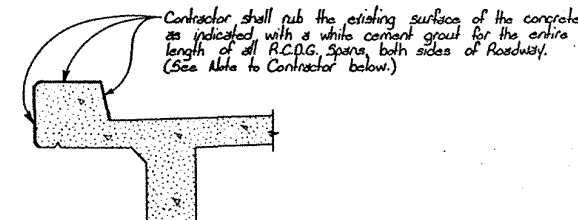


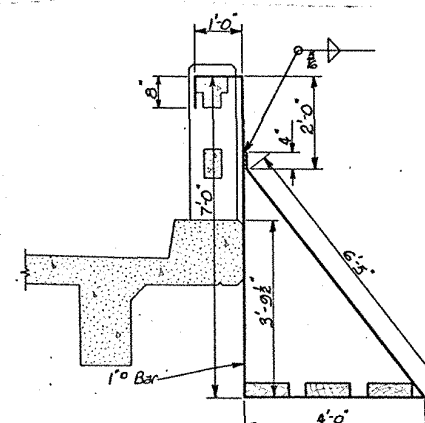
| STATE PROJECT | PARISH | SHEET NO. |
|---------------|--------|-----------|
|               |        |           |

**GENERAL NOTES:**  
 Construction Specifications: Latest Approved La. Dept. of Highways Std. Specs.  
 Reinforcement Bars shall be Intermediate or Hard Grade, A.S.T.M. A15, or  
 Rail Steel, A.S.T.M. A16 conforming with A.S.T.M. A305.  
 All Concrete to be Class "A".  
 All Hardware to be Hot Dipped Galvanized.  
 Dimensions relating to Reinforcing Steel are to Bar Centers.



**PART SECTION**  
 (Showing Limits of White Cement Grout)

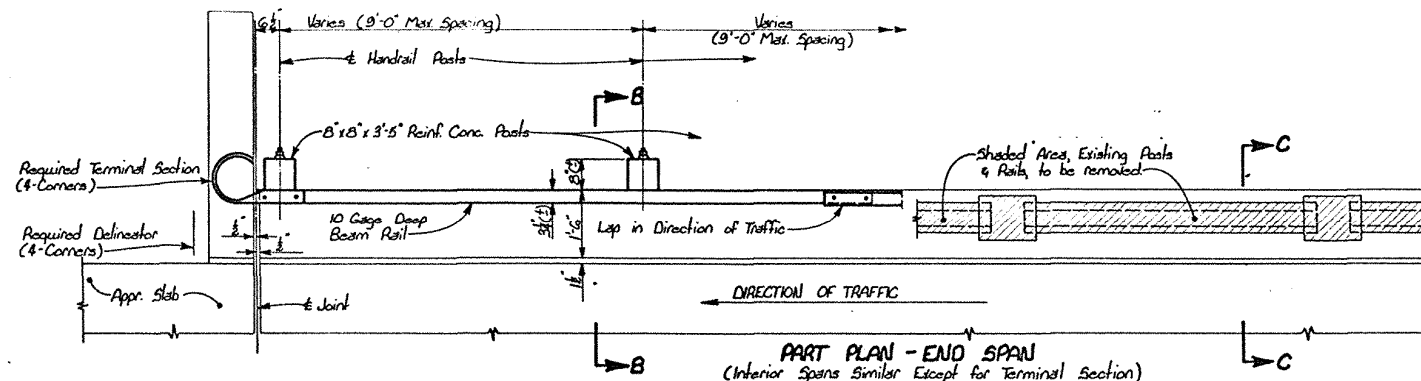
**NOTE TO CONTRACTOR:**  
 The white cement grout shall be composed of two parts of White Cement (Atlas or approved equal) and one part sand passing the #16 sieve. Prior to placing the grout the concrete shall be thoroughly cleaned by wire brushing or other approved means and immediately before starting this work, the concrete shall be kept thoroughly saturated with water for a minimum period of three hours. When the grout is set hard, it shall be given a final rub as specified under Class 2-Rubbed Finish in the Std. Specs.



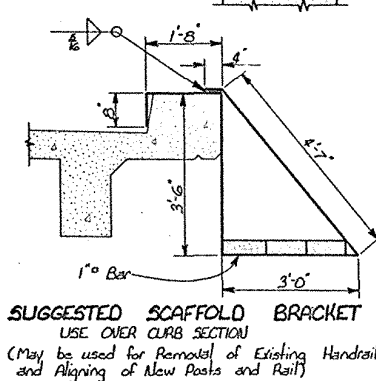
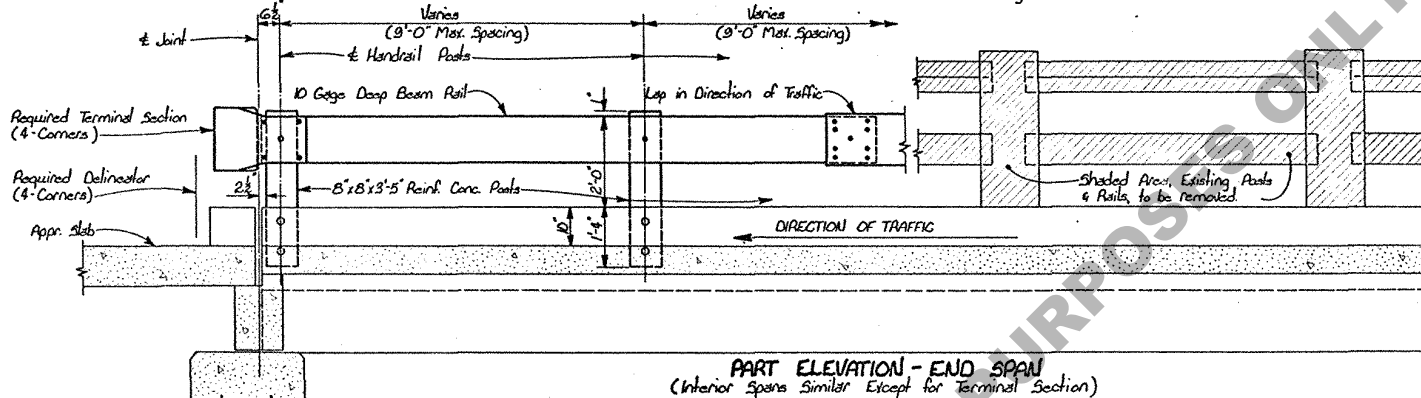
**SUGGESTED SCAFFOLD BRACKET**  
 USE ON EXISTING HANDRAIL  
 (May be used in Drilling Holes and Setting Bolts and Posts for New Handrail.)

| STANDARD PLAN<br>DETAILS FOR<br>REPLACING CONCRETE HANDRAIL<br>WITH<br>10 GAGE DEEP BEAM HANDRAIL |                           |                        |
|---------------------------------------------------------------------------------------------------|---------------------------|------------------------|
| DATED Aug. 16, 1960                                                                               |                           |                        |
| STATE OF LOUISIANA<br>DEPARTMENT OF HIGHWAYS                                                      |                           |                        |
| DESIGNED                                                                                          | DETAILED <i>Eastman</i>   | TRACED <i>C. Joy</i>   |
| CHECKED                                                                                           | CHECKED <i>M.O. Soyas</i> | CHECKED <i>Eastman</i> |
| BRIDGE DESIGN SECTION                                                                             |                           |                        |

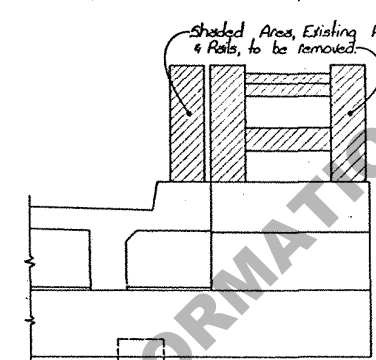
| DATE | DESCRIPTION | BY |
|------|-------------|----|
|      |             |    |



**NOTE TO CONTRACTOR:**  
 When new concrete is to be bonded to existing concrete surfaces and/or where grout is placed as a patch to existing concrete surface to finish said surface, the contractor shall coat the existing concrete surface with an adhesive such as "Triplex" Liquid Polymer Epoxy or approved equal, which shall be placed in accordance with manufacturer's instructions prior to placing new concrete or grout.



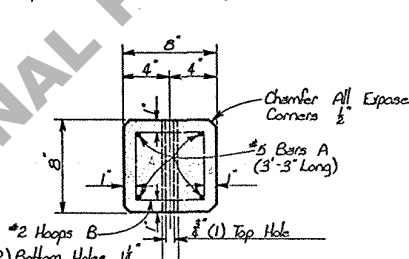
**SUGGESTED SCAFFOLD BRACKET**  
 USE OVER CURB SECTION  
 (May be used for Removal of Existing Handrail and Aligning of New Posts and Rail)



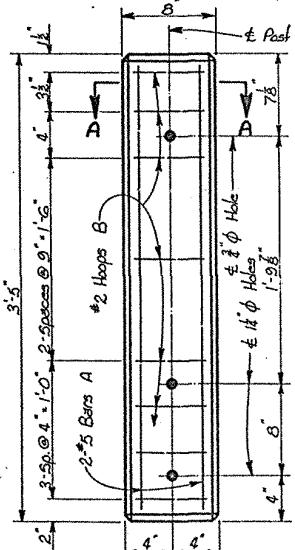
**PART END ELEVATION AT END BENT**



**PLAN  
SHIM DETAILS**

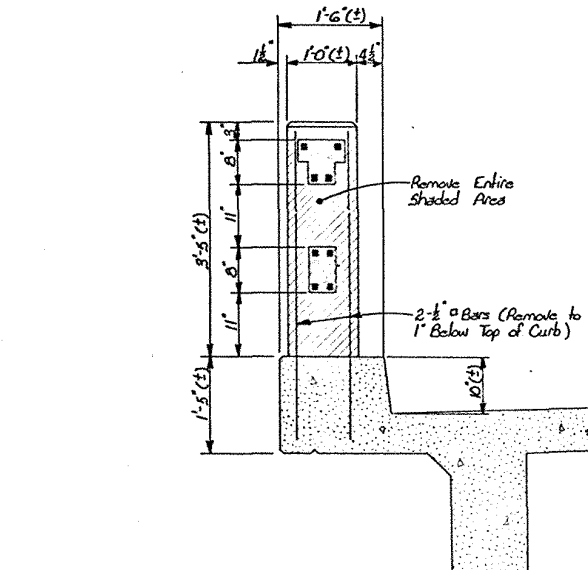


**SECTION A-A**



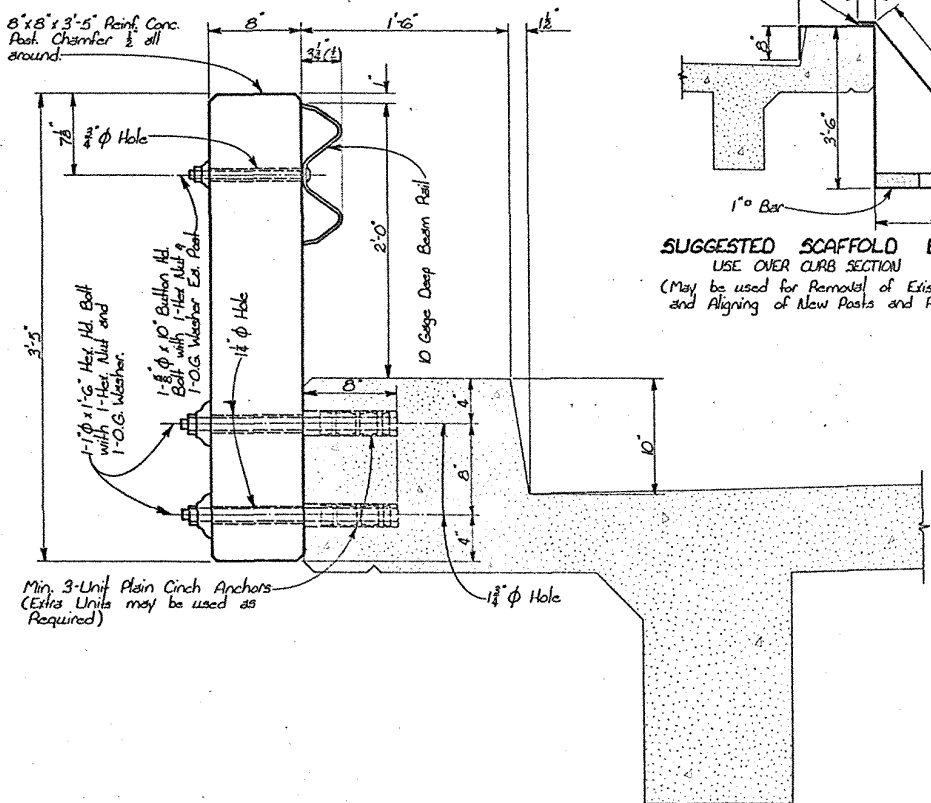
**CONCRETE HANDRAIL POSTS**  
 ESTIMATED QUANTITIES - ONE POST  
 CLASS "A" CONCRETE = 0.06 CU. YDS.  
 DEFORMED REINF. STEEL = 14 LBS.  
 #2 HOOPS (20.0 LIN. FT.) = 3 LBS.

**NOTE:**  
 Contractor to furnish one (1) Shim for each Post.  
 Shims to be used only as required to secure proper alignment of Posts and Rail.  
 Shims to be cut from Standard Wrought Steel Washers.



**SECTION C-C**

**NOTE:**  
 Shaded Areas indicate Sections to be removed. Where Handrail Posts are removed from Curb, the Curb is to be restored to maintain a smooth surface. Removed Materials shall be disposed of beyond the Right of Way by the Contractor.



**SECTION B-B**