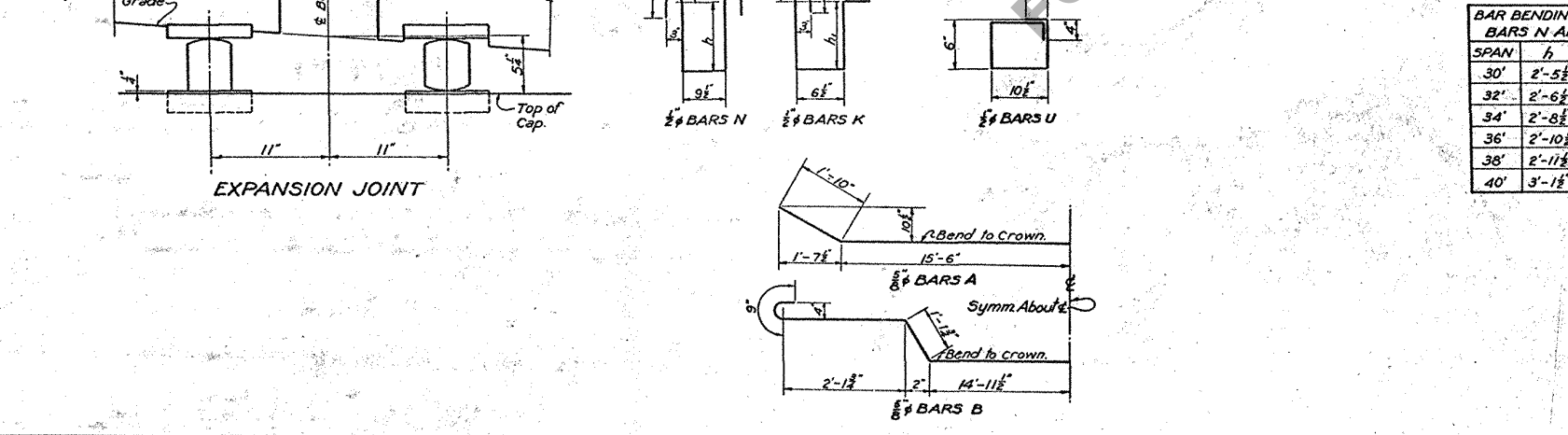
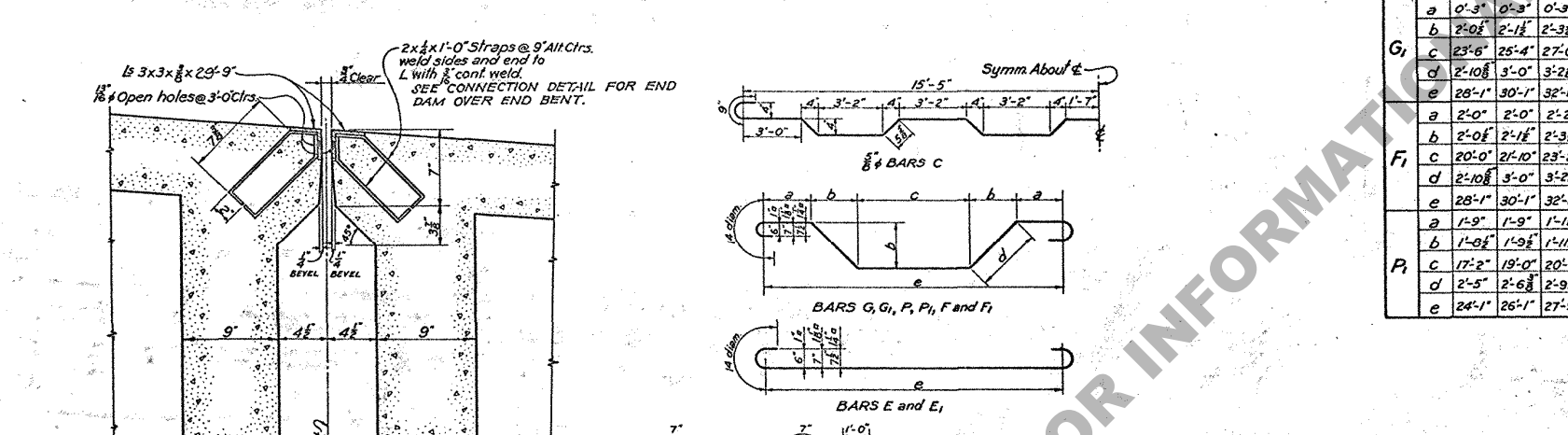
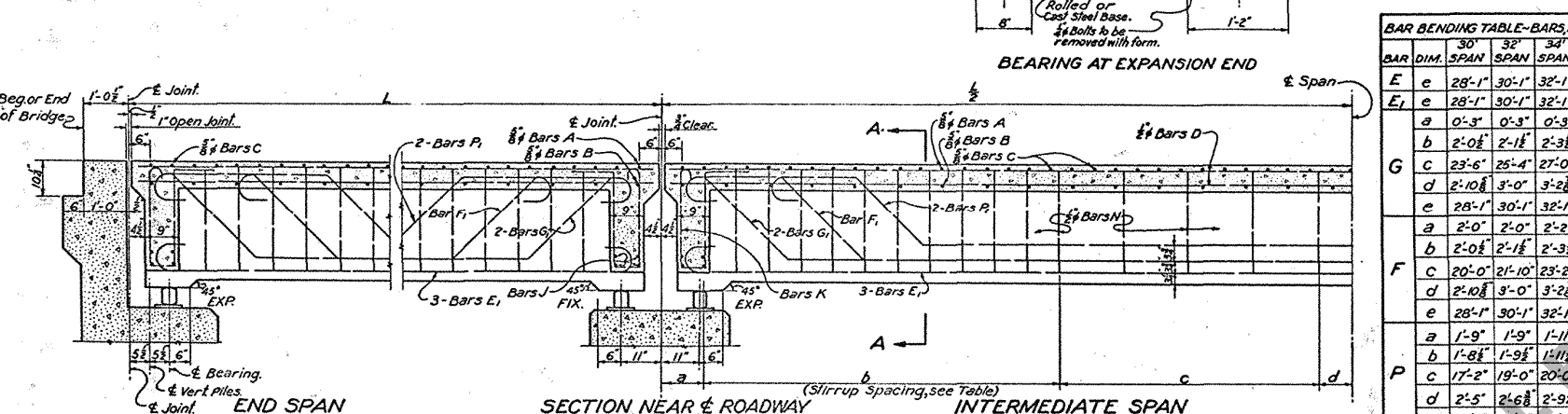
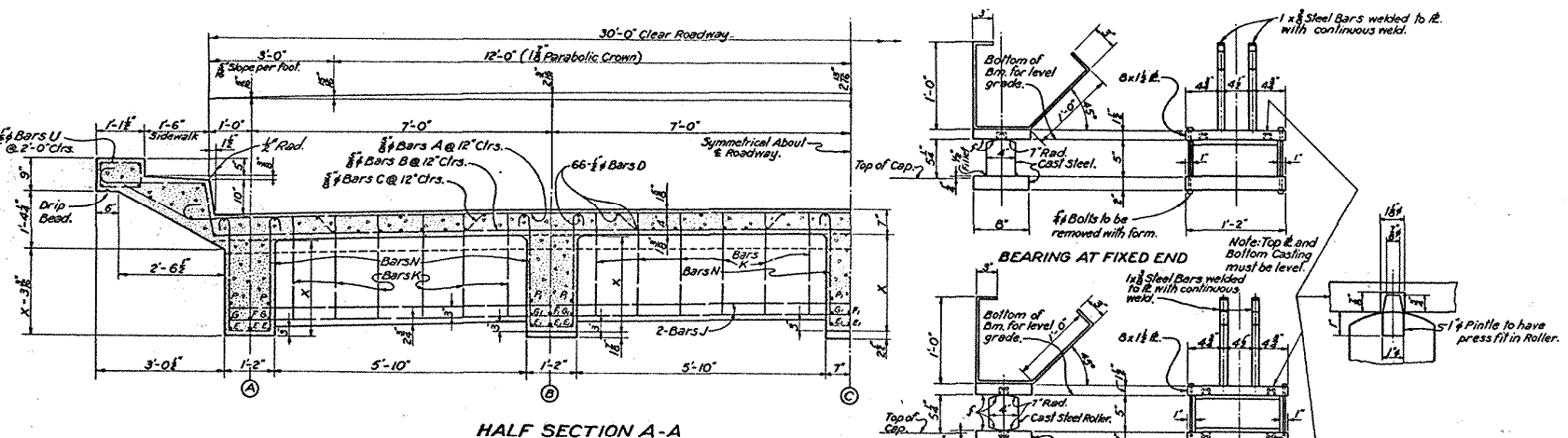


STATE	PROJECT	PARISH	SHEET
			17

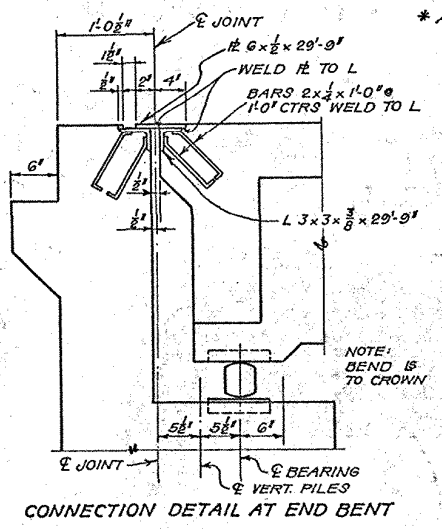


BAR LOCATION	30 FT. SPAN				32 FT. SPAN				34 FT. SPAN				36 FT. SPAN				38 FT. SPAN				40 FT. SPAN			
	No.	Size	Unit Length	Total Length	No.	Size	Unit Length	Total Length	No.	Size	Unit Length	Total Length	No.	Size	Unit Length	Total Length	No.	Size	Unit Length	Total Length	No.	Size	Unit Length	Total Length
A Top of Slab	30	#4	34'-8"	1040'-0"	32	#4	34'-8"	1109'-4"	34	#4	34'-8"	1178'-8"	36	#4	34'-8"	1248'-0"	38	#4	34'-8"	1317'-4"	40	#4	34'-8"	1386'-8"
B Bottom of Slab	30	#4	38'-0"	1140'-0"	32	#4	38'-0"	1216'-0"	34	#4	38'-0"	1292'-0"	36	#4	38'-0"	1368'-0"	38	#4	38'-0"	1444'-0"	40	#4	38'-0"	1520'-0"
C Bottom of Slab	29	#4	33'-5"	969'-1"	31	#4	33'-5"	1035'-1"	33	#4	33'-5"	1102'-9"	35	#4	33'-5"	1169'-7"	37	#4	33'-5"	1236'-5"	39	#4	33'-5"	1303'-3"
D Longitudinal Slab	66	#4	29'-8"	1958'-0"	66	#4	31'-8"	2090'-0"	66	#4	33'-8"	2222'-0"	66	#4	35'-8"	2354'-0"	66	#4	37'-8"	2486'-0"	66	#4	39'-8"	2618'-0"
N Beam Stirrups	150	#4	6'-10"	1031'-3"	160	#4	7'-0"	1120'-0"	160	#4	7'-4"	1180'-0"	170	#4	7'-8"	1240'-0"	180	#4	8'-2"	1300'-0"	190	#4	8'-6"	1360'-0"
J Diaphragm	8	#4	28'-10"	230'-8"	8	#4	28'-10"	230'-8"	8	#4	28'-10"	230'-8"	8	#4	28'-10"	230'-8"	8	#4	28'-10"	230'-8"	8	#4	28'-10"	230'-8"
K Diaphragm	48	#4	6'-6"	314'-0"	48	#4	6'-8"	322'-0"	48	#4	7'-0"	330'-0"	48	#4	7'-4"	338'-0"	48	#4	7'-8"	346'-0"	48	#4	8'-2"	354'-0"
U Curb	30	#4	3'-5"	102'-6"	32	#4	3'-5"	109'-4"	34	#4	3'-5"	116'-2"	36	#4	3'-5"	123'-0"	38	#4	3'-5"	129'-10"	40	#4	3'-5"	136'-8"

TOTAL SPAN	#4 Bars 3149'-1" = 3284 Lbs.	#4 Bars 3361'-3" = 3506 Lbs.	#4 Bars 3573'-5" = 3727 Lbs.	#4 Bars 3785'-7" = 3948 Lbs.	#4 Bars 3997'-9" = 4170 Lbs.	#4 Bars 4209'-11" = 4391 Lbs.
E Bm. A	6 #4 30'-5" = 182'-6"	6 #4 32'-5" = 194'-6"	6 #4 34'-9" = 208'-6"	6 #4 36'-9" = 220'-6"	6 #4 38'-9" = 232'-6"	6 #4 41'-1" = 245'-6"
E ₁ Bm. B & C	9 #4 30'-9" = 276'-9"	9 #4 32'-9" = 294'-9"	9 #4 34'-9" = 312'-9"	9 #4 36'-9" = 330'-9"	9 #4 38'-9" = 348'-9"	9 #4 41'-1" = 369'-9"
G Bm. A	4 #4 32'-1" = 128'-4"	4 #4 34'-2" = 136'-8"	4 #4 36'-3" = 145'-0"	4 #4 38'-3" = 153'-0"	4 #4 40'-10" = 163'-4"	4 #4 43'-0" = 172'-0"
G ₁ Bm. A	2 #4 32'-1" = 64'-2"	2 #4 34'-2" = 68'-4"	2 #4 36'-3" = 72'-6"	2 #4 38'-3" = 76'-10"	2 #4 40'-10" = 81'-8"	2 #4 43'-0" = 86'-0"
P Bm. A	4 #4 27'-10" = 111'-4"	4 #4 29'-10" = 119'-4"	4 #4 31'-8" = 126'-8"	4 #4 33'-6" = 134'-0"	4 #4 35'-9" = 143'-0"	4 #4 37'-4" = 149'-4"
G ₁ Bm. B & C	6 #4 32'-1" = 192'-6"	6 #4 34'-6" = 207'-0"	6 #4 36'-7" = 219'-6"	6 #4 38'-9" = 232'-6"	6 #4 41'-2" = 247'-0"	6 #4 43'-4" = 260'-0"
F ₁ Bm. B & C	3 #4 32'-1" = 96'-3"	3 #4 34'-6" = 103'-6"	3 #4 36'-7" = 109'-9"	3 #4 38'-9" = 116'-3"	3 #4 41'-2" = 123'-6"	3 #4 43'-4" = 130'-0"
P ₁ Bm. B & C	6 #4 27'-10" = 167'-0"	6 #4 30'-2" = 181'-0"	6 #4 32'-0" = 192'-0"	6 #4 33'-10" = 203'-0"	6 #4 35'-9" = 214'-6"	6 #4 38'-0" = 228'-0"
TOTAL SPAN	1 #4 Bars 942'-1" = 3203 Lbs.	1 #4 Bars 518'-10" = 1764 Lbs.	1 #4 Bars 344'-2" = 1170 Lbs.	1 #4 Bars 210'-10" = 717 Lbs.	1 #4 Bars 835'-0" = 3593 Lbs.	1 #4 Bars 459'-4" = 308 Lbs.
	1 #4 Bars 276'-9" = 1191 Lbs.	1 #4 Bars 706'-3" = 3383 Lbs.	1 #4 Bars 1042'-6" = 4486 Lbs.	1 #4 Bars 333'-9" = 1173 Lbs.	1 #4 Bars 858'-0" = 3990 Lbs.	1 #4 Bars 1234'-3" = 6558 Lbs.

DIMENSIONS AND QUANTITIES								
SPAN "L" IN FEET	X	STIRRUP SPACING~BARS N				CLASS "A" CONCRETE CU. YDS.	DEF. REINF. STEEL LBS.	STRUCTURAL STEEL LBS. -#
		a	b	c	d			
30	2'-4"	0'-9"	10@9'-7'-6"	4@1'-6'-6"-0"	0'-9"	42.79	10107	2482
32	2'-5"	1'-0"	11@9'-8'-3"	4@1'-6'-6"-0"	0'-9"	46.17	11244	2482
34	2'-7"	1'-3"	10@9'-7'-6"	5@1'-6'-7'-6"	0'-9"	50.29	12113	2482
36	2'-9"	0'-9"	10@9'-7'-6"	6@1'-6'-9"-0"	0'-9"	54.58	13349	2482
38	2'-10"	1'-0"	11@9'-8'-3"	6@1'-6'-9"-0"	0'-9"	58.22	14690	2482
40	3'-0"	1'-3"	12@9'-9'-0"	6@1'-6'-9"-0"	0'-9"	62.76	15856	2482

For Details of Handrail see Standard Plan C-M-106 Revised.
* ADD 305 LBS STRUCTURAL STEEL FOR EACH END SPAN



GENERAL NOTES:
Construction Specs: Latest Approved La. Hwy. Dept. Std. Specs.
Design Specifications: A.A.S.H.O. 1941.
Live Load: H 20-S16
Dead Load: Calculated weight of concrete plus 15 lbs per sq.ft. future wearing surface.
All concrete to be Class 'A'.
Dimensions to reinforcing steel are to Bar Centers.
Exposed corners to have 3/4" chamfer unless otherwise noted.

BAR BENDING TABLE BARS N AND K		
SPAN	h	h ₁
30'	2'-5 1/2"	2'-2 1/2"
32'	2'-6 1/2"	2'-3 1/2"
34'	2'-8 1/2"	2'-5 1/2"
36'	2'-10 1/2"	2'-7 1/2"
38'	2'-11 1/2"	2'-8 1/2"
40'	3'-1 1/2"	2'-10 1/2"

NOTE:
This plan is a revision of Std. Plan C.G. 18-20. End Span has been eliminated and Details revised for new End Bent Standards.
Revisions made: R.E.H.
Revisions checked: G.H.G.P.

STANDARD PLAN R.C. DECK GIRDER SPANS H20-S16 LOADING 30'-0" CLEAR ROADWAY 1'-6" SIDEWALKS 30'-0" TO 40'-0" SPANS TO BE USED WITH STANDARD PLAN C-S-45-20 DATED April, 1947.			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED: Huey	CHECKED: Huey	TRACED: Huey	CHECKED: Huey
DATE: 11/1/47	DESCRIPTION: Bridge Design Section	BY: Huey	CHECKED: Huey