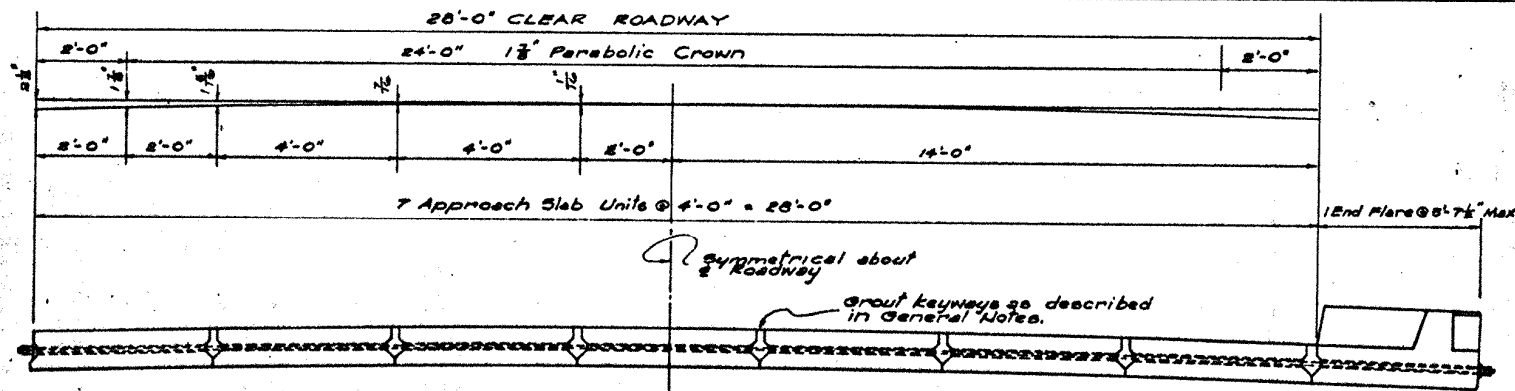
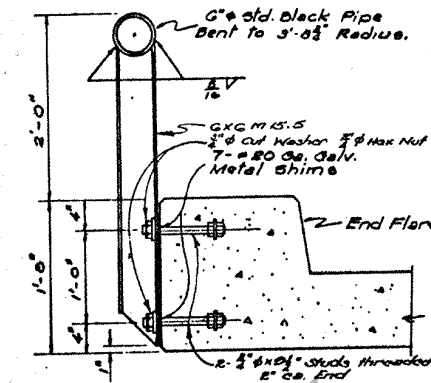
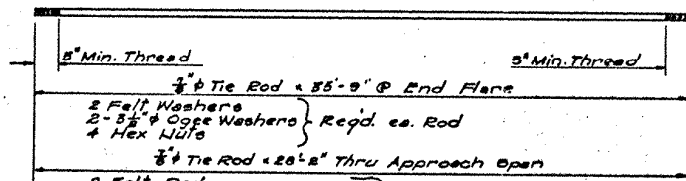




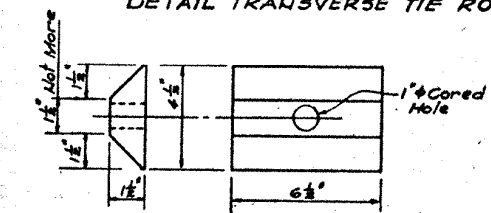
SECTION A-A



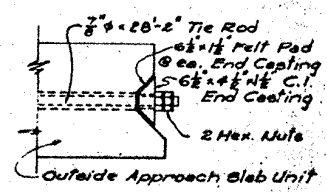
SECTION SHOWING HANDRAIL



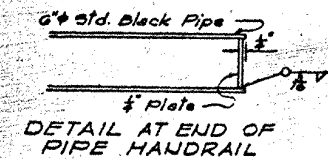
DETAIL TRANSVERSE TIE RODS



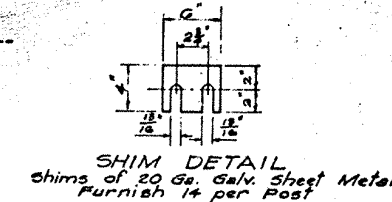
CAST IRON END CASTING FOR 28'-2" TIE RODS



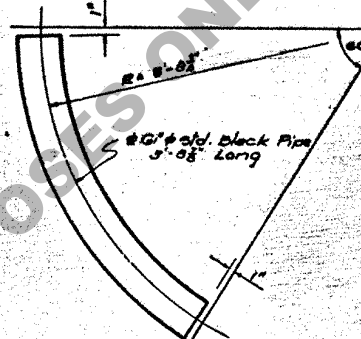
DETAIL AT END OF 28'-2" TIE RODS



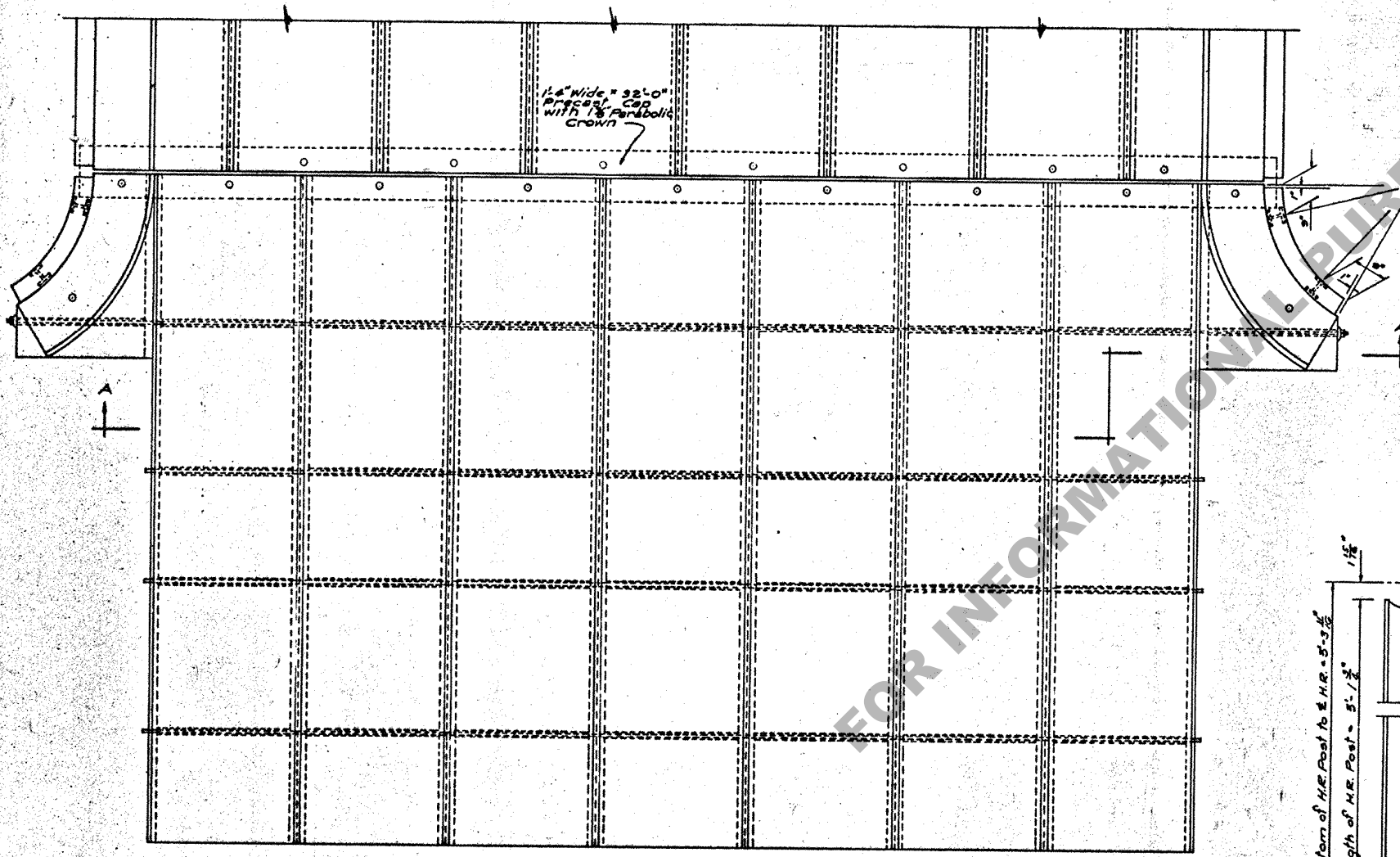
DETAIL AT END OF PIPE HANDRAIL



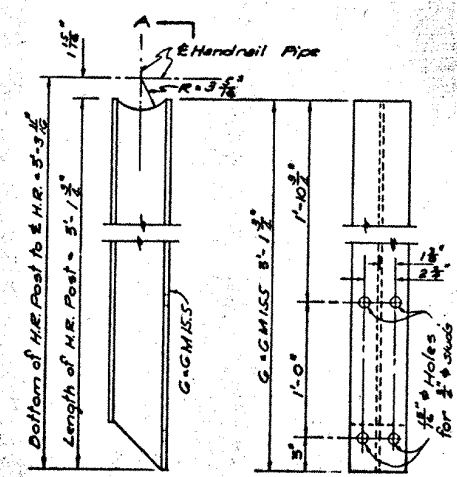
SHIM DETAIL
Shims of 20 Ga. Galv. Sheet Metal
Furnish 14 per Post



DETAIL OF HANDRAIL PIPE FOR END FLARE



PLAN OF BRIDGE APPROACH



SIDE ELEVATION VIEW A-A
DETAILS OF HANDRAIL POSTS

ITEM	DESCRIPTION	NO. PCS.
Transverse Tie Rods	3/4" x 35'-9" Steel Tie Rods - Both Ends Thrd.	2
Transverse Tie Rods	3/4" x 28'-2" Steel Tie Rods - Both Ends Thrd.	6
Felt Washers	3 1/2" x O.D. Felt	4
Felt Pads	6 1/2" x 1 1/2" Felt Pads	12
Ogee Washers	1/2" x Ogee Washers with 3 1/2" x O.D.	4
Nuts for Tie Rods	1/2" x Hex. Nuts (galvanized)	32
C.I. End Castings	6 1/2" x 4 1/2" x 1 1/2" C.I. Casting as Detailed.	12
Hand Rail Posts	6 x 6 x 5.5 x 5'-1 1/2" Posts as Detailed.	8
Hand Rail	6" x 6" Old Black Pipe as Detailed	4
Shims	4" x 6" Slotted, 20 Ga. Galv. Sheet Metal	112
Washers for H.R. Studs	1/2" x Cut Washers (galvanized)	32
Nuts for H.R. Studs	1/2" x Hex Nuts (galvanized)	32
Grout	1 pt. by vol. Portland Cement, 2 1/2 pts. by vol. Dry Sand	1.50 cu yd
Drift Bolts, Slab to Cap	1" x 14" Plain Smooth Bars, No Head, No Point	16
H.R. Studs	3/4" x 20" Threaded, 2" x 2" End (galvanized)	32

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Louisiana Department of Highways Standard Specifications for Roads and Bridges, July 1955.
DESIGN SPECIFICATIONS: A.A. S.H.O. 1955 as amended to December 31, 1955.
LIVE LOAD: H 20-516-44
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.

HANDRAIL NOTE:
6 1/2" O.D. x 5/16" wall thickness structural grade freighting pipe and manufactured by Gal-Metal Pipe Corp. of La. or the approved equal, may be substituted for 6" Old Black Pipe.

STANDARD PLAN PRECAST CONCRETE APPROACH SLAB AND END FLARES		
TO BE USED WITH STANDARD PLAN CP5 17-20-04 GRAVEL OR BITUMINOUS TREATED ROAD		
DATED MAY 21, 1956		
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS		
DESIGNED	BY	DATE
CHECKED	BY	DATE
IN CHARGE OF		

DISCARD
10-29-57
SEE NEW STD.
PLANS C.M. 171
and C.M. 173
W.D.