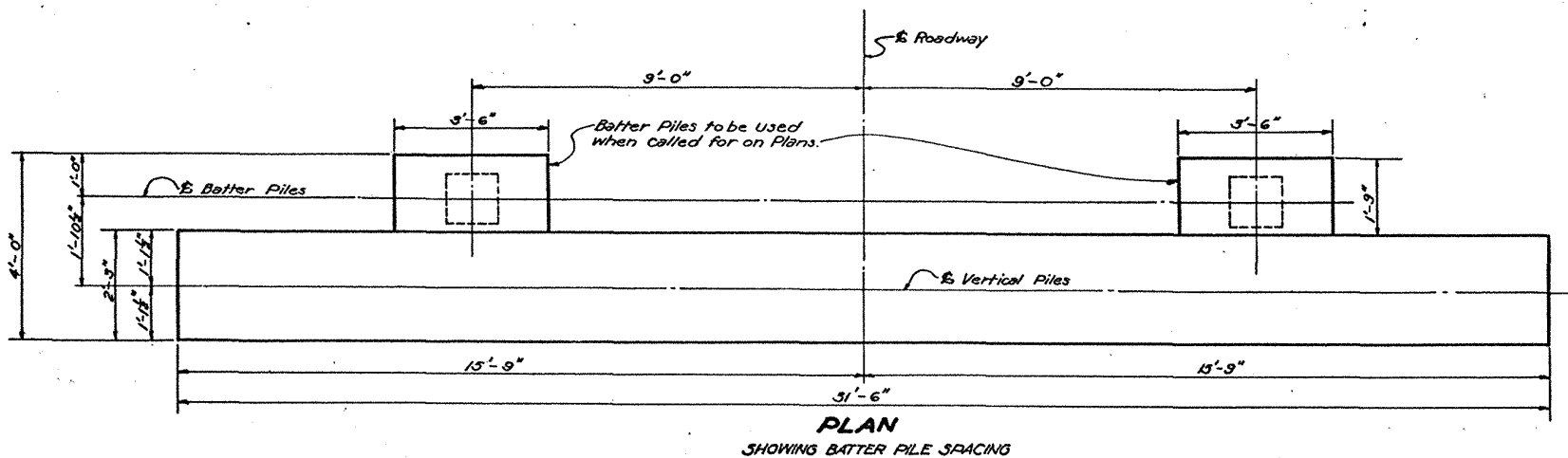
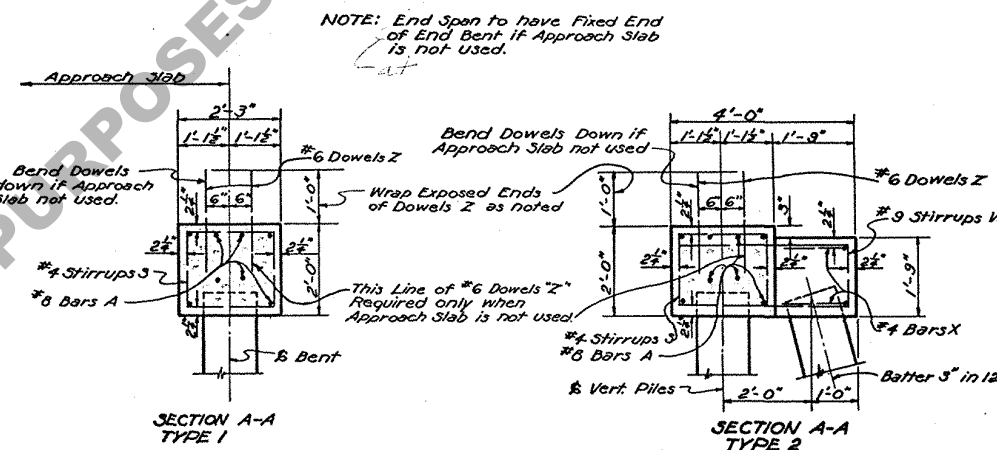
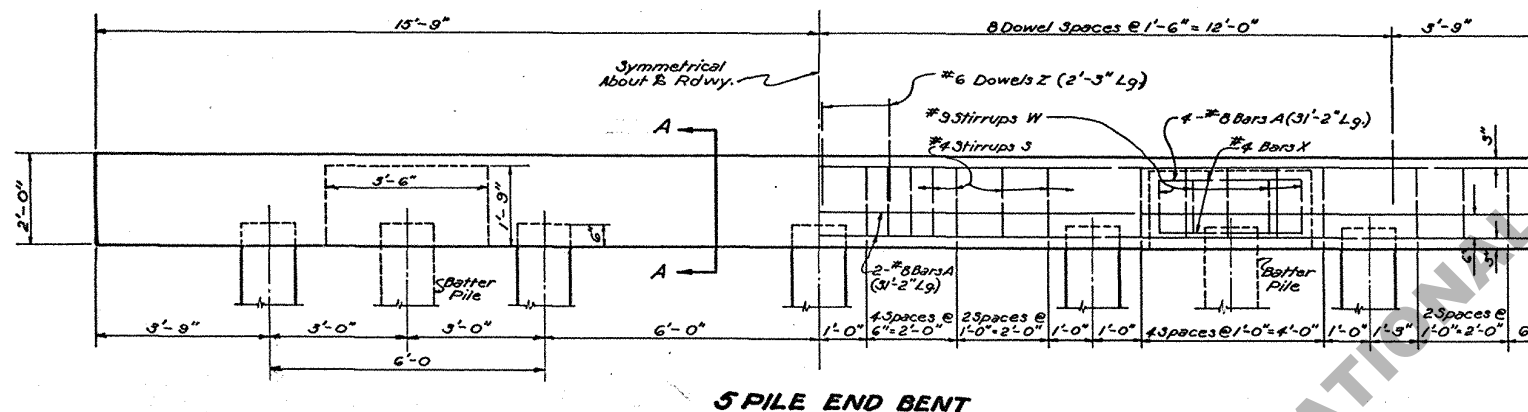




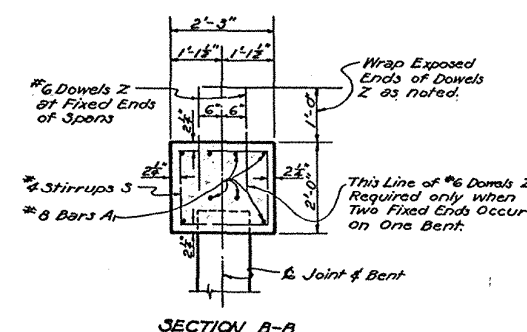
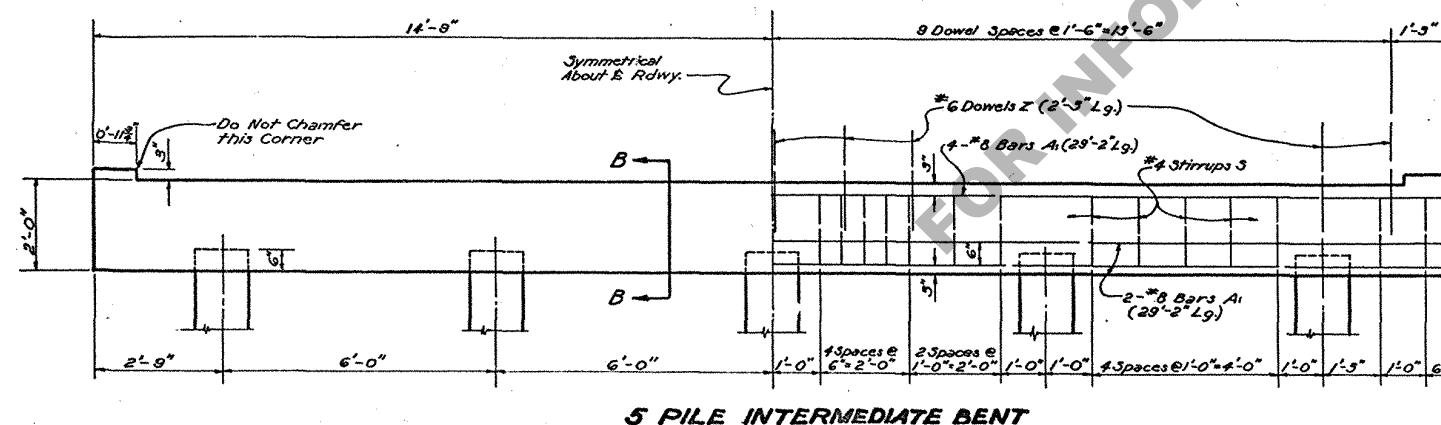
| TYPE OF END BENT REQUIRED |                      |         |                |
|---------------------------|----------------------|---------|----------------|
| END BENT                  | GROUND TO GRADE FEET | SUBSOIL | BATTERED PILES |
| TYPE 1                    | 0-5                  | Poor    | 0              |
|                           | 0-8                  | Good    |                |
| TYPE 2                    | 5-10                 | Poor    | 2              |
|                           | 8-16                 | Good    |                |

| QUANTITIES & PILE LOADS  |                             |                                 |                             |
|--------------------------|-----------------------------|---------------------------------|-----------------------------|
| ITEM TYPE                | Class "A" Concrete Cu. Yds. | Deformed Reinforcing Steel Lbs. | Average Pile Load Tons/Pile |
| <b>5 PILE END BENT *</b> |                             |                                 |                             |
| TYPE 1                   | 5.12                        | 831                             | 25.9                        |
| TYPE 2                   | 5.87                        | 1204                            | 25.9                        |
| <b>INTERMEDIATE BENT</b> |                             |                                 |                             |
| 5 PILES                  | 4.79                        | 837                             | 25.9                        |

\* To Provide for Future Extension of Bridge, the End Bents are Designed for Same Load as Intermediate Bents.  
NOTE: Add 64 Lbs. of Reinf. Steel (19 #6 Dowels Z) When Two Fixed Ends Occur on one Inter. Bent. Add 64 Lbs. of Reinf. Steel (19 #6 Dowels Z) when Approach Slab is not used at End Bent.



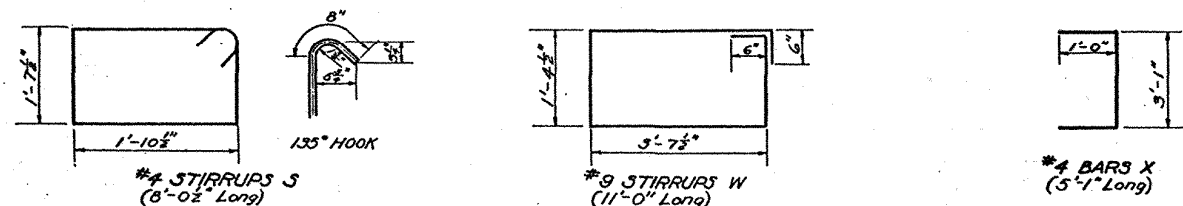
NOTE: End Span to have Fixed End of End Bent if Approach Slab is not used.



**GENERAL NOTES:**  
Construction Specifications: Latest Approved Louisiana Department of Highways Standard Specifications.  
Design Specifications: AASHO, 1949, as Amended Dec. 1950.  
Live Load: H20-S16-44. Dead Load: Calculated Weight of Materials.  
All Dimensions Relating to Reinforcing Steel are to Bar Centers.  
Reinforcing Bars shall be Intermediate or Hard Grade, A.S.T.M. A15, or Rail Steel, A.S.T.M. A16.  
All #6 Dowels Z are to be Wrapped with 2 Layers of 15 Lb. Tar Paper. Close Fitting Tubes made of Compressible Material not less than 1/8" Thick may be Substituted for Tar Paper Wrapping.  
All Corners to be Chamfered 1/2" Unless Otherwise Noted.  
Quantities Computed Assuming the Use of 14" Piles.  
All Concrete to be Class "A".

Max. Pile Loads Unless Otherwise Instructed By Bridge Design Section.  
14" R.C. Piles = 28 Tons Per Pile.  
16" R.C. Piles = 32 Tons Per Pile.

NOTE: For Details of Concrete Piles See Std. Plan C.S.-149



| STANDARD PLAN<br>REINFORCED CONCRETE PILE BENTS<br>FOR CONCRETE SLAB SPANS<br>24 FT. SPAN - H20-S16-44 LOADING<br>26'-0" CLEAR ROADWAY - 1'-6" SIDEWALKS<br>TO BE USED WITH STD. PLAN C.F.S. 9-20<br>DATED 12-22-57 |                            |                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------|--|
| STATE OF LOUISIANA<br>DEPARTMENT OF HIGHWAYS                                                                                                                                                                        |                            |                             |  |
| DESIGNED <i>Hutchinson</i>                                                                                                                                                                                          | DETAILED <i>Hutchinson</i> | TRACED <i>G. J. Johnson</i> |  |
| CHECKED <i>Leup</i>                                                                                                                                                                                                 | CHECKED <i>Leup</i>        | CHECKED <i>Hutchinson</i>   |  |
| BRIDGE DESIGN SECTION                                                                                                                                                                                               |                            |                             |  |