



BEAMS	REACT. IOWA ABUT.	+MOM @ A												+MOM @ B												+MOM @ C												+MOM @ D												+MOM @ E												+MOM @ F											
		D		L		I		T		D		L		I		T		D		L		I		T		D		L		I		T		D		L		I		T		D		L		I		T																									
Exterior	27' 50" 14' 9"	253410112	1777	593393	1041093	01' 55" 15" 17"	38877	119	96464	34109	1123	104	58	15	177	291	490	123	904	749	455	115	1319	114	59	15	188	524	564	145	1233	38	52	13	103	34	52	14	100	3894	5112	964	540337	921969	97	53	15	165	182	360	99	641	360308	84	752	80	50	14	144														
Interior	25' 53" 15" 53"	237466	131834	554447	1181119	94' 63" 17" 174	344	542	135	1021	598492	123	1213	97	68	17	180	271	556	139	966	7005	1613	1347	106	67	17	190	490	42	165	1297	36	55	14	105	31	54	15	100	357	513	139	1009	496383	1041983	89	60	16	165	166	410	11	687	331	349	95	775	73	57	16	146											
Median	25' 50" 14" 85"	233411	115	759	546393	104	643	93	55	15	163	340	478	119	937	598434	109	112	96	58	15	169	26749	123	880	690455	115	126	109	59	15	179	483	568	145	1193	95	52	13	100	30	52	14	96	3524	5112	427	489	338	92	19	188	53	15	156	164	360	99	623	326	308	84	718	72	50	14	136						

CAMBER	Span																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
CAMBER FOR STEEL	0	1/16	0	0	0	1/16	0	0	1/16	0	0	1/16	0	0	1/16	0	0	1/16	0	0	1/16	0	0	1/16
CAMBER FOR CONCRETE	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16
TOTAL CAMBER - IN	3/16	4	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16

TABLE OF FILLS FOR BEAM SPAN BEARINGS

BEAMS	IOWA ABUT.	PIER 1	PIER 2	PIER 3	PIER 4 (Back Sta)	PIER 4 (Ahead Sta)	PIER 5	PIER 6	PIER 7	PIER 8	PIER 24	PIER 25	PIER 26	PIER 27	ILL. ABUT.
Exterior	0	0	1/2	1/2	0	1/2	1/2	1/2	1/2	1/2	0	1/2	1/2	0	1/2
Interior	0	0	1/2	1/2	0	1/2	1/2	1/2	1/2	1/2	0	1/2	1/2	0	1/2
Median	0	0	1/2	1/2	0	1/2	1/2	1/2	1/2	1/2	0	1/2	1/2	0	1/2

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 - 5

SCALE 1" = 10' FEET, UNLESS NOTED
 MODJESKI & MASTERS, ENGINEERS

MAY 1964 SHEET NO. 8 OF 41

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