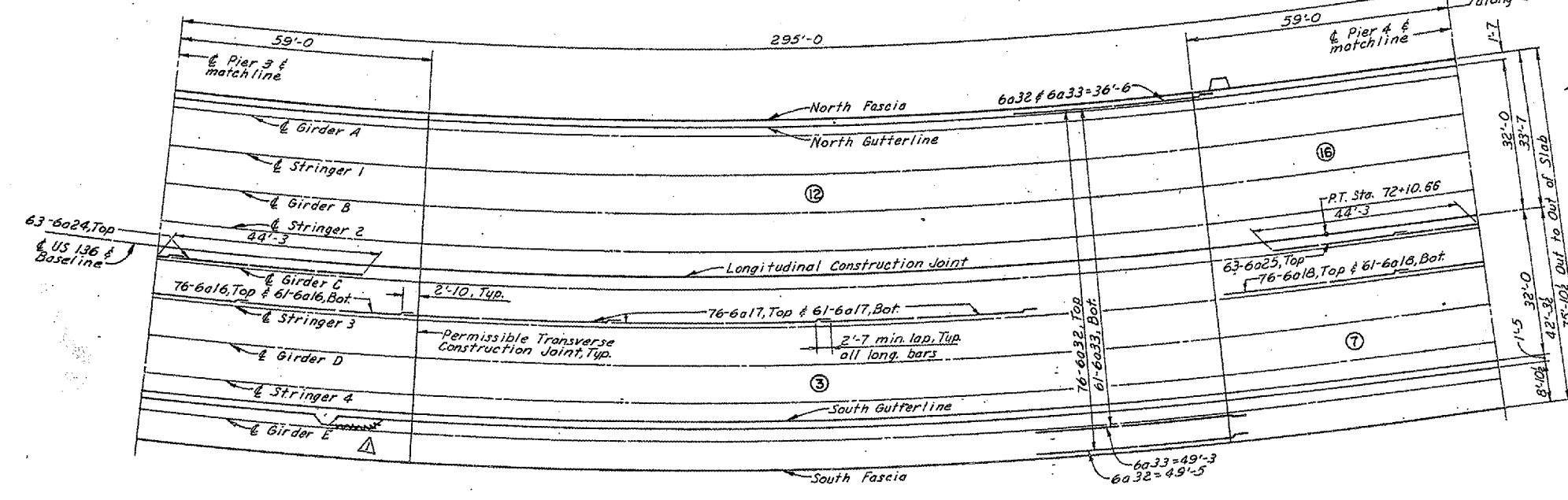


| CONCRETE PLACEMENT QUANTITIES | |
|-------------------------------|---------------|
| UNIT 2 | |
| POUR | CU. YDS. |
| 1 | 160.1 |
| 2 | 204.2 |
| 3 | 208.2 |
| 4 | 164.3 |
| 5 | 93.2 |
| 6 | 127.5 |
| 7 | 136.0 |
| 8 | 125.9 |
| 9 | 92.4 |
| 10 | 132.7 |
| 11 | 169.5 |
| 12 | 167.1 |
| 13 | 130.4 |
| 14 | 74.7 |
| 15 | 102.7 |
| 16 | 112.0 |
| 17 | 104.1 |
| 18 | 76.8 |
| Light Blisters | .8 |
| Total | 2382.6 |

| BILL OF REINFORCEMENT | | | | | | |
|-------------------------|--------------------|-------|------|--------|--------------|---------------|
| BAR | LOCATION | SHAPE | NO. | LENGTH | WEIGHT | |
| NON-EPOXY COATED | | | | | | |
| 6a14 | Longitudinal | — | 61 | 41'-2 | 3772 | |
| 6a15 | Longitudinal | — | 183 | 39'-5 | 10834 | |
| 6a16 | Longitudinal | — | 122 | 39'-7 | 7253 | |
| 6a17 | Longitudinal | — | 183 | 49'-5 | 13583 | |
| 6a18 | Longitudinal | — | 183 | 41'-3 | 11338 | |
| 6a19 | Longitudinal | — | 244 | 47'-7 | 17439 | |
| 6a20 | Longitudinal | — | 183 | 38'-1 | 10468 | |
| 6a21 | Longitudinal | — | 244 | 38'-0 | 13927 | |
| 6a22 | Longitudinal | — | 122 | 39'-0 | 7147 | |
| 6a27 | Longitudinal | — | 61 | Varies | 3142 | |
| 6a29 | Longitudinal | — | 61 | Varies | 3256 | |
| 6a31 | Longitudinal | — | 61 | Varies | 3554 | |
| 6a33 | Longitudinal | — | 61 | Varies | 3928 | |
| 6b1 | Transverse | — | 1304 | 44'-5 | 86995 | |
| 6b2 | Transverse | — | 1304 | 28'-3 | 57289 | |
| 6b3 | Transverse | — | 1304 | 6'-5 | 12568 | |
| | | | | | TOTAL | 266493 |
| EPOXY COATED | | | | | | |
| 6a14 | Longitudinal | — | 76 | 41'-2 | 4699 | |
| 6a15 | Longitudinal | — | 228 | 39'-5 | 13498 | |
| 6a16 | Longitudinal | — | 152 | 39'-7 | 9037 | |
| 6a17 | Longitudinal | — | 228 | 49'-5 | 16923 | |
| 6a18 | Longitudinal | — | 228 | 41'-3 | 14126 | |
| 6a19 | Longitudinal | — | 304 | 47'-7 | 21727 | |
| 6a20 | Longitudinal | — | 228 | 38'-1 | 13042 | |
| 6a21 | Longitudinal | — | 304 | 38'-0 | 17351 | |
| 6a22 | Longitudinal | — | 152 | 39'-0 | 8904 | |
| 6a23 | Long over Piers | — | 126 | 51'-1 | 9668 | |
| 6a24 | Long over Piers | — | 252 | 42'-4 | 16023 | |
| 6a25 | Long over Piers | — | 199 | 31'-3 | 8871 | |
| 6a26 | Longitudinal | — | 76 | Varies | 3924 | |
| 6a28 | Longitudinal | — | 76 | Varies | 4067 | |
| 6a30 | Longitudinal | — | 76 | Varies | 4438 | |
| 6a32 | Longitudinal | — | 76 | Varies | 4904 | |
| 7b1 | Transverse | — | 1304 | 45'-3 | 120608 | |
| 7b2 | Transverse | — | 1304 | 33'-9 | 89956 | |
| 5c1 | Curb, Transverse | — | 2224 | 5'-9 | 13338 | |
| 5c2 | Curb, Transverse | — | 2224 | 5'-3 | 12178 | |
| 5c3 | Curb, Transverse | — | 2242 | 2'-7 | 6041 | |
| 5c4 | Curb, Transverse | — | 2242 | 3'-4 | 7794 | |
| 5d3 | Curb, Longitudinal | — | 196 | 41'-0 | 8392 | |
| 5d4 | Curb, Longitudinal | — | 210 | 39'-5 | 8633 | |
| 5d5 | Curb, Longitudinal | — | 196 | 41'-6 | 8484 | |
| 5e1 | End Beam | — | 114 | 7'-7 | 902 | |
| 5e2 | End Beam | — | 48 | 7'-9 | 388 | |
| | | | | | TOTAL | 447906 |



NOTES:

Roadway slab shall be placed in sections and in the sequence indicated by circled numbers at 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 74

For detail of longitudinal bar spacing, see Sheet 74

For "Light Pole Base Details", see Sheet 105 and 106

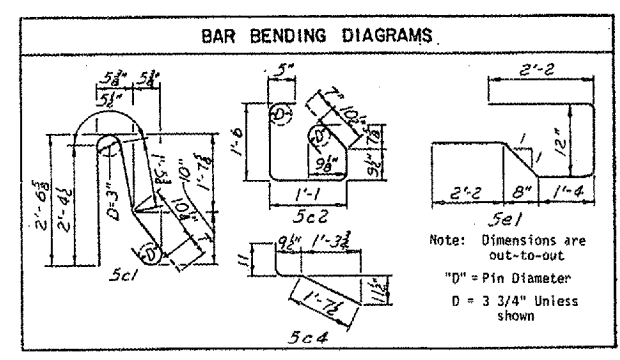
For "Drain Details", see Sheets 98 and 99

For location of drains see Sheet 25, 26 and 27

5'-0 each side of Joint 2 shall be poured after both Unit 1 and 2 are completed and expansion joint is in place.

| CONCRETE PLACEMENT AND SLAB REINFORCEMENT PLAN-UNIT 2 | |
|---|--|
| CURVE DATA | |
| P. I. Sta. 69+14.85 | |
| A = 33°31'48.3" | |
| D = 5°30'00.0" | |
| T = 313.83' | |
| L = 609.64' | |
| E = 46.24' | |
| R = 1041.74' | |

| BENCH MARKS | |
|-------------|---|
| PMB No. 2 | Found chiseled "M" 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 |



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

FOR INFORMATION ONLY

MISSISSIPPI RIVER BRIDGE
KEOKUK, IOWA - HAMILTON, ILLINOIS

STEEL ALTERNATE
DESIGN FOR 0° SKEW
3340' x 64' CONTINUOUS WELDED PLATE GIRDER BRIDGE

SLAB PLAN-UNIT 2

STA. 90+40.00
RIVER MILE 263.9
LEE COUNTY, IOWA

PROJECT NO. BRP-19-(13)-38-86
HANCOCK COUNTY, ILLINOIS

DESIGN SHEET 72 OF