



Shear Connector Spacing for all Beams (Welded Studs, 4" x 3/8", 4 per row)

20 @ 8"	11 @ 12"	8 @ 18"	14 @ 12"	12 @ 10"	19'-0"	12 @ 12"	21 @ 12"	21'-0"	9 @ 10"	16'-0"	6 @ 12"	10 @ 16"	7 @ 12"	14 @ 9"	8 @ 12"	9 @ 16"	7 @ 12"	17 @ 8"
13'-4"	11'-0"	12'-0"	14'-0"	10'-0"	12'-0"	12'-0"	21'-0"	7'-6"	7'-0"	16'-0"	13'-4"	7'-0"	10'-6"	8'-0"	12'-0"	7'-0"	11'-4"	

Note:
For Section Selections, Shear Connectors, Moments, Reactions and Camber between Piers 6 & 8, see Sheet No. 8.

BEAMS	REACT. PIER 24			+MOM @ G			-MOM PIER 25			REACT. PIER 25			+MOM @ H			-MOM PIER 26			REACT. PIER 26			+MOM @ J			-MOM PIER 27			REACT. PIER 27			+MOM @ K			REACT. ILL. ABUT.														
	D	L	T	D	L	T	D	L	T	D	L	T	D	L	T	D	L	T	D	L	T	D	L	T	D	L	T	D	L	T	D	L	T	D	L	T												
Exterior	43	53	13	109	638	625	155	1416	932	500	130	1562	128	61	15	204	365	505	125	99	513	359	103	1015	93	55	115	163	132	363	99	594	495	337	92	924	93	53	15	161	393	443	121	957	34	51	14	99
Interior	39	56	14	109	594	710	175	1469	952	571	142	1565	118	69	18	205	328	571	140	1039	465	449	116	1030	85	62	116	163	119	412	113	164	452	383	104	939	84	60	17	161	362	502	138	1002	31	54	15	100
Median	38	53	13	104	569	625	156	1350	930	494	123	1447	114	61	15	190	307	494	123	924	443	394	102	935	82	55	115	152	110	364	99	573	441	338	92	871	83	53	15	151	353	43	121	917	31	51	14	96

	L/15	L/10	L/8	L/6	L/5	L/4	L/3	L/2	L/1	L/1	L/2	L/3	L/4	L/5	L/6	L/8	L/10	L/15
CAMBER FOR STEEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAMBER FOR CONCRETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL CAMBER - IN.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTES:
For General Notes and Design Criteria, see Sheet No. 3.
Reactions are in Kips.
Moments are in Foot-Kips.
Structural metalwork shall conform to A.S.T.M. A36-62T.
For Typical Cross-Section, see Sheet No. 15.

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

STRESS SHEET - 6
SCALE IN FEET, UNLESS NOTED
MODJESKI & MASTERS, ENGINEERS

MAY 1964 SHEET NO. 9 OF 41
Project N: I-80-B(31)310 Design N: 163A Scott County File N: 21704