

CONCRETE PLACEMENT AND SLAB REINFORCING PLAN - UNIT 3

**NOTES:**  
 Roadway slab shall be placed in sections and in the sequence indicated by circled numbers of intervals, not exceeding 24 hours. Alternate procedures for placing concrete may be submitted for approval together with a statement of the proposed method and evidence that the contractor possesses the necessary equipment and facilities to accomplish the required results. The transverse construction joints shall be placed parallel to the adjacent pier. For detail of slab construction joint, see Sheet 78. For detail of longitudinal bar spacing, see Sheet 78. For "Light Pole Base Details", see Sheet 105 and 106. For "Drain Details", see Sheets 98 and 99. For location of drains see Sheet 28 and 29. 5'-0" each side of Joint 3 shall be poured after both Unit 2 and 3 are completed and expansion joint is in place. 5'-0" each side of Joint 4 shall be poured after both Unit 3 and 4 are completed and expansion joint is in place.

**CONCRETE PLACEMENT QUANTITIES**

UNIT 3	
POUR	CU. YDS.
1	134.5
2	145.9
3	174.4
4	104.9
5	97.1
6	77.5
7	111.3
8	120.9
9	144.5
10	87.0
11	80.5
12	64.4
Light Blister	.3
<b>Total</b>	<b>1343.2</b>

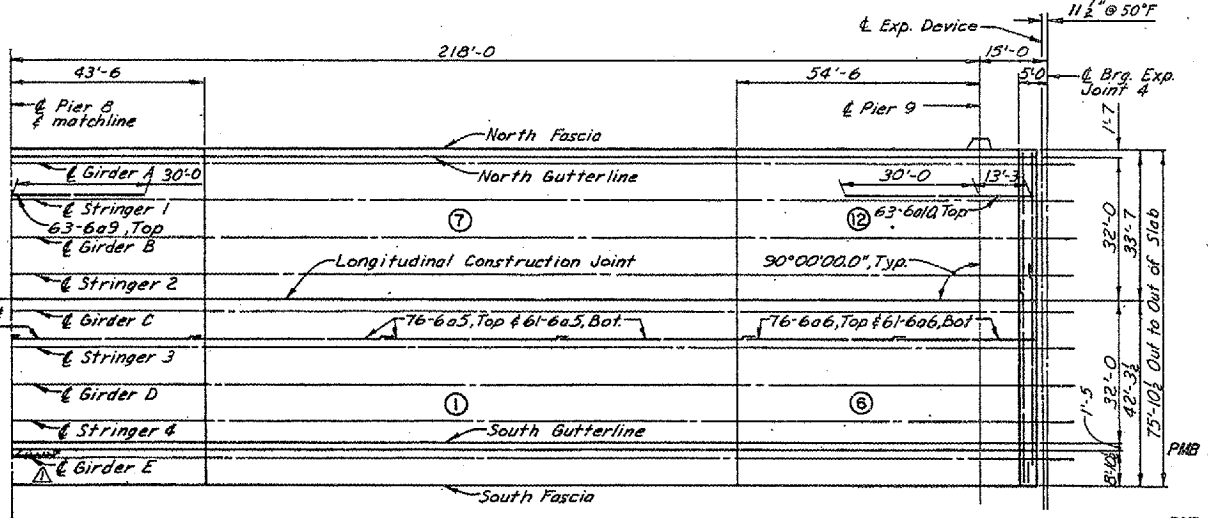
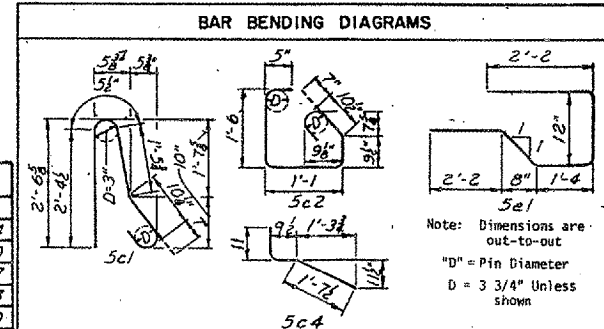
- BENCH MARKS**
- PMB No. 2 Found chiseled "□" in T/Conc. @ east end of retaining wall, south side of Highway 136, east end of Keokuk-Hamilton River Bridge. Elev. 505.06
  - PMB No. 6 S.E. corner of light base on the N.W. corner of the intersection of Water and Main Street in Keokuk. Elev. 509.32
  - PMB No. 7 S.E. corner -- base of traffic light -- N.E. corner of 3rd and Main in Keokuk. Elev. 573.17

**BILL OF REINFORCEMENT**

BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT
<b>NON-EPOXY COATED</b>					
6a1	Longitudinal	---	244	40'-11"	14995
6a2	Longitudinal	---	122	48'-2"	8626
6a3	Longitudinal	---	183	47'-3"	12887
6a4	Longitudinal	---	122	44'-7"	8170
6a5	Longitudinal	---	183	43'-7"	11980
6a6	Longitudinal	---	122	35'-5"	6490
<b>EPOXY-COATED</b>					
6a1	Longitudinal	---	304	40'-11"	18683
6a2	Longitudinal	---	152	48'-2"	10897
6a3	Longitudinal	---	228	47'-3"	16181
6a4	Longitudinal	---	152	44'-7"	10179
6a5	Longitudinal	---	228	43'-7"	14925
6a6	Longitudinal	---	152	35'-5"	8086
6a9	Long. over Pier	---	126	60'-0"	11355
<b>Total</b> 153300					
6b1	Transverse	---	747	44'-5"	49835
6b2	Transverse	---	747	29'-3"	32818
6b3	Transverse	---	747	6'-5"	7199
<b>Total</b> 153300					

**CONCRETE PLACEMENT QUANTITIES**

POUR	CU. YDS.
7b1	69091
7b2	51532
5c1	7772
5c2	7097
5c3	3524
5c4	4547
5d2	14836
5e1	886
5e2	388
<b>Total</b>	<b>254172</b>



CONCRETE PLACEMENT AND SLAB REINFORCING PLAN - UNIT 3

**TOP OF CONCRETE PAVEMENT ELEVATIONS UNIT 3**

LOCATION	EXP. JT.	.25	.50	.75	F.S. 13	.10	.20	.30	.40	.50	.60	.70	.80	.90	F.S. 14	.10	.20	.30	.40	.50	.60	.70	.80	.90	F.S. 15	.10	.20	.30	.40
GIRDER A	555.90	555.75	555.60	555.44	555.29	555.11	554.92	554.73	554.54	554.34	554.14	553.93	553.72	553.51	553.29	553.06	552.83	552.60	552.38	552.15	551.92	551.69	551.46	551.24	551.01	550.84	550.67	550.50	550.34
STRINGER 1	556.06	555.92	555.76	555.61	555.45	555.27	555.09	554.90	554.70	554.51	554.30	554.10	553.89	553.67	553.45	553.23	553.00	552.77	552.54	552.31	552.08	551.86	551.63	551.40	551.17	551.00	550.84	550.67	550.50
GIRDER B	556.23	556.08	555.93	555.77	555.62	555.44	555.25	555.06	554.87	554.67	554.47	554.26	554.05	553.84	553.62	553.39	553.16	552.93	552.71	552.48	552.25	552.02	551.79	551.57	551.34	551.17	551.00	550.83	550.67
STRINGER 2	556.39	556.25	556.09	555.94	555.78	555.60	555.42	555.23	555.03	554.84	554.63	554.43	554.22	554.00	553.78	553.56	553.33	553.10	552.87	552.64	552.41	552.19	551.96	551.73	551.50	551.33	551.17	551.00	550.83
GIRDER C	556.45	556.30	556.15	556.00	555.84	555.66	555.47	555.28	555.09	554.89	554.69	554.48	554.27	554.06	553.84	553.61	553.38	553.15	552.93	552.70	552.48	552.25	552.02	551.79	551.56	551.39	551.22	551.05	550.89
STRINGER 3	556.28	556.14	555.98	555.83	555.67	555.49	555.31	555.12	554.92	554.73	554.52	554.32	554.11	553.89	553.67	553.45	553.22	552.99	552.76	552.53	552.31	552.08	551.85	551.62	551.39	551.23	551.06	550.89	550.72
GIRDER D	556.12	555.97	555.82	555.67	555.51	555.33	555.14	554.95	554.76	554.56	554.36	554.15	553.94	553.73	553.51	553.28	553.05	552.82	552.60	552.37	552.14	551.91	551.68	551.46	551.23	551.06	550.89	550.72	550.56
STRINGER 4	555.95	555.81	555.65	555.50	555.34	555.16	554.98	554.79	554.59	554.40	554.19	553.99	553.78	553.56	553.34	553.12	552.89	552.66	552.43	552.20	551.98	551.75	551.52	551.29	551.06	550.90	550.73	550.56	550.39
GIRDER E	555.79	555.64	555.49	555.34	555.18	555.00	554.81	554.62	554.43	554.23	554.03	553.82	553.61	553.40	553.18	552.95	552.72	552.49	552.27	552.04	551.81	551.58	551.35	551.13	550.90	550.73	550.56	550.39	550.23

**TOP OF CONCRETE PAVEMENT ELEVATIONS UNIT 3**

LOCATION	.50	.60	.70	.80	.90	F.S. 16	.10	.20	.30	.40	.50	.60	.70	.80	.90	F.S. 17	.10	.20	.30	.40	.50	.60	.70	.80	.90	F.S. 18	.25	.50	.75	Exp. JT.
GIRDER A	550.17	550.00	549.83	549.67	549.50	549.33	549.10	548.86	548.63	548.39	548.15	547.93	547.69	547.46	547.22	546.99	546.76	546.52	546.29	546.05	545.82	545.59	545.35	545.12	544.88	544.65	544.36	544.07	543.79	543.50
STRINGER 1	550.33	550.17	550.00	549.83	549.66	549.50	549.26	549.03	548.79	548.56	548.33	548.09	547.86	547.62	547.39	547.16	546.92	546.69	546.45	546.22	545.99	545.75	545.52	545.28	545.05	544.82	544.53	544.24	543.95	543.66
GIRDER B	550.50	550.33	550.16	550.00	549.83	549.66	549.43	549.19	548.96	548.72	548.49	548.26	548.02	547.79	547.55	547.32	547.09	546.85	546.62	546.38	546.15	545.92	545.68	545.45	545.21	544.98	544.69	544.40	544.12	543.83
STRINGER 2	550.66	550.50	550.33	550.16	549.99	549.83	549.59	549.36	549.12	548.89	548.66	548.42	548.19	547.95	547.72	547.49	547.25	547.02	546.78	546.55	546.32	546.08	545.85	545.61	545.38	545.15	544.86	544.57	544.28	543.99
GIRDER C	550.72	550.55	550.38	550.22	550.05	549.88	549.65	549.41	549.18	548.94	548.71	548.48	548.24	548.01	547.77	547.54	547.31	547.07	546.84	546.60	546.37	546.14	545.90	545.67	545.43	545.20	544.91	544.63	544.34	544.05
STRINGER 3	550.55	550.39	550.22	550.05	549.88	549.72	549.48	549.25	549.01	548.78	548.55	548.31	548.08	547.84	547.61	547.38	547.14	546.91	546.67	546.44	546.21	545.97	545.74	545.50	545.27	545.04	544.75	544.46	544.17	543.89
GIRDER D	550.39	550.22	550.05	549.89	549.72	549.55	549.32	549.08	548.85	548.61	548.38	548.15	547.91	547.68	547.44	547.21	546.98	546.74	546.51	546.27	546.04	545.81	545.57	545.34	545.10	544.87	544.58	544.30	544.01	543.72
STRINGER 4	550.22	550.06	549.89	549.72	549.55	549.39	549.15	548.92	548.68	548.45	548.22	547.98	547.75	547.51	547.28	547.05	546.81	546.58	546.34	546.11	545.88	545.64	545.41	545.17	544.94	544.71	544.42	544.13	543.84	543.56
GIRDER E	550.06	549.89	549.72	549.56	549.39	549.22	548.99	548.75	548.52	548.28	548.05	547.82	547.58	547.35	547.11	546.88	546.65	546.41	546.18	545.94	545.71	545.48	545.24	545.01	544.77	544.54	544.25	543.97	543.68	543.39

**MISSISSIPPI RIVER BRIDGE**  
 KEOKUK, IOWA - HAMILTON, ILLINOIS

**STEEL ALTERNATE**  
 DESIGN FOR 0° SKEW  
 3340' x 64' CONTINUOUS WELDED  
 PLATE GIRDER BRIDGE  
 SLAB PLAN - UNIT 3

STA. 80+00.00  
 RIVER MILE 362.8  
 LEE COUNTY, IOWA  
 PROJECT NO. BRP-18-(13)-38-B  
 HANCOCK COUNTY, ILLINOIS

Revision (5-31-83) Telephone conduit base deleted & 1st paragraph in Notes revised as marked by Δ.