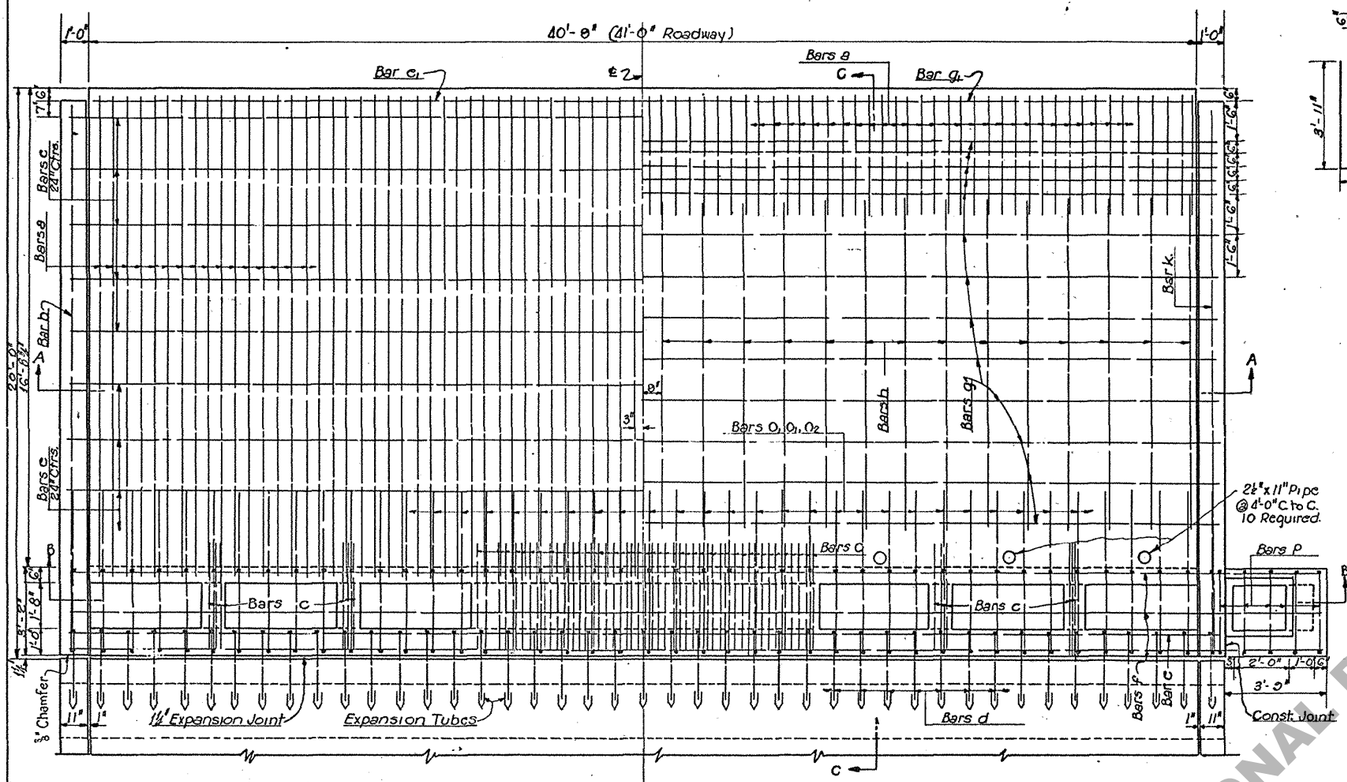
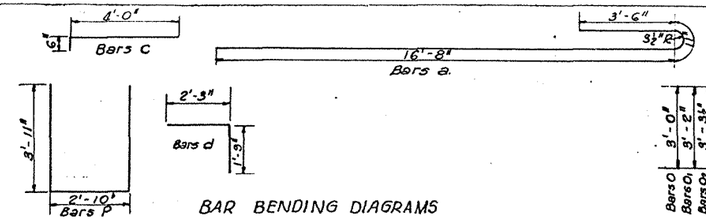


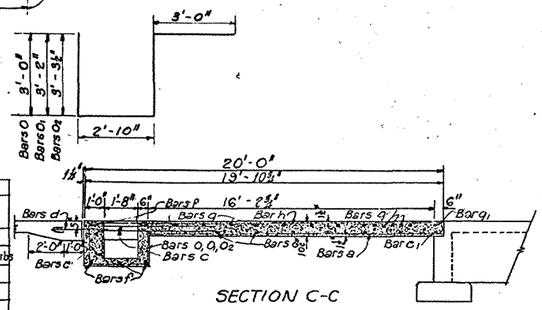

PLAN WITHOUT CASTINGS

Left Half Showing Reinforcing in Bottom Slab and Catch Basin — Right Half Showing Reinforcing in Top of Slab and Bottom of Catch Basin

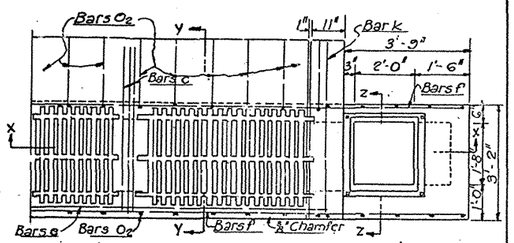



BAR BENDING DIAGRAMS

| BILL OF REINFORCING STEEL | | | | | | |
|---|---|---|---|---|---|---|
| MARK | SIZE | SPACING | 41' ROADWAY No | UNIT LENGTH | TOTAL LENGTH | LOCATION |
| a | ¾"φ | 6" | 80 | 21'- 1" | 1686'- 8" | Longit. in Bottom of Slab. |
| b | ✓ | — | 2 | 19'- 0" | 38'- 0" | " " " " " under Curbs |
| c | ✓ | — | 61 | 4'- 6" | 274'- 6" | " Thru Struts. |
| d | ✓ | 12" | 48 | 4'- 0" | 172'- 0" | Dowels to Roadway Slab. |
| | | | | | | |
| TOTAL ¾"φ BARS | | | | 3261 Lbs. | 2171'- 2" | |
| e | ⅝"φ | 24" | 11 | 42'- 3" | 464'- 9" | Transv. in Bott. slab. & Catch Basin |
| e1 | ✓ | PLAN | 1 | 40'- 6" | 40'- 6" | " " " " at Bridge end. |
| f | ✓ | SEC. Z-Z | 5 | 46'- 0" | 230'- 0" | " " Walls and Bottom of Catch Basin |
| g | ✓ | PLAN | 13 | 42'- 3" | 549'- 3" | " " Top of Slab. |
| g1 | ✓ | PLAN | 1 | 40'- 6" | 40'- 6" | " " " " " at Bridge end. |
| h | ✓ | 18" | 28 | 12'- 0" | 336'- 0" | Longit. in Top of Slab. |
| K | ✓ | — | 2 | 19'- 0" | 38'- 0" | " " Curbs. |
| O | ✓ | 12" | 4 | 11'- 10" | 47'- 4" | Hoops in Catch Basins. |
| O1 | ✓ | 12" | 5 | 12'- 2" | 60'- 10" | " " " " |
| O2 | ✓ | 12" | 34 | 12'- 5" | 422'- 2" | " " " " |
| P | ✓ | 11" | 5 | 10'- 8" | 53'- 4" | " " " " |
| | | | | | | |
| TOTAL ⅝"φ BARS | | | | 1940 Lbs. | 2282'- 8" | |




SECTION C-C



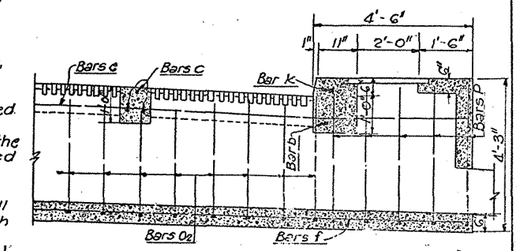

PART PLAN SHOWING GRATE "G" & FRAME "F" IN PLACE

## GENERAL NOTES

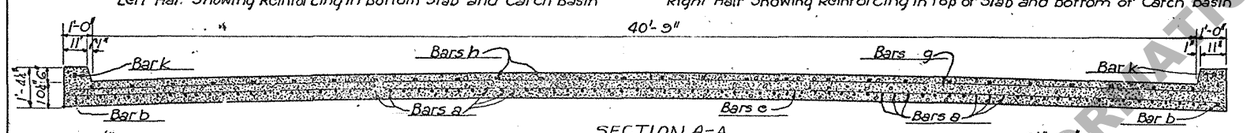
Louisiana Highway Commission Specifications Shall Govern.
Concrete shall be Class A-A.
All Reinforcing Steel shall be Deformed Bars, except the ¾"φ Dowel Bars d, which shall be round and smooth.
The Sub-Grade shall be prepared as described in pamphlet G, paragraph 3C.31.
The Slab shall be finished as described in pamphlet G, paragraph 3C.33, except that no finishing machine shall be required.
The Slab shall be protected and cured as described in pamphlet G, paragraphs 3C.34, 3C.35, & 3C.36.
The 2'-0" section of dowel bars d, which enter the paving slab shall be dipped in heavy oil, or painted with grease prior to placing.
Curbs shall be poured monolithic with Slab.
All Castings shall be true to dimensions and all exposed or bearing surfaces shall have a smooth finish.
Cast Iron shall be Paid for as Structural Steel.
Cast Iron Specifications: ATSM-A-48-36 or subsequent amendment: Class 30.

| QUANTITIES FOR ONE APPROACH SLAB | | |
|---|---|---|
| ITEM | UNIT | 41' ROADWAY |
| CLASS "AA" CONC. | Cu. Yds. | 35.15 |
| REINFORCING STEEL | Lbs. | 5201 |
| CAST IRON | Lbs. | 2820 |
| 15" C.M. PIPE | Lin. Ft. | * 60 |

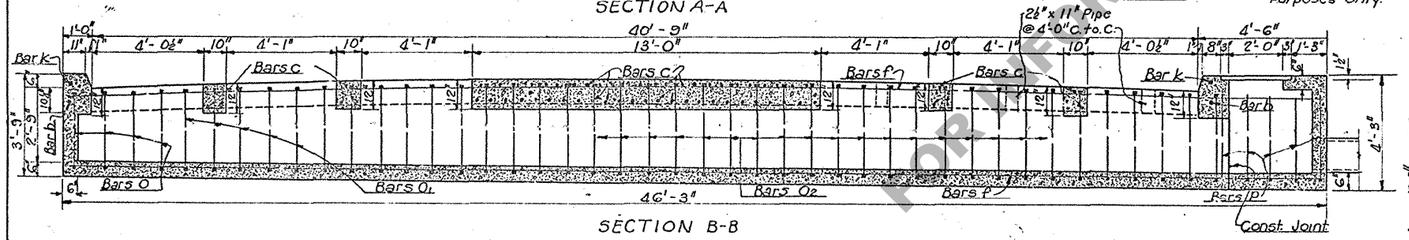
* Length shown are for Estimating Purposes Only.



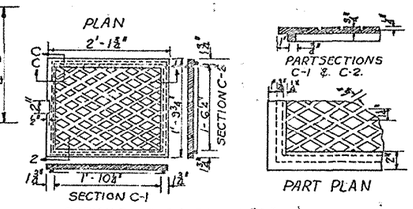

SECTION X-X



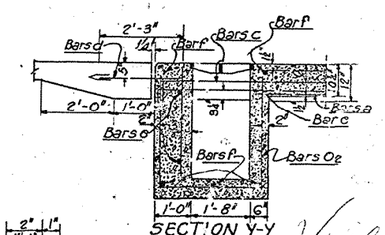

SECTION A-A



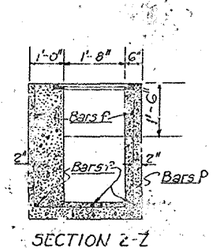

SECTION B-B




DETAILS OF C.I. COVER "C"

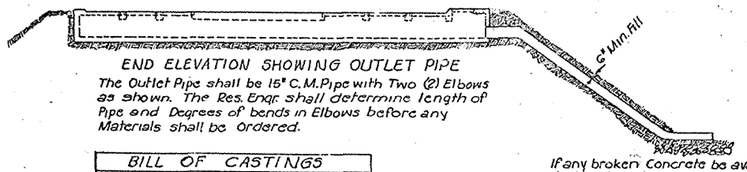



SECTION Y-Y




SECTION Z-Z

Void 12-21-45

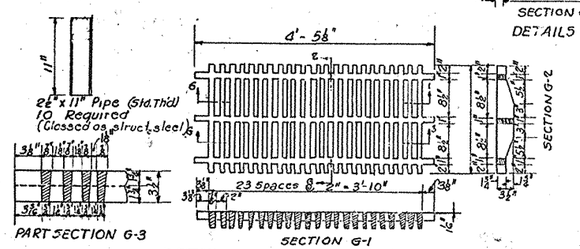



END ELEVATION SHOWING OUTLET PIPE

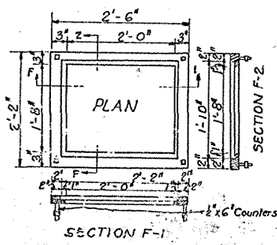
The Outlet Pipe shall be 15" C.M. Pipe with Two (2) Elbows as shown. The Res. Engr. shall determine length of Pipe and Degrees of bends in Elbows before any Materials shall be Ordered.

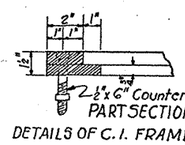
If any broken Concrete be available, it shall be used as Rip-Rap, at discharge end of Pipe as directed by Res. Engr.

| BILL OF CASTINGS | | | |
|---|---|---|---|
| ITEM | UNIT WEIGHT | 41' ROADWAY No. | WEIGHT |
| C.I. GRATES "G" | 430 | 6 | 2580 |
| C.I. COVER "C" | 130 | 1 | 130 |
| C.I. FRAME "F" | 110 | 1 | 110 |
| TOTAL WEIGHT | | | 2820 |




DETAILS OF C.I. GRATE "G"




PART SECTIONS F-1 & F-2

DETAILS OF C.I. FRAME "F"

STANDARD PLAN
R. C. CATCH BASIN & APPROACH SLAB
FOR
41'-0" ROADWAY BRIDGE

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. August 20th, 1934

| Date | Description | By |
|---|---|---|
| 11-6-58 | Exp. Joint | S.L. |

REVISIONS

Designed: C.M.P. Traced: C.M.P.
Checked: D.G. Checked: P.L.
In Charge of: Designing Engineer

C-M-36

FOR INFORMATIONAL PURPOSES ONLY