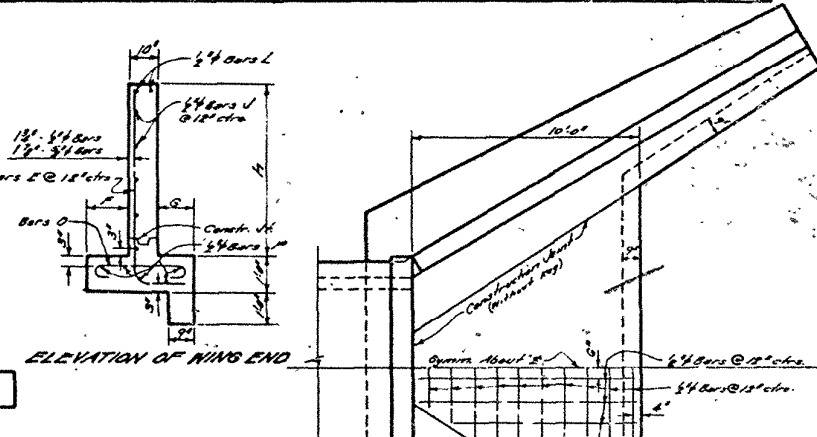
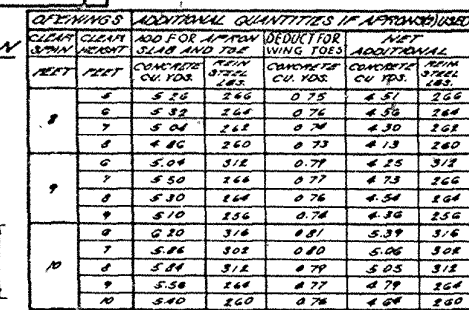


[illegible]

LONGITUDINAL SECTION



260 APRON DETAILS  
APRON TO BE USED ONLY WHEN CALLED FOR ON PLANS  
Note: Depth of Two Under Wings Equals 110".

| OPENINGS      |                 |         |                               | DIMENSIONS |                |                 |         |            |           |            |                |           |         |            |         |         |         |         |         |          | QUANTITIES             |          |                      |      | OPENINGS        |               |
|---------------|-----------------|---------|-------------------------------|------------|----------------|-----------------|---------|------------|-----------|------------|----------------|-----------|---------|------------|---------|---------|---------|---------|---------|----------|------------------------|----------|----------------------|------|-----------------|---------------|
| OPENINGS      |                 |         | X<br>(MAX. FILL)<br>SLAB WALL | BARREL     |                | WINGS AND CURBS |         |            |           |            |                |           |         |            |         |         |         |         |         |          | PER LIN. FT.<br>BARREL |          | FOR 4'-0"<br>CULVERT |      | CLEAR<br>HEIGHT | CLEAR<br>SPAN |
| CLEAR<br>SPAN | CLEAR<br>HEIGHT | AREA    |                               | T          | T <sub>2</sub> | H               | D       | S          | L         | h          | h <sub>2</sub> | E         | N       | M          | F       | G       | V       | K       | STEEL   | CONCRETE | STEEL                  | CONCRETE |                      |      |                 |               |
| FEET          | FEET            | SQ. FT. | FT. FT.                       | IN.        | IN.            | FT. IN.         | FT. IN. | FT. IN.    | FT. IN.   | FT. IN.    | FT. IN.        | IN.       | FT. IN. | FT. IN.    | FT. IN. | FT. IN. | FT. IN. | FT. IN. | FT. IN. | FT. IN.  | FT. IN.                | FT. IN.  | FEET                 | FEET |                 |               |
| 8             | 5               | 40      | 10                            | 27         | 11             | 8 1/2           | 6'-5    | 11'-11     | 6'-10 1/2 | 13'-9      | 3'-5 1/2       | 3'-11 1/2 | 5 1/2   | 21'-9      | 9'-11   | 0'-9    | 0'-9    | 1'-7    | 1'-5    | 121.23   | 0.9110                 | 6545     | 60.26                | 5    | 8               |               |
|               | 6               | 48      | 10                            | 18         | 11             | 8 1/2           | 7'-5    | 13'-9 1/2  | 7'-11 1/2 | 15'-10 1/2 | 3'-11 1/2      | 3'-5 1/2  | 5 1/2   | 23'-10 1/2 | 9'-11   | 0'-11   | 0'-10   | 2'-0    | 1'-7    | 125.35   | 0.9635                 | 6972     | 67.82                | 6    |                 |               |
|               | 7               | 56      | 10                            | 12         | 11             | 8 1/2           | 8'-5    | 15'-7 1/2  | 9'-0 1/2  | 18'-0 1/2  | 4'-0 1/2       | 3'-10 1/2 | 5 1/2   | 26'-0 1/2  | 9'-11   | 1'-1    | 1'-0    | 2'-2    | 1'-11   | 129.47   | 1.0160                 | 7802     | 75.98                | 7    |                 |               |
|               | 8               | 64      | 10                            | 8          | 11             | 8 1/2           | 9'-5    | 17'-5 1/2  | 10'-1 1/2 | 20'-2 1/2  | 5'-0 1/2       | 4'-4 1/2  | 5 1/2   | 28'-2 1/2  | 9'-11   | 1'-3    | 1'-1    | 2'-7    | 2'-0    | 133.58   | 1.0635                 | 8615     | 84.78                | 8    |                 |               |
| 9             | 6               | 64      | 15                            | 21         | 12             | 9 1/2           | 7'-6    | 13'-11 1/2 | 8'-0 1/2  | 16'-1      | 4'-0 1/2       | 3'-5 1/2  | 5 1/2   | 25'-1      | 10'-11  | 0'-11   | 0'-10   | 2'-0    | 1'-7    | 136.68   | 1.1451                 | 7520     | 76.54                | 6    | 9               |               |
|               | 7               | 63      | 15                            | 15         | 12             | 9 1/2           | 8'-6    | 15'-9 1/2  | 9'-11 1/2 | 18'-0 1/2  | 5'-0 1/2       | 3'-11 1/2 | 5 1/2   | 27'-2 1/2  | 10'-11  | 1'-1    | 1'-0    | 2'-2    | 1'-10   | 140.60   | 1.2037                 | 8356     | 84.72                | 7    |                 |               |
|               | 8               | 72      | 15                            | 10         | 12             | 9 1/2           | 9'-6    | 17'-7 1/2  | 10'-2 1/2 | 20'-4 1/2  | 5'-1 1/2       | 4'-6 1/2  | 5 1/2   | 29'-4 1/2  | 10'-11  | 1'-3    | 1'-1    | 2'-7    | 2'-0    | 144.32   | 1.2624                 | 9144     | 90.38                | 8    |                 |               |
|               | 9               | 81      | 15                            | 7          | 12             | 9 1/2           | 10'-6   | 19'-5 1/2  | 11'-3     | 22'-6      | 5'-7 1/2       | 4'-10 1/2 | 5 1/2   | 31'-6      | 10'-11  | 1'-5    | 1'-2    | 2'-10   | 2'-2    | 148.83   | 1.3210                 | 9877     | 103.73               | 9    |                 |               |
| 10            | 6               | 60      | 15                            | 26         | 13             | 10 1/2          | 7'-7    | 14'-1      | 8'-1 1/2  | 16'-3 1/2  | 4'-0 1/2       | 3'-6 1/2  | 1 1/2   | 26'-3      | 11'-11  | 0'-11   | 0'-10   | 2'-0    | 1'-7    | 163.23   | 1.3410                 | 8740     | 85.86                | 6    | 10              |               |
|               | 7               | 70      | 15                            | 19         | 13             | 10 1/2          | 8'-7    | 15'-11 1/2 | 9'-2 1/2  | 18'-4 1/2  | 4'-7 1/2       | 3'-11 1/2 | 1 1/2   | 28'-4 1/2  | 11'-11  | 1'-1    | 1'-0    | 2'-2    | 1'-10   | 167.72   | 1.4058                 | 9606     | 94.60                | 7    |                 |               |
|               | 8               | 80      | 15                            | 14         | 13             | 10 1/2          | 9'-7    | 17'-9 1/2  | 10'-3 1/2 | 20'-5 1/2  | 5'-7 1/2       | 4'-5 1/2  | 1 1/2   | 30'-5      | 11'-11  | 1'-5    | 1'-1    | 2'-7    | 2'-0    | 172.18   | 1.4707                 | 10396    | 104.13               | 8    |                 |               |
|               | 9               | 90      | 15                            | 10         | 13             | 10 1/2          | 10'-7   | 19'-7 1/2  | 11'-0 1/2 | 22'-8 1/2  | 5'-8           | 4'-11     | 1 1/2   | 32'-8 1/2  | 11'-11  | 1'-5    | 1'-2    | 3'-10   | 2'-2    | 176.65   | 1.5353                 | 11153    | 114.02               | 9    |                 |               |
|               | 10              | 100     | 15                            | 7          | 13             | 10 1/2          | 11'-7   | 21'-0      | 12'-5     | 24'-10     | 6'-2 1/2       | 5'-4 1/2  | 1 1/2   | 34'-10     | 11'-11  | 1'-7    | 1'-4    | 3'-2    | 2'-4    | 181.12   | 1.6093                 | 12372    | 124.84               | 10   |                 |               |

GENERAL NOTES:  
Construction Specs: Latest Approved by Dept of Highways Standard Specifications.  
Design Specifications: R. S. M. A. 1957, as Amended to Dec. 31, 1958.  
Use Road: R20-S10-44 (Modified).  
All Concrete to be Class "A".  
All exposed corners to be chamfered  $\frac{3}{4}$ " unless otherwise noted.  
Reinforcement shall be Intermediate or Hard Grade, A.S.T.M. A95 or Rail Steel, A.S.T.M. A66 conforming to A.S.T.M. A305.  
Dimensions relating to Reinforcing Steel are to bar centers.  
Place 2 cu ft. of large size Gravel or loose Rock behind curb around each weep hole.  
When Culvert is located at a site subject to scour, the toe wall shall be made deeper, or Rip-Rap placed around base of Toe Wall to prevent scour.  
For Details of Expansion and Construction Joints, See Std. Plan CM-49.

VOID  
RETRACED  
12/15

**STANDARD PLAN**  
**REINFORCED CONCRETE BOX CULVERTS**  
 8 FT. TO 10 FT. CLEAR SPAN  
 5 FT. TO 10 FT. CLEAR HEIGHT  
 4:1 SLOPE

|                                                       |                            |                            |
|-------------------------------------------------------|----------------------------|----------------------------|
| DATED <i>1-22</i> 19 <i>45</i> .                      |                            |                            |
| STATE OF LOUISIANA<br>DEPARTMENT OF HIGHWAYS          |                            |                            |
| DESIGNED <i>Huey</i>                                  | DETAILED <i>Huey</i>       | TRACED <i>Huey</i>         |
| CHECKED <i>Huey</i>                                   | CHECKED <i>HUEY C.M.P.</i> | CHECKED <i>HUEY C.M.P.</i> |
| IN CHARGE OF <i>J. B. B. B.</i> HEAD BRIDGE DRAFTSMAN |                            |                            |