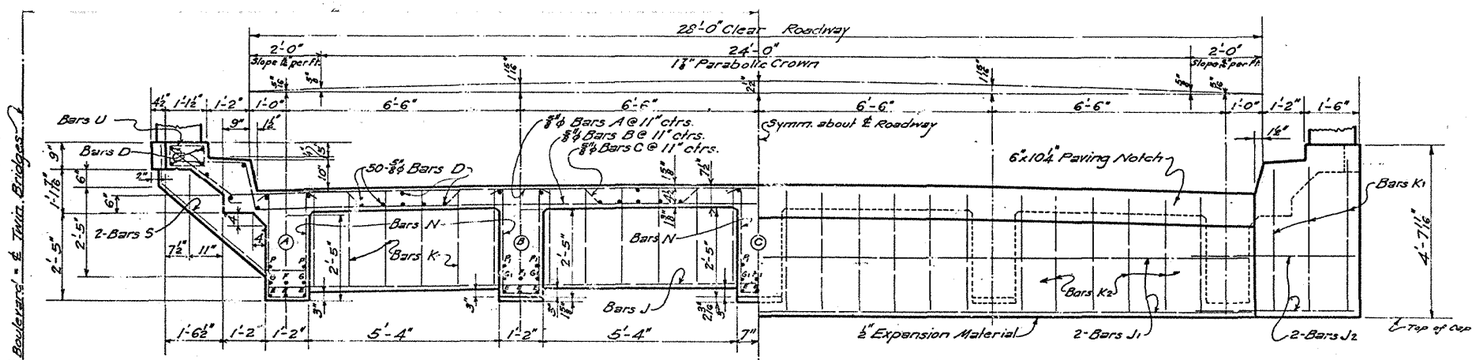
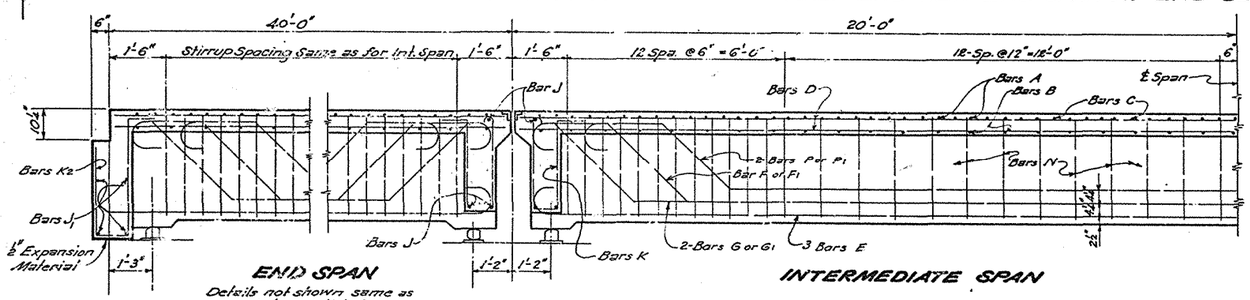


HALF SECTION A-A

HALF END VIEW END SPAN AT END BENT

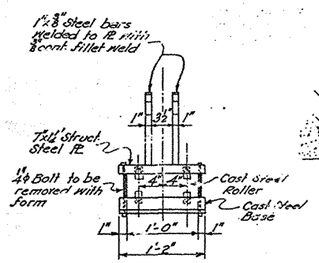


END SPAN

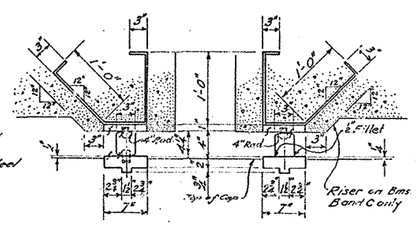
Details not shown same as intermediate span

INTERMEDIATE SPAN

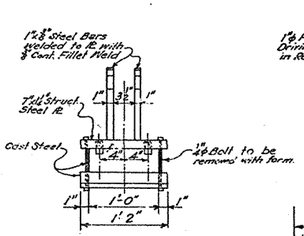
LONGITUDINAL SECTION SHOWING DETAILS OF REINFORCING

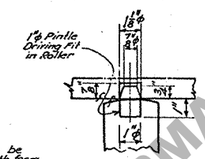


BEARING AT EXPANSION END

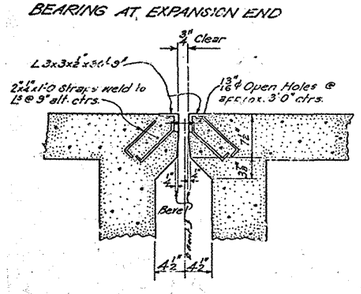


BEARING AT FIXED END



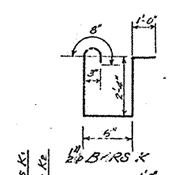


DETAIL OF PINTLE

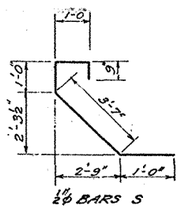


EXPANSION JOINT SECTION B-B

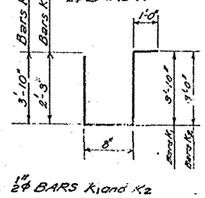
SEE SHEET NO. 1



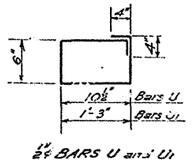
1" ϕ BARS X



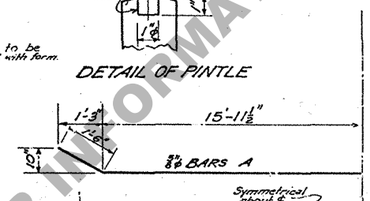
1" ϕ BARS S

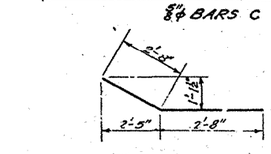


1" ϕ BARS K1 and K2

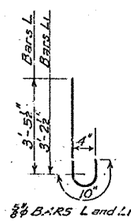


1" ϕ BARS U and U1

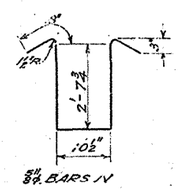




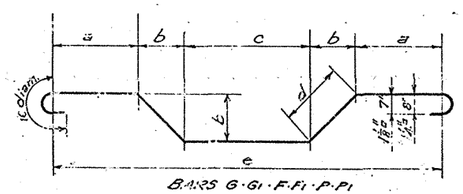
⅞" ϕ BARS J2



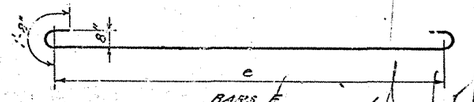
⅞" ϕ BARS L and L1



⅞" ϕ BARS N



BARS G · G1 · F · F1 · P · P1



BARS E

BAR BENDING TABLE		
Bar		Dimension
E (Int. Span)	e	38'-1
E (End Span)	e	38'-11
G	a	0'-4
	b	2'-2
	c	33'-2
	d	3'-0¾
	e	38'-2
F	a	1'-10
	b	2'-2
	c	30'-2
	d	3'-0¾
	e	38'-2
P	a	1'-8½
	b	1'-10
	c	27'-10
	d	2'-7⅞
	e	34'-11
G1	a	0'-4
	b	2'-2"
	c	33'-2"
	d	3'-0¾
	e	38'-2
F1	a	1'-10
	b	2'-2
	c	30'-2
	d	3'-0¾
	e	38'-2"
P1	a	1'-8½
	b	1'-10
	c	27'-10
	d	2'-7⅞
	e	34'-11

ESTIMATE OF QUANTITIES FOR ONE SPAN ONE SIDE OF ℄ OF BOULEVARD *

ONE INTERMEDIATE SPAN

Bar	Size	Nº	Unit Length	Total Length	Location
H	1½" ϕ	12	39'-2	470'-0	Handrail
K	"	48	6'-10	328'-0	Diaphragm
S	"	8	7'-4	58'-8	Bracket
U	"	36	3'-5	123'-0	Rail Curb
U1	"	12	4'-2	50'-0	Rail Curb at Posts
TOTAL 1½" ϕ BARS			1029'-8"	=	688 Lbs.
A	⅞" ϕ	43	34'-11	1501'-5	Slab
B	"	43	38'-6	1655'-6	"
C	"	42	34'-9	1459'-6	"
D	"	50	39'-6	1983'-4	"
J	"	6	29'-7	177'-6	Diaphragms
L	"	24	4'-3½	103'-0	Handrail Posts
L1	"	84	4'-0¾	339'-6	Handrail
N	"	250	7'-6	1875'-0	Beams
TOTAL ⅞" ϕ Bars			9094'-9"	=	9486 Lbs.
F	1⅛" ϕ	2	42'-11	85'-10	Beams A
G	"	4	42'-11	171'-8	" "
P	"	4	39'-5	157'-8	" "
TOTAL 1⅛" ϕ Bars			415'-2"	=	1786 Lbs
E	1¼" ϕ	15	41'-5	621'-5	All Beams
F1	"	3	43'-3	129'-9	Beams B & C
G1	"	6	43'-3	259'-6	" " "
P1	"	6	39'-9	238'-6	" " "
TOTAL 1¼" ϕ Bars			1249'-0"	=	6636 Lbs
Total Reinforcing Steel					18596 Lbs.
Class "A" Concrete					60.96 Cu. Yds.
Fabricated Structural Steel					2150 Lbs.

ONE END SPAN

Bar	Size	Nº	Unit Length	Total Length	Location
H	1½" ϕ	12	39'-8	476'-0	Handrail
K	"	24	6'-10	164'-0	Diaphragm
K1	"	6	9'-4	56'-0	Curtain Wall
K2	"	24	6'-11	166'-0	Curtain Wall
S	"	4	7'-4	29'-4	Bracket
U	"	36	3'-5	123'-0	Rail Curb
U1	"	12	4'-2	50'-0	Rail Curb at Posts
TOTAL 1½" ϕ BARS			1064'-4		711 Lbs.
A	⅞" ϕ	43	34'-11	1501'-5	Slab
B	"	43	38'-6	1655'-6	"
C	"	42	34'-9	1459'-6	"
D	"	50	39'-8	1983'-4	"
J	"	3	29'-7"	88'-9	Diaphragms
J1	"	4	30'-9	123'-0	Curtain Wall
J2	"	8	5'-4	42'-8	End Brackets
L	"	24	4'-3½	103'-0	Handrail Posts
L1	"	84	4'-0¾	339'-6	Handrail
N	"	250	7'-6	1875'-0	Beams
TOTAL ⅞" ϕ Bars			9171'-8	=	9566 Lbs.
F	1⅛" ϕ	2	42'-11	85'-10	Beams A
G	"	4	42'-11	171'-8	" "
P	"	4	39'-5"	157'-8	" "
TOTAL 1⅛" ϕ Bars			415'-2"	=	1786 Lbs.
E	1¼" ϕ	15	42'-3	633'-9	All Beams
F1	"	3	43'-3	129'-9	Beams B & C
G1	"	6	43'-3	259'-6	" "
P1	"	6	39'-9	238'-6	" "
TOTAL 1¼" ϕ Bars			1261'-6"	=	6702 Lbs.
Total Reinforcing Steel					18765 Lbs.
Class "A" Concrete					5.30 Cu. Yds.
Fabricated Structural Steel					1.10 Lbs.

* Includes Handrail Quantities

GENERAL NOTES:
Const. Specs.-Latest Approved La. Hwy. Dept. Std. Specs.
Design Specs.-Louisiana Highway Commission, 1940.
Live Load-H20. Dead Load-Calculated weight of Concrete plus 15 #/S.F. Future Wearing Surface.
All concrete to be Class "A".
Dimensions to Reinforcing Steel are to bar centers.
Exposed corners to have ¾" diameter fillets otherwise noted.

Void 4/15/46

DATE	DESCRIPTION	BY
Jan. 46	Gen. Notes & Std. No.	

REVISIONS

STANDARD PLAN
REINFORCED CONCRETE
DECK GIRDER SPANS
28'-0 ROADWAY
65° CROSSING - BOULEVARD SECTION
40'-0 SPAN
DATED FEB. ___ 1944 TO BE USED WITH C-S-100-20

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED ___ DETAILED HUCY TRACED ___
CHECKED ___ CHECKED ___ CHECKED ___
IN CHARGE OF ___ Head Bridge Draftsman

SHEET 2 OF 2

(old CG-106)

C-G-100-20

FOR INFORMATIONAL PURPOSES ONLY