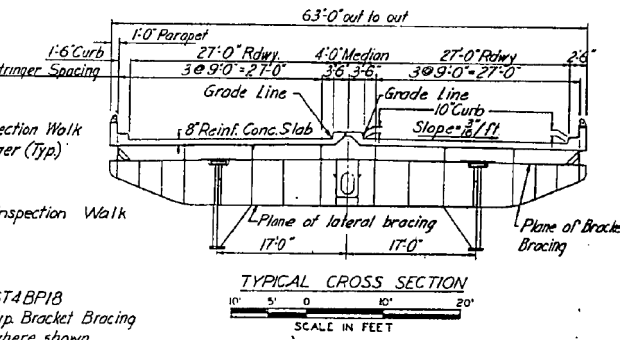
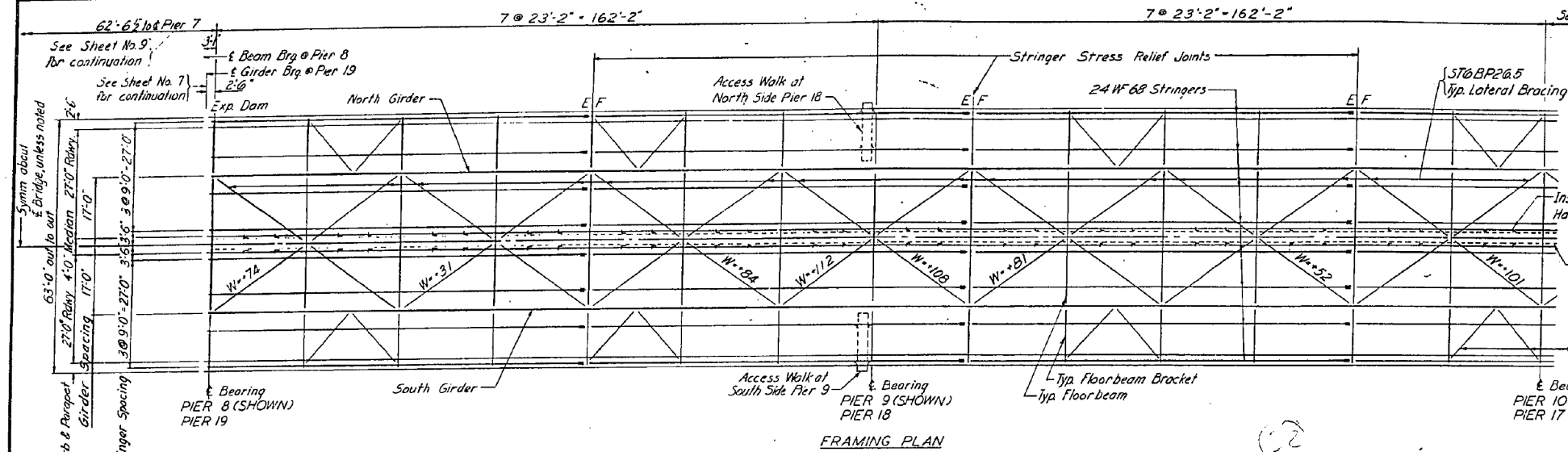


PROJECT NO.	STATE	FED. AID DIST. NO.	SHEET NO.	TOTAL SHEETS
5	IOWA	80-0200	4	41

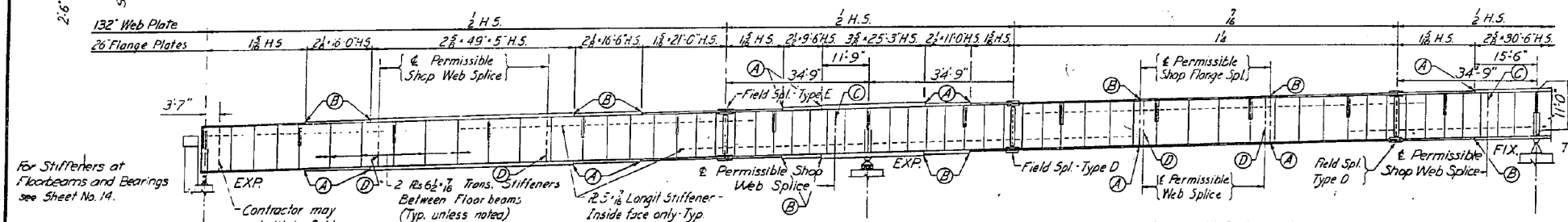


STRINGERS
(Composite in Positive Moment Area)

REACTION	SUPPORT MOMENT	SECTION
D 32	-71	S.M. Req'd.
L 47	-114	*132 in. ³
I 14	-34	
TOTAL 93	-219	24 W68

INTERMEDIATE FLOORBEAMS		END FLOORBEAMS	
SHEAR	MOMENT	SHEAR	MOMENT
D 68	D -118	D 49	D +99
L 61	L +572	L 48	L +444
I 19	I +172	I 15	I +134
TOTAL 148	TOTAL +862	TOTAL 112	TOTAL +677

S.M. Req'd: 122 in.³
72¹/₁₆ Web IR
2 Flange IRs 12¹/₂



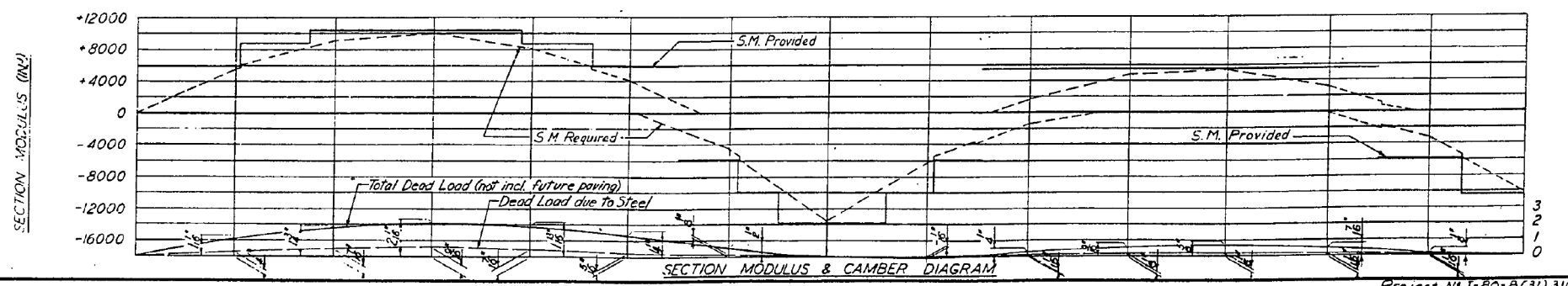
Notation for Butt Weld Radiographing:
Weld (A) (Tension Flange): 100% Radiographing Required.
Weld (B) (Compression Flange): Min. of 50% Radiographing Required.
Weld (C) (Vertical Web): 25% Radiographing Req., Starting from Top Flange.
Weld (D) (Vertical Web): 25% Radiographing Req., Starting from Bottom Flange.
Weld (E) (Horizontal Web): One Foot in Every Ten Feet to be Radiographed.

INTERMEDIATE FLBM BRACKETS		END FLBM BRACKETS	
SHEAR	MOMENT	SHEAR	MOMENT
D 69	-617	D 49	-433
L 59	-408	L 46	-316
I 18	-123	I 14	-95
TOTAL 146	-1148	TOTAL 109	-844

S.M. Req'd: 564 in.³
72¹/₁₆ Web IR
2 Flange IRs 12¹/₂

	REACT	SHEAR	SHEAR	SHEAR	SHEAR	SHEAR	SHEAR	REACT	SHEAR	SHEAR	SHEAR	SHEAR	SHEAR	SHEAR	SHEAR	REACT
D	+366	+304	+158	+33	-117	-226	-370	-497	+1069	+411	+301	-157	+37	-107	-212	+358
L	+153	+127	+93	+64	-75	-104	-136	-170	+321	+164	+129	+97	+69	-89	-121	-156
I	+26	+24	+19	+15	-19	-24	-28	-32	+56	+31	+27	+18	-20	-25	-30	+53
TOTAL	+545	+455	+270	+112	-211	-354	-534	-699	+1446	+606	+457	+276	+124	-216	-358	+1220

	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT	MOMENT
D	0	+7055	-10727	+11482	+8783	+5534 (-3212)	-4616	-18616	-7097	-117 (-119)	+3512 (-3154)	+4355	+1880 (+1681)	-3036	-11348	
L	0	+2640	+4265	+4896	+4569	+3330 (2182)	-2864	-5779	-2910	+2433 (1836)	+3206 (-1792)	+3335	+2556 (-1704)	-2469	-5122	
I	0	+459	+742	+852	+795	+579 (-380)	-556	-1006	-565	+378 (-319)	+558 (-312)	+580	+445 (-296)	-479	-891	
TOTAL	0	+10154	+15734	+17230	+14147	+7443 (-650)	-8036	-23401	-10572	+2694 (-2274)	+7276 (+1050)	+8270	+4881 (-319)	-5984	-17361	



NOTES:
For General Notes and Design Criteria, see Sheet No. 3.
Reactions and Shears are in Kips.
Moments are in Foot-Kips.
Structural metalwork noted as 'H.S.' shall be Low Alloy High Strength Steel, ASTM A441-63T. Metalwork not otherwise noted shall conform to ASTM A36-62T.
All floorbeams and transverse stiffeners shall be set normal to profile grade, except for vertical floorbeam at Pier 8.

IOWA STATE HIGHWAY COMMISSION
AND ILLINOIS DIVISION OF HIGHWAYS
INTERSTATE BRIDGE
OVER MISSISSIPPI RIVER AT LE CLAIRE, IOWA
CONTRACT NO. 2 - SUPERSTRUCTURE

STRESS SHEET - I

SCALE IN FEET, UNLESS NOTED
15' 10' 5' 0' 5' 30'

MAY 1964
MODJESKI & MASTERS, ENGINEERS
SHEET NO. 4 OF 41

Project No: I-80-B(31)310 Design No: 163A Scott County File No: 21704

DESIGNED VHV
CHECKED DAB
DRAWN baliva
CHECKED VHV DAB

EXAMINED *Timothy A. Dredger* DATE OCTOBER 12, 2012
ACTING ENGINEER OF STRUCTURAL SERVICES
PASSED *Carl Berger*
ACTING ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
SN 081-0011
SHEET 2 OF 42 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80 D2	BRIDGE PAINTING 2012-2	ROCK ISLAND	46	6
CONTRACT NO. 64H81			ILLINOIS FED. AID PROJECT	