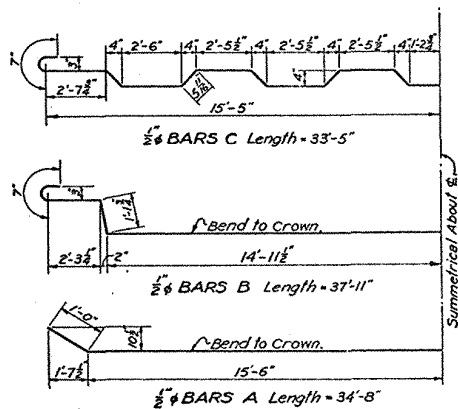
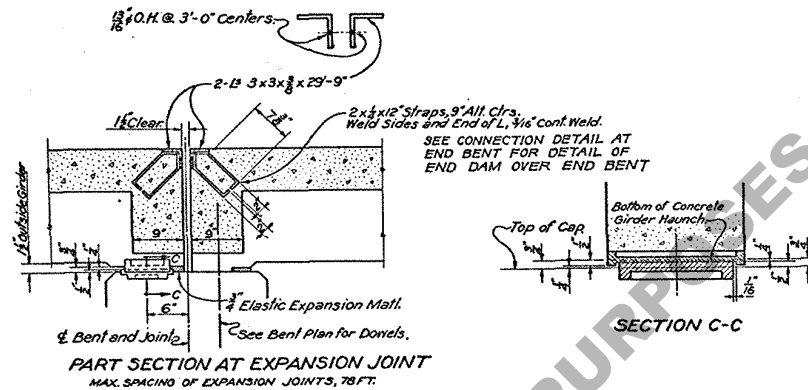
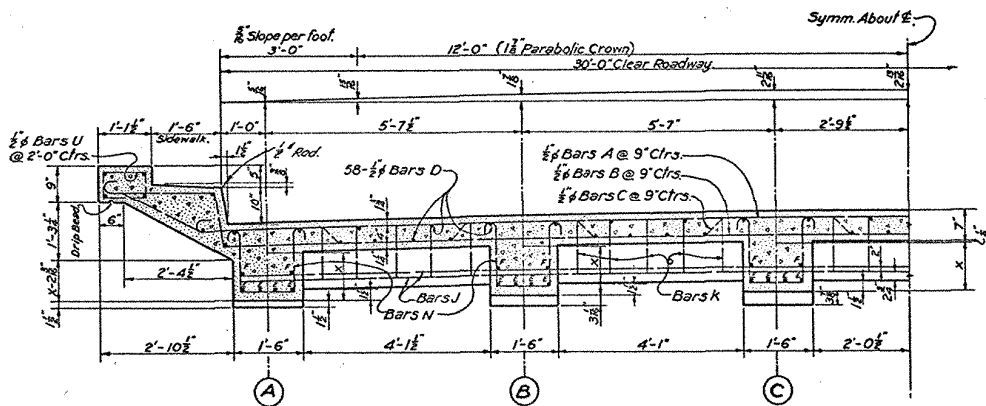
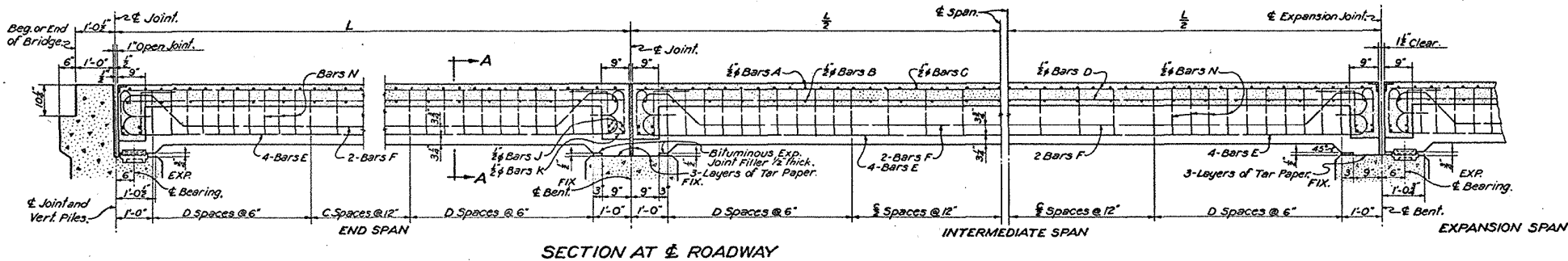
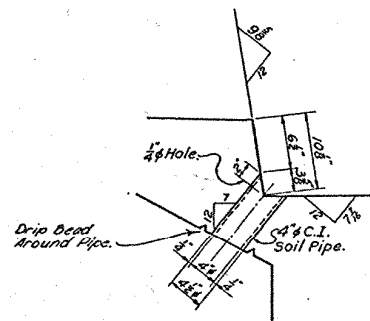
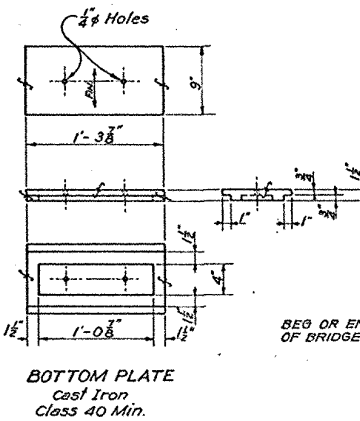
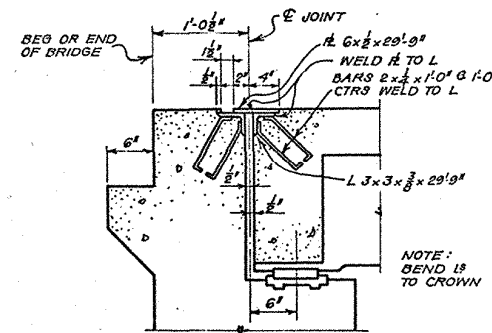


TOP PLATE
Cast or Rolled Bronze.
EXPANSION PLATES



CAST IRON DRAIN
Required on each side of Roadway
in each Span, none required in
End Span over unprotected Slope.



CONNECTION DETAIL AT END BENT

NOTE:
This plan is a revision of Std. Plan C.G. 17-20.
End Span has been eliminated and Details
revised for new End Bent Standards.
Revisions made: C. E. H.
Revisions checked: H. O. H.

BAR	LOCATION	20 FT. SPAN				22 FT. SPAN				24 FT. SPAN				26 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
A	Top	27	1/2"	34'-8"	936'-0"	29	1/2"	34'-8"	1005'-4"	32	1/2"	34'-8"	1109'-4"	35	1/2"	34'-8"	1213'-4"
B	Bottom	27	1/2"	37'-11"	1023'-9"	29	1/2"	37'-11"	1099'-7"	32	1/2"	37'-11"	1213'-4"	35	1/2"	37'-11"	1327'-1"
C	Beam	26	3/8"	33'-5"	863'-10"	29	3/8"	33'-5"	969'-1"	32	3/8"	33'-5"	1069'-4"	34	3/8"	33'-5"	1136'-2"
D	Longitudinal	58	1/2"	19'-8"	1140'-8"	58	1/2"	21'-0"	1256'-8"	58	1/2"	23'-8"	1372'-8"	58	1/2"	25'-8"	1488'-8"
N	Beam	174	1/4"	4'-8 1/2"	819'-3"	192	1/4"	4'-10 1/2"	936'-0"	204	1/4"	5'-0 1/2"	1028'-6"	222	1/4"	5'-2 1/2"	1156'-3"
J	Diaphragm	8	1/2"	29'-3"	234'-0"	8	1/2"	29'-3"	234'-0"	8	1/2"	29'-3"	234'-0"	8	1/2"	29'-3"	234'-0"
K	Diaphragm	50	1/2"	4'-5"	220'-10"	50	1/2"	4'-7"	229'-2"	50	1/2"	4'-9"	237'-6"	50	1/2"	4'-11"	245'-10"
U	Curb	40	3/8"	3'-5"	136'-8"	42	3/8"	3'-5"	143'-6"	44	3/8"	3'-5"	150'-4"	46	3/8"	3'-5"	157'-2"
TOTAL SPAN		5380'-0" = 3594 LBS.				5873'-4" = 3923 LBS.				6415'-0" = 4285 LBS.				6958'-6" = 4648 LBS.			
E	Bars A-B-C	24	1/2"	21'-5"	514'-0"	24	1/2"	23'-5"	562'-0"	24	1/2"	25'-9"	618'-0"	24	1/2"	27'-9"	666'-0"
F	Bars A-B-C	12	1/2"	22'-2"	266'-0"	12	1/2"	24'-6"	294'-0"	12	1/2"	26'-3"	315'-0"	12	1/2"	28'-8"	344'-0"
TOTAL SPAN		180 BARS 780'-0" = 3356 LBS.				180 BARS 562'-0" = 2418 LBS.				180 BARS 315'-0" = 1355 LBS.				180 BARS 1010'-0" = 5366 LBS.			

DIMENSIONS AND QUANTITIES						
SPAN "L" IN FEET	X	STIRRUP SPACES	CLASS	DEF. REINF. STEEL	STRUCT. STL. LBS.	
		C	D	CONCRETE CU. YDS.	I-EXP. JOINT	I-END SPAN
20	1'-1"	8	10	25.36	6950	1045
22	1'-2"	9	11	28.47	7903	1045
24	1'-3"	11	11	31.70	8923	1045
26	1'-4"	12	12	35.03	10014	1045

NOTE: For Details of Handrail see Standard Plan C-M-106 Revised.

BAR BENDING TABLE					
BAR	DIM.	20' SPAN	22' SPAN	24' SPAN	26' SPAN
E	c	18'-10"	20'-10"	22'-10"	24'-10"
a	0'-7 1/2"	0'-7 1/2"	0'-6 1/2"	0'-6 1/2"	0'-6 1/2"
b	0'-9 1/2"	0'-10 1/2"	0'-11 1/2"	1'-0 1/2"	1'-0 1/2"
c	16'-0"	17'-10"	19'-10"	21'-8"	21'-8"
d	1'-1 1/2"	1'-2 3/4"	1'-4 1/4"	1'-5 3/4"	1'-5 3/4"
e	18'-10"	20'-10"	22'-10"	24'-10"	24'-10"

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.

STANDARD PLAN R.C. DECK GIRDER SPANS H20-S16 LOADING 30'-0" CLEAR ROADWAY 1'-6" SIDEWALKS 20'-0" TO 26'-0" SPANS TO BE USED WITH STANDARD PLAN C-5-44-20			
DATED: April, 1947.			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED	DATE	DETAILED	DATE
CHECKED	DATE	CHECKED	DATE
BRIDGE DESIGN SECTION			