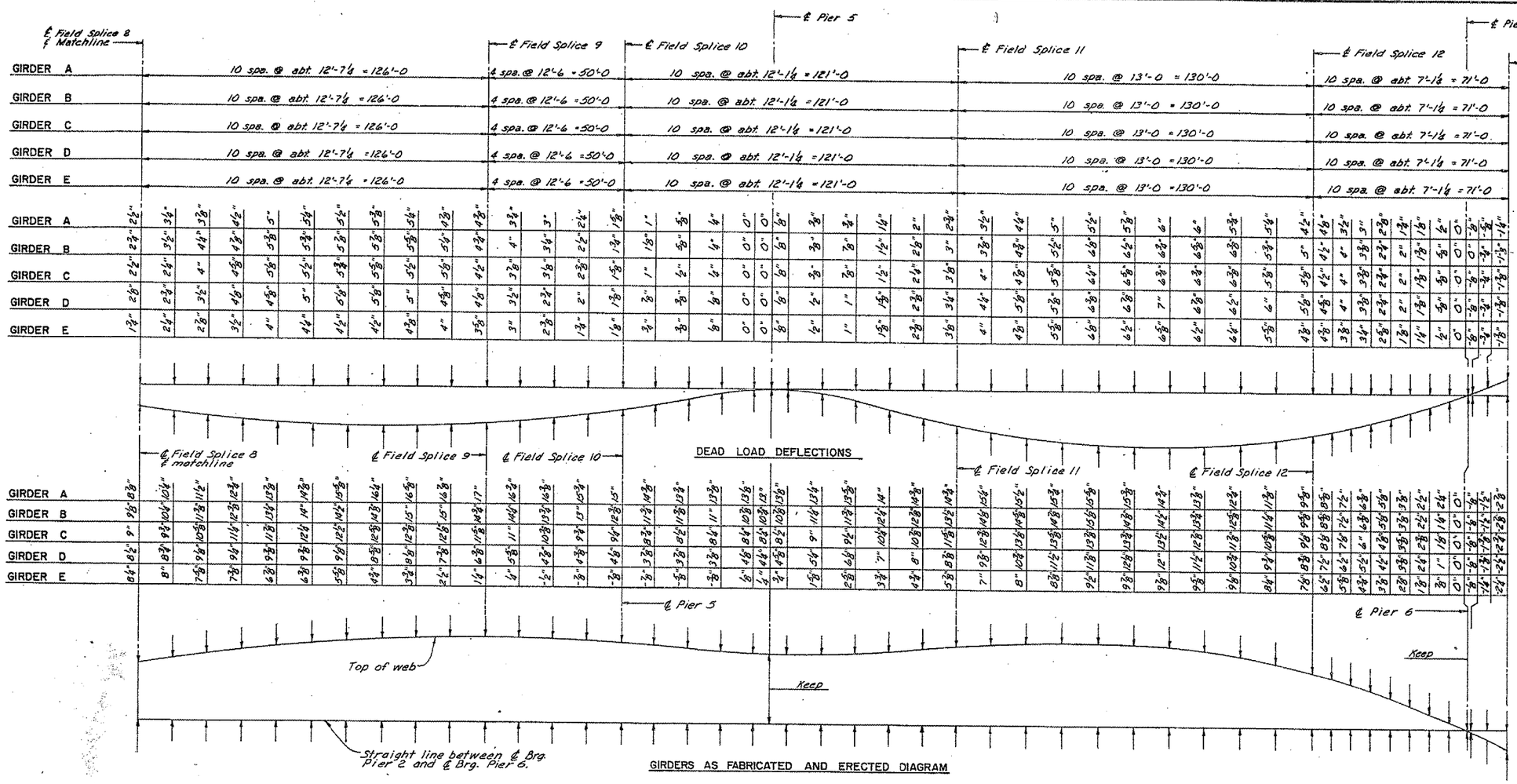
FEDERAL DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	IOWA			20	40
	ILLINOIS				



GIRDERS AS FABRICATED AND ERECTED DIAGRAM

NOTE:

35% of the "Dead Load Deflections" is due to structural steel and 65% is due to concrete.

TOP OF CONCRETE PAVEMENT ELEVATIONS UNIT 2

LOCATION	F.S. 8	.10	.20	.30	.40	.50	.60	.70	.80	.90	F.S. 9	.25	.50	.75	F.S.10	.10	.20	.30	.40	.50	.60	.70	.80
Girder A	559.32	559.31	559.29	559.27	559.25	559.24	559.22	559.20	559.19	559.17	559.15	559.12	559.07	559.01	558.93	558.86	558.79	558.71	558.64	558.57	558.49	558.42	558.33
Stringer 1	559.67	559.64	559.60	559.57	559.54	559.50	559.47	559.44	559.41	559.37	559.34	559.29	559.24	559.17	559.10	559.02	558.95	558.88	558.81	558.73	558.66	558.58	558.50
Girder B	550.02	559.97	559.92	559.87	559.82	559.77	559.72	559.67	559.62	559.58	559.52	559.47	559.41	559.34	559.26	559.19	559.12	559.04	558.97	558.90	558.82	558.75	558.66
Stringer 2	560.36	560.30	560.23	560.17	560.10	560.04	559.97	559.91	559.84	559.78	559.71	559.64	559.57	559.50	559.43	559.35	559.28	559.21	559.14	559.06	558.99	558.91	558.83
Girder C	560.65	560.56	560.48	560.39	560.31	560.22	560.14	560.05	559.97	559.88	559.80	559.71	559.63	559.56	559.48	559.41	559.34	559.26	559.19	559.12	559.04	558.97	558.88
Stringer 3	560.80	560.68	560.57	560.46	560.35	560.23	560.12	560.01	559.89	559.78	559.67	559.57	559.48	559.39	559.32	559.24	559.17	559.10	559.03	558.95	558.88	558.80	558.72
Girder D	560.95	560.81	560.67	560.53	560.39	560.25	560.10	559.96	559.82	559.68	559.54	559.42	559.32	559.23	559.15	559.08	559.01	558.93	558.86	558.79	558.71	558.64	558.55
Stringer 4	561.10	560.93	560.76	560.60	560.43	560.26	560.09	559.92	559.75	559.58	559.42	559.28	559.16	559.06	558.99	558.91	558.84	558.77	558.70	558.62	558.55	558.47	558.39
Girder E	561.25	561.06	560.86	560.66	560.47	560.27	560.07	559.88	559.68	559.48	559.29	559.13	559.00	558.90	558.82	558.75	558.68	558.60	558.53	558.46	558.39	558.31	558.22
LOCATION	.90	F.S.11	.10	.20	.30	.40	.50	.60	.70	.80	.90	FS12	.10	.20	.30	.40	.50	.60	.70	.80	.90	Exp.Jt.	
Girder A	558.25	558.15	558.05	557.94	557.82	557.70	557.57	557.44	557.30	557.16	557.01	556.85	556.76	556.67	556.58	556.49	556.40	556.30	556.20	556.10	556.00	555.90	
Stringer 1	558.41	558.32	558.21	558.10	557.99	557.87	557.74	557.60	557.47	557.32	557.17	557.01	556.93	556.84	556.75	556.65	556.56	556.46	556.37	556.27	556.17	556.06	
Girder B	558.58	558.48	558.38	558.27	558.15	558.03	557.90	557.77	557.63	557.49	557.34	557.18	557.09	557.00	556.91	556.82	556.73	556.63	556.53	556.43	556.33	556.23	
Stringer 2	558.74	558.65	558.54	558.43	558.32	558.20	558.07	557.94	557.80	557.65	557.50	557.35	557.26	557.17	557.08	556.99	556.89	556.79	556.70	556.60	556.50	556.39	
Girder C	558.80	558.71	558.60	558.49	558.37	558.25	558.12	557.99	557.85	557.71	557.56	557.40	557.31	557.22	557.13	557.04	556.95	556.85	556.75	556.65	556.55	556.45	
Stringer 3	558.63	558.54	558.43	558.32	558.21	558.09	557.96	557.83	557.69	557.54	557.39	557.24	557.15	557.06	556.97	556.88	556.78	556.69	556.59	556.49	556.39	556.28	
Girder D	558.47	558.38	558.27	558.16	558.04	557.92	557.79	557.66	557.52	557.38	557.23	557.07	556.98	556.89	556.80	556.71	556.62	556.52	556.42	556.32	556.22	556.12	
Stringer 4	558.30	558.21	558.10	557.99	557.88	557.76	557.63	557.50	557.36	557.21	557.06	557.91	556.82	556.73	556.64	556.55	556.45	556.36	556.26	556.16	556.06	555.95	
Girder E	558.14	558.05	557.94	557.83	557.71	557.59	557.46	557.33	557.19	557.05	556.90	556.74	556.65	556.56	556.47	556.38	556.29	556.19	556.09	555.99	555.89	555.79	

Note: Offsets are given at ¼ points between F.S. 5 and F.S. 6; at ¼ points between F.S. 9 and F.S. 10; at 1/10 points between Exp. Jt. 2 and F.S. 3; at 1/10 points between Exp. Jt. 3 and F.S. 12 and at 1/10 points between all other field splices.

Legend:
F.S. denotes field splice
Exp. Jt. denotes expansion joint

BENCH MARKS

PMB No. 2 Found chiseled "□" in T/Conc. @ east end of retaining wall, south side of Highway 136, east end of Keokuk-Hamilton River Bridge. Elev. 505.06

PMB No. 6 S.E. corner of light base on the N.W. corner of the intersection of Water and Main Street in Keokuk. Elev. 509.32

PMB No. 7 S.E. corner -- base of traffic light -- N.E. corner of 3rd and Main in Keokuk. Elev. 579.17

HOWARD NEEDLES TAMMEN & BERGENDOFF HNTB

MADE JEL DATE 7-82 CHECKED JMH DATE 7-82

6767-25-00

MISSISSIPPI RIVER BRIDGE
KEOKUK, IOWA - HAMILTON, ILLINOIS

STEEL ALTERNATE

DESIGN FOR 0° SKEW

3340' × 64' CONTINUOUS WELDED PLATE GIRDER BRIDGE

DEAD LOAD DEFLECTIONS-UNIT 2

STA. 80+40.00
RIVER MILE 363.9
LEE COUNTY, IOWA

PROJECT NO. BRF-19-1(3)--38-56
HANCOCK COUNTY, ILLINOIS

DESIGN SHEET 71 OF

DESIGN NO. 282 LEE COUNTY FILE 26723 SHEET 77 OF 227

FOR INFORMATION ONLY