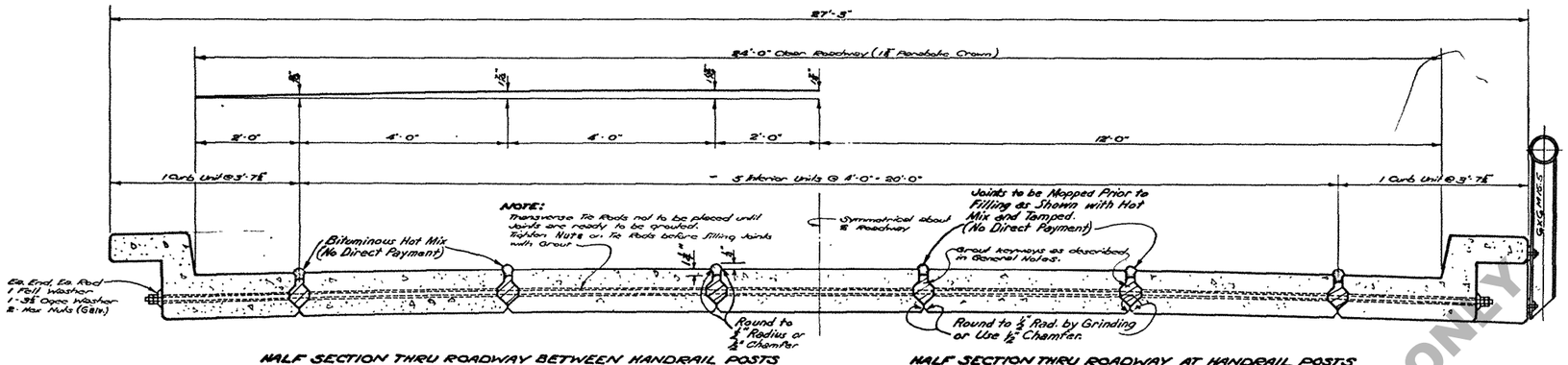
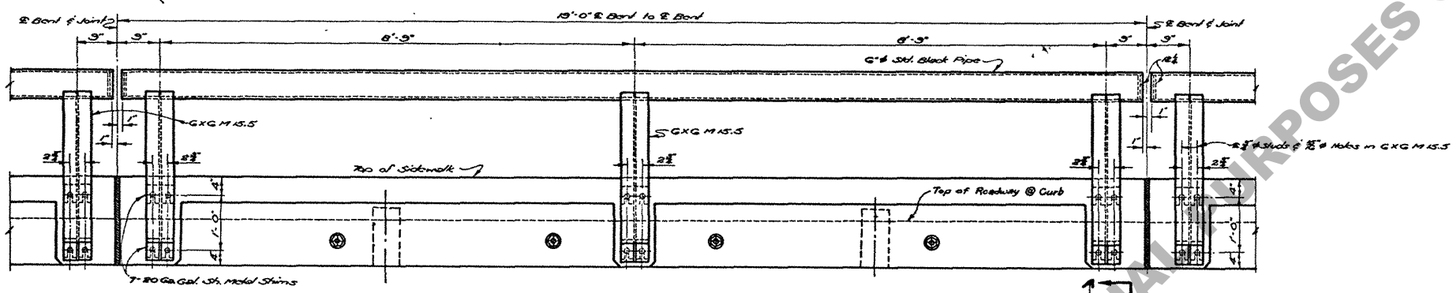
	STATE PROJECT	PARISH	SHEET No.

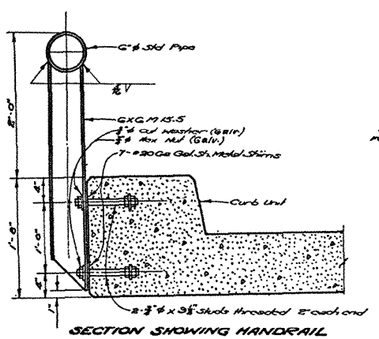


HALF SECTION THRU ROADWAY BETWEEN HANDRAIL POSTS

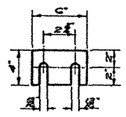
HALF SECTION THRU ROADWAY AT HANDRAIL POSTS



OUTSIDE ELEVATION

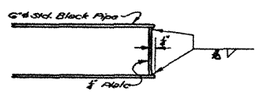


SECTION SHOWING HANDRAIL

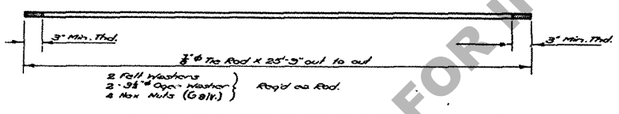


SHIM DETAIL

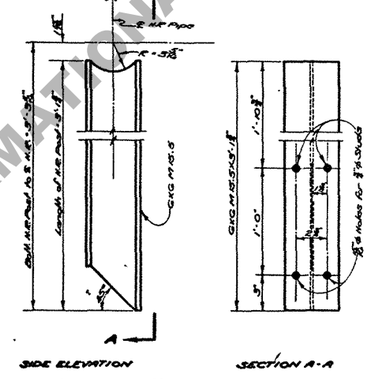
SHIMS OF #20 GA. GAL. SHEET METAL PLACED 14 PER POST; 84 PER SPAN



DETAIL AT END OF PIPE HANDRAIL



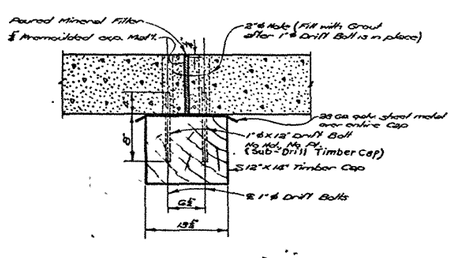
DETAIL TRANSVERSE TIE RODS (STEEL A36)



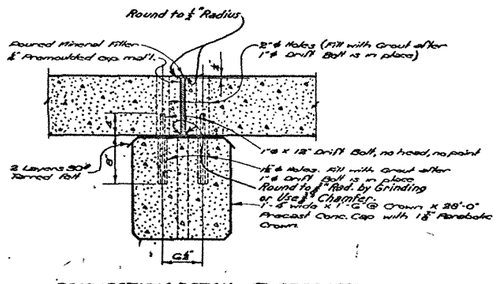
SIDE ELEVATION

SECTION A-A

DETAILS OF HANDRAIL POST



CONNECTION DETAIL AT TIMBER CAP



CONNECTION DETAIL AT PRECAST CONCRETE CAP

TABLE OF MISCELLANEOUS QUANTITIES
ONE (1) COMPLETE SPAN

ITEM	DESCRIPTION	NO. PIECES
Transverse Tie Rods (Hardware)	3/4" ϕ x 25'-3" Steel Rods - Both ends threaded (Steel A36)	4
Roll Washers (Hardware)	3 1/2" ϕ O.D. Roll	8
Ogee Washers (Hardware)	3/8" ϕ Ogee Washers with 3 1/2" ϕ O.D.	8
Nuts for Tie Rods (Hardware)	3/4" ϕ Hex Nuts (Galvanized)	16
Handrail Posts	G X G M 15.5 x 3'-1 1/2" Long	6
Handrail	6" ϕ Std. Black Pipe as detailed	2
Shims (Hardware)	4" x 6" Stalled, #20 Ga. Galvanized Steel Metal Shims	84
Washers for N.R. Studs (Hd'ware)	3/8" ϕ Cut Washers (Galvanized)	24
Nuts for N.R. Studs (Hardware)	3/8" ϕ Hex Nuts (Galvanized)	24
Drift Bolts, No Caps (Hardware)	1" ϕ x 1'-0" Plain Smooth Bars - No Head, No Point	14
Grout	1 Pt by vol. Portland Cement, 2 1/2 pts. by vol. dry Sand	0.72 Cu. Yds.
N.R. Studs (Hardware)	3/8" ϕ x 3 1/2" Threaded 2" on End.	24

TABLE OF MISCELLANEOUS QUANTITIES
ONE (1) BENT

ITEM	DESCRIPTION	QUANTITY
Expansion Material	1/2" Premoulded Expansion Material as detailed	85.3 Sq. Ft.
30# Tarred Felt		As Req'd.

PIPE HANDRAIL QUANTITIES	
One Span	37.67 Lin. Ft.

HANDRAIL NOTE:

6 5/8" O.D. x 3/8" wall thickness structural grade transmission pipe as manufactured by Col. Metal Pipe Corp. of La., or the approved equal, may be substituted for 6" Std. Black Pipe.

GENERAL NOTES:

Construction Specifications: Louisiana Department of Highways Standard Specifications for Roads and Bridges dated July, 1955.
Design Specifications: A.A.S.H.O. 1953 as amended to Dec. 31, 1955
Live Load: H15 - 44
Keyways shall be filled with Grout consisting of one part by volume of Portland Cement, 2 1/2 parts by volume of dry sand, and the minimum amount of water required to produce the required consistency to tamp grout in Keyways.
High early strength cement may be used.
All Hardware to be Plain Unless Otherwise Noted.

DATE	DESCRIPTION	BY
12-13-60	Steel A36 for Tie Rods	KEG
12-30-63	Rev. Keyway & Joint	RSC
1-11-63	REVISED KEYWAY & JOINT	JLP
1-15-60	Note on Hardware & Misc.	LL
1-8-58	See Sheet 2 of 2 for Revs	DLS
5-10-56	Revised Handrail & Reduced	D.A.
2-27-56	Reduced	D.A.

REVISIONS

STANDARD PLAN
PRECAST CONCRETE SLAB SPAN
24'-0" CLEAR ROADWAY 1'-6" SIDEWALKS
19'-0" SPAN
DATED March 21, 1956

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED SLP | DETAILED | TRACED D. Andrews
CHECKED | CHECKED SLP | CHECKED
BRIDGE DESIGN SECTION

FOR INFORMATIONAL PURPOSES ONLY