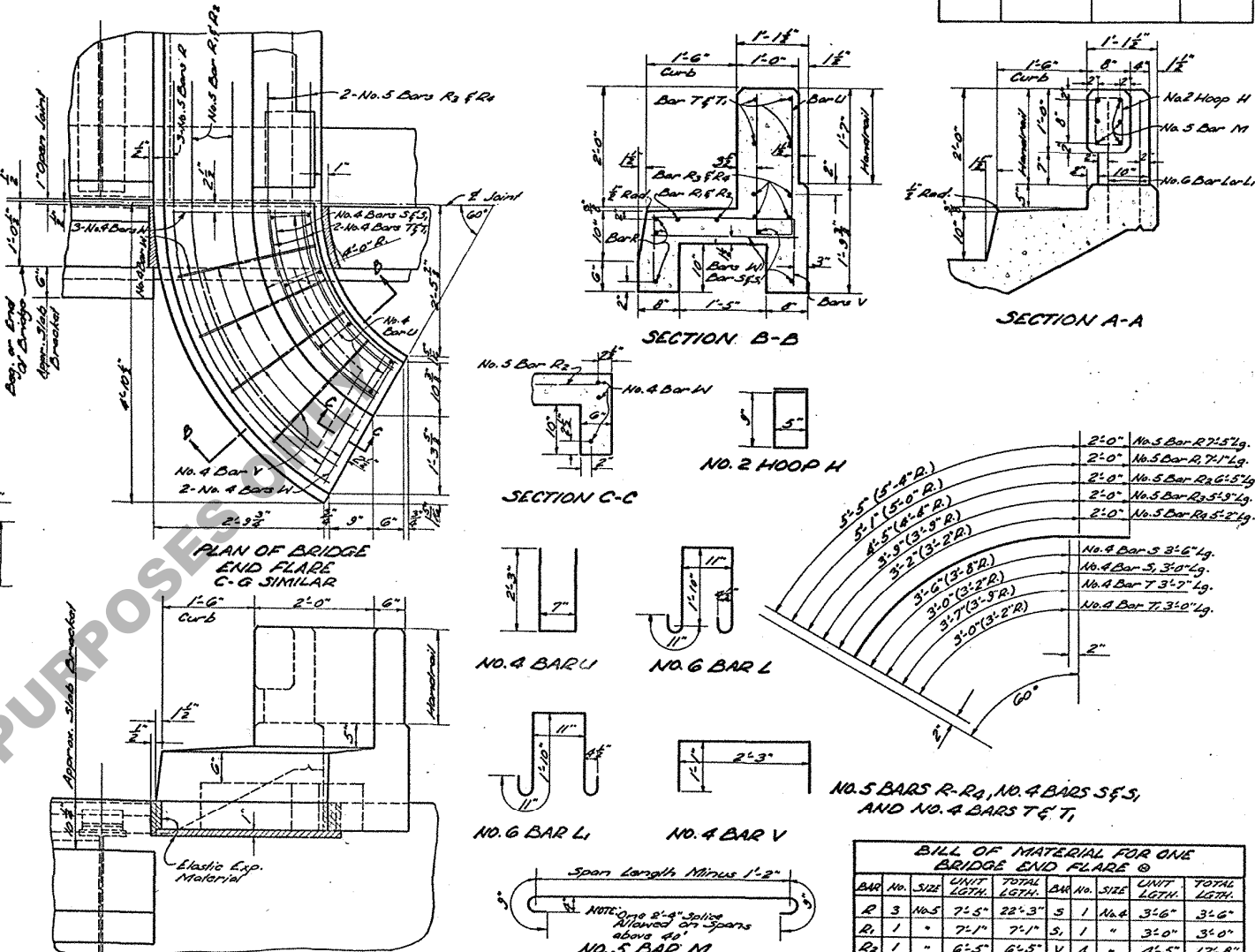
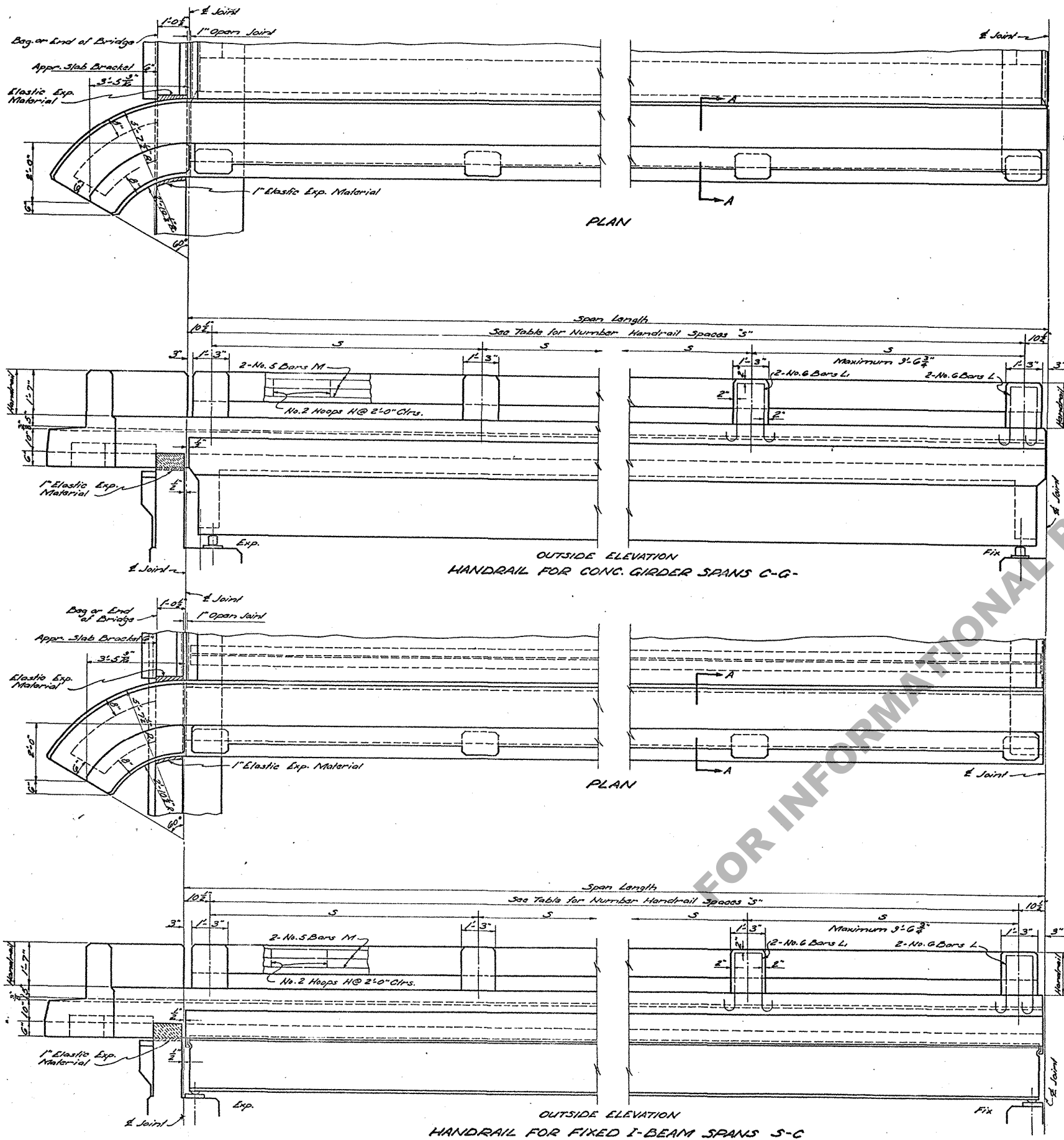


STATE PROJECT	PARISH	SHEET NO.



END FLARES AND HANDRAIL QUANTITIES TO BE ADDED TO STD. PLAN S-C.

SPAN LGTH. FT.	END OR INTERMEDIATE SPAN	CLASS 1 FLARE	CONC. STEEL	CONC. HANDRAIL	CONC. HANDRAIL
		NO. FT. LBS.	NO. FT. LBS.	NO. FT. LBS.	NO. FT. LBS.
20	2	9-1/2	1.08	184	47.38
25	3	7-9	1.08	184	57.38
30	3	9-5	1.08	184	67.38
35	4	8-3 1/2	1.08	184	77.38
40	4	9-6 3/4	1.08	184	87.38
45	5	8-7 1/2	1.08	184	97.38
50	6	8-0 1/2	1.08	184	107.38
55	6	8-10 1/2	1.08	184	117.38
60	7	8-3 1/2	1.08	184	127.38
65	7	8-0 1/2	1.08	184	137.38
70	8	8-6 3/4	1.08	184	147.38
75	8	9-1 1/2	1.08	184	157.38
80	9	8-8 1/2	1.08	184	167.38

END FLARES AND HANDRAIL QUANTITIES TO BE ADDED TO STD. PLAN C-G.

SPAN LGTH. FT.	END OR INTERMEDIATE SPAN	CLASS 1 FLARE	CONC. STEEL	CONC. HANDRAIL	CONC. HANDRAIL
		NO. FT. LBS.	NO. FT. LBS.	NO. FT. LBS.	NO. FT. LBS.
20	2	9-1/2	1.08	184	47.38
25	3	7-9	1.08	184	57.38
30	3	9-5	1.08	184	67.38
35	4	8-3 1/2	1.08	184	77.38
40	4	9-6 3/4	1.08	184	87.38
45	5	8-7 1/2	1.08	184	97.38
50	6	8-0 1/2	1.08	184	107.38
55	6	8-10 1/2	1.08	184	117.38
60	7	8-3 1/2	1.08	184	127.38
65	7	8-0 1/2	1.08	184	137.38
70	8	8-6 3/4	1.08	184	147.38
75	8	9-1 1/2	1.08	184	157.38
80	9	8-8 1/2	1.08	184	167.38

BILL OF MATERIAL FOR ONE BRIDGE END FLARE @

BAR NO.	SIZE	UNIT LGTH.	TOTAL LGTH.	BAR NO.	SIZE	UNIT LGTH.	TOTAL LGTH.
R 3	No. 5	7'-5"	22'-3"	S 1	No. 4	3'-6"	3'-6"
R 1	"	7'-1"	7'-1"	S 1	"	3'-0"	3'-0"
R 2	"	6'-5"	6'-5"	V 8	"	4'-5"	17'-8"
R 3	"	5'-9"	11'-6"	H 10	"	2'-5"	24'-2"
R 2	"	5'-2"	10'-4"				

TOTAL NO. 5 BARS 37'-7" = 60 LBS. TOTAL NO. 4 BARS 48'-4" = 32 LBS.
TOTAL REINFORCING STEEL 92 LBS.
TOTAL CLASS 1 CONCRETE 54 CU. YDS.
TOTAL CONCRETE HANDRAIL 4.13 LIN. FT.

@ Includes Quantities Below Top of 5" Sidewalk Curb Only.

GENERAL NOTES:
Construction Specifications: Latest Approved La. Hwy. Dept. Std. Specs.
Design Specifications: A.A.S.H.O., 1941
All Concrete to be Class "A".
Dimensions to Reinforcing Steel are to Bar Centers.
Exposed Concrete to have 3" Chamber.
Rail and Posts to be Poured in one Operation.
Concrete and Reinforcing Steel in Handrail (Including Flare Handrail) above Top of 5" Sidewalk Curb to be Paid For.
For Lin. Ft. of Handrail. This Includes Bars L, L, L, U that project into 5" curb.

NOTE:
This Plan is a Revision of Std. Plan C-106. End Span has been Eliminated and Details revised for New End Span.

STANDARD PLAN
TYPE "D" HANDRAIL
AND
BRIDGE END FLARE
TO BE USED WITH 1'-6" CURBS

DATE: March 1947

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED: M. H. Pankay
CHECKED: J. T. Huey

DETAILED: M. H. Pankay
CHECKED: H. H. Pankay

TRACED: J. T. Huey
CHECKED: G. W. Lee

BRIDGE DESIGN SECTION

C.M. 106 REV.