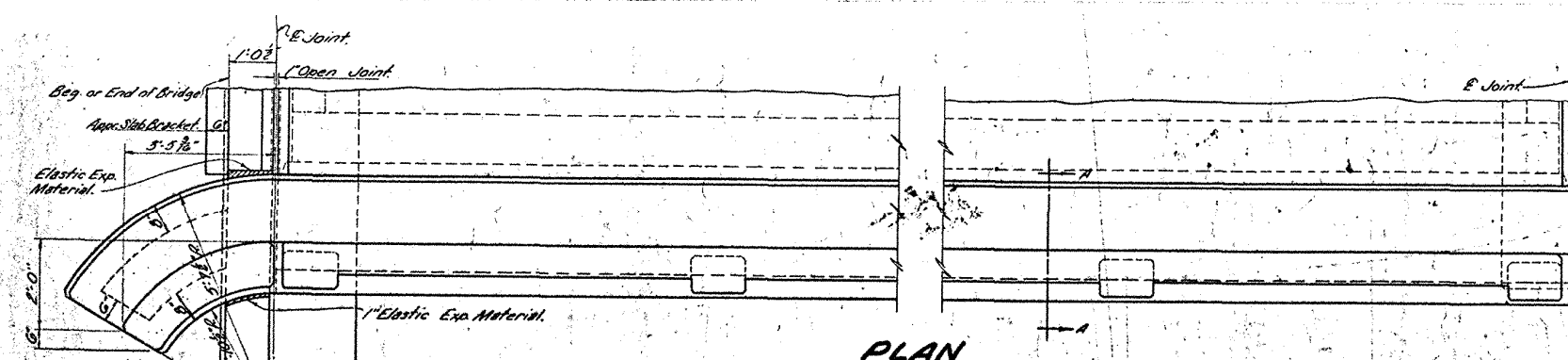
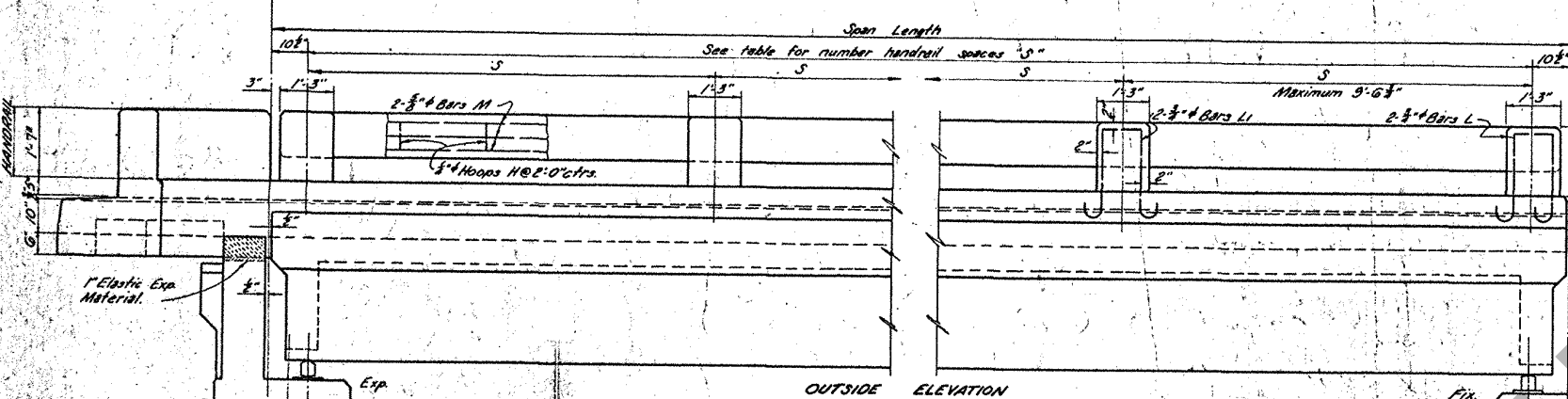
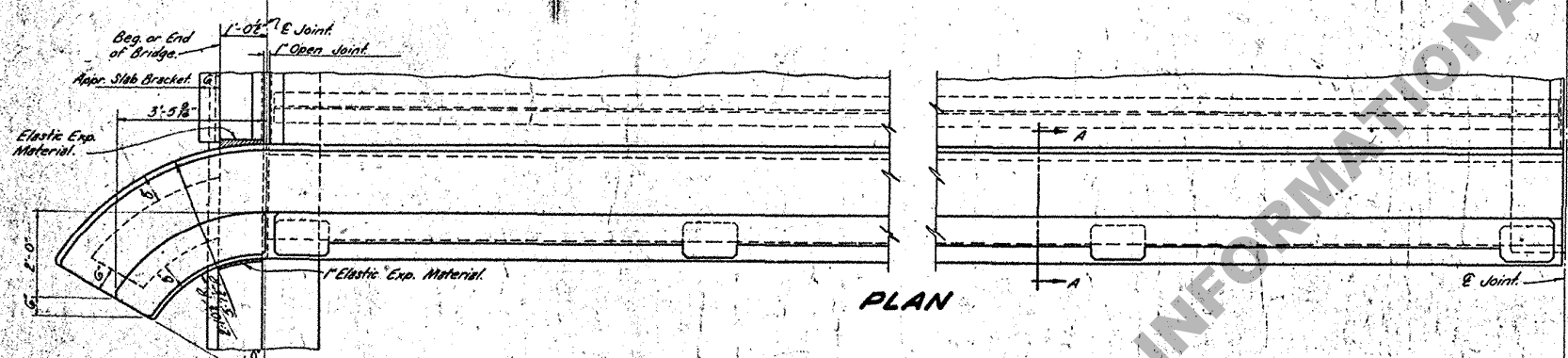




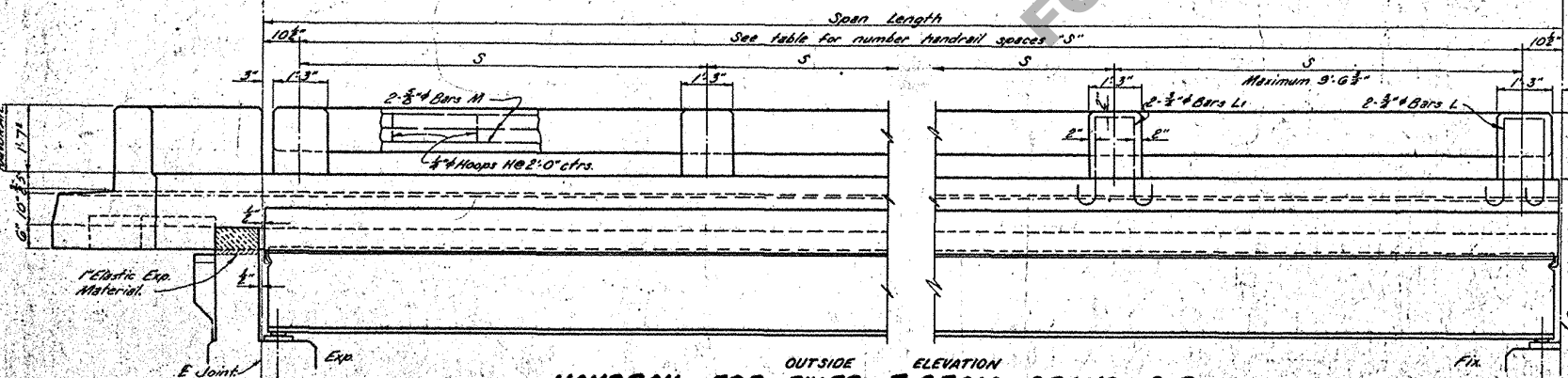
PLAN



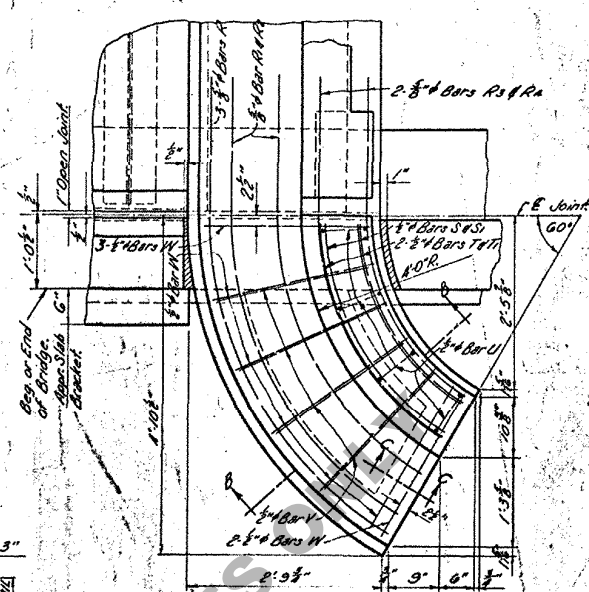
OUTSIDE ELEVATION
HANDRAIL FOR CONC. GIRDER SPANS C-G.



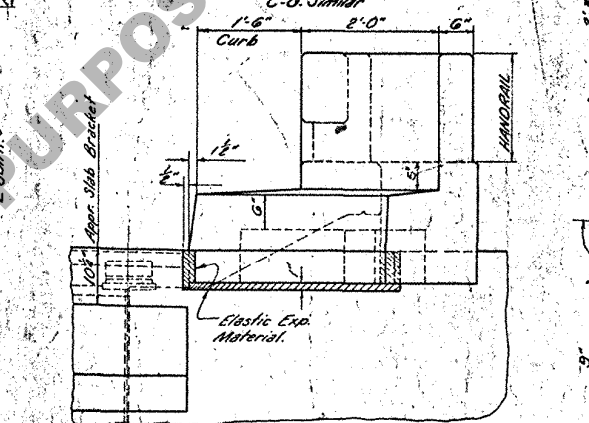
PLAN



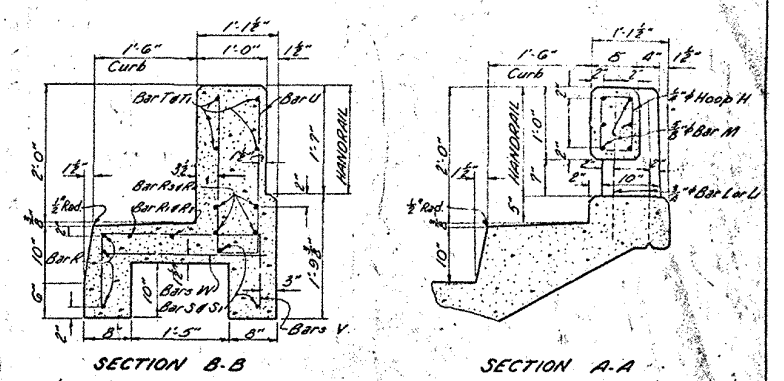
OUTSIDE ELEVATION
HANDRAIL FOR FIXED I-BEAM SPANS S-C



PLAN OF BRIDGE
END FLARE
C-G Similar

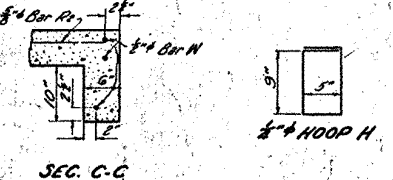


END VIEW OF
BRIDGE END FLARE
C-G Similar

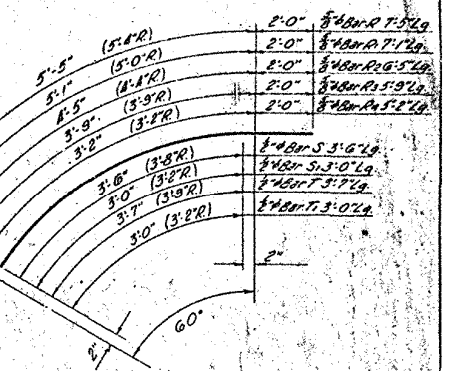
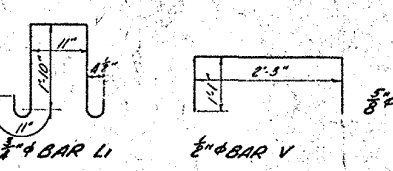
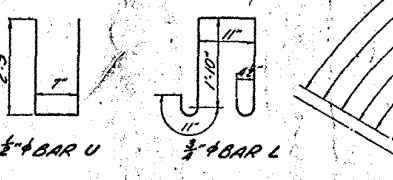


SECTION B-B

SECTION A-A



SEC. C-C



BILL OF MATERIAL FOR ONE BRIDGE END FLARE

Bar No	Size	Unit	Total Length	Total Weight
R 3	5/8"	22.5	5	5.6
R 1	7/8"	7.1	5	3.0
R 2	6/8"	6.5	4	1.8
R 3	5/8"	11.6	10	2.4
R 4	5/8"	10.4	10	2.4

Total #4 Bars 57.1' 60 Lbs. Total #4 Bars 13.4' 32 Lbs.
Total Reinforcing Steel 92 Lbs.
Total Class "A" Concrete 54 Cu Yds.
Total Concrete Handrail 110 Lin Ft.
Includes Quantities Below Top of 5" Sidewalk Curb Only.

END FLARES AND TO BE ADDED TO STD. PLAN S-C.				HANDRAIL QUANTITIES	
End Or Span Intermediate Length		Span	Class "A" Rein. Conc. Steel	Handrail	Inter-mediate Span
Fe	Fe	Fe	Fe	Fe	Fe
20	2	9.15	104	47.38	39.0
25	3	7.9	104	57.58	49.0
30	3	9.5	104	67.58	59.0
35	4	6.35	104	77.58	69.0
40	4	9.65	104	87.58	79.0
45	5	6.75	104	97.58	89.0
50	6	8.05	104	107.58	99.0
55	6	8.05	104	117.58	109.0
60	7	9.05	104	127.58	119.0
65	7	9.05	104	137.58	129.0
70	8	6.65	104	147.58	139.0
75	8	9.15	104	157.58	149.0
80	9	8.85	104	167.58	159.0

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

Span Length	End Or Intermediate Span		Class. Rein. Conc. Steel Handrail	Conc. Handrail	Inter-mediate Span
	Span	Span			
Fe	Fe	Fe	Fe	Fe	Fe
10	2	9.15	104	47.38	39.0
22	3	6.9	104	57.58	49.0
24	3	7.5	104	67.58	49.0
26	3	9.1	104	77.58	59.0

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

Span Length	End Or Intermediate Span		Class. Rein. Conc. Steel Handrail	Conc. Handrail	Inter-mediate Span
	Span	Span			
Fe	Fe	Fe	Fe	Fe	Fe
30	4	9.1	104	87.58	59.0
32	4	1.63	104	77.58	69.0
34	4	8.03	104	77.58	69.0
36	4	8.73	104	77.58	71.0
38	4	9.03	104	83.58	75.0
40	4	9.53	104	87.58	79.0

NOTE: This Plan is a revision of Std. Plan C-M-106. End Span has been eliminated and details revised for new End Span Stds.

GENERAL NOTES:
Construction Specifications. Latest Approved Lg. 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 Corners to have 3" Chamfer.
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.
Per Lin. Ft. of Handrail. This includes Bars L, Li & U that project into said 5" Curb.

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

DESIGNED BY: J. T. HULL
CHECKED BY: J. T. HULL
DATE: 11-16-40

REVISIONS

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED BY: J. T. HULL
CHECKED BY: J. T. HULL
DATE: 11-16-40

REVISIONS