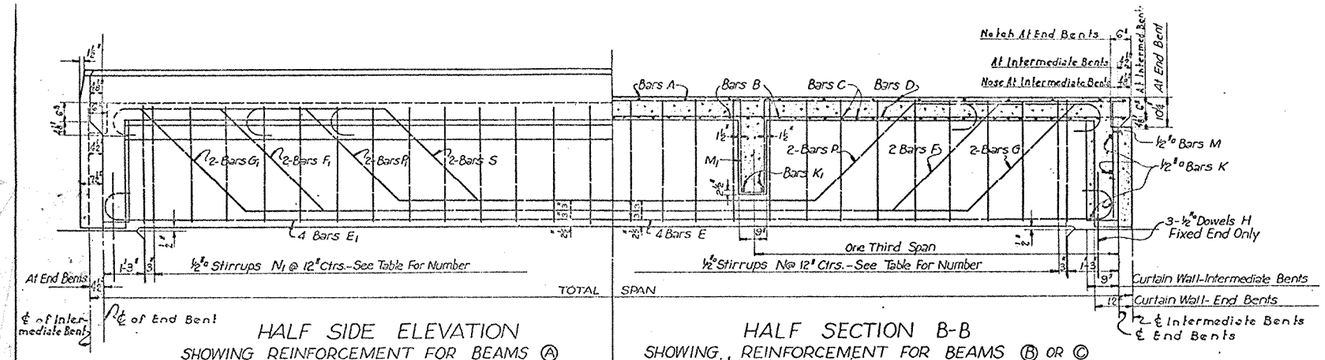
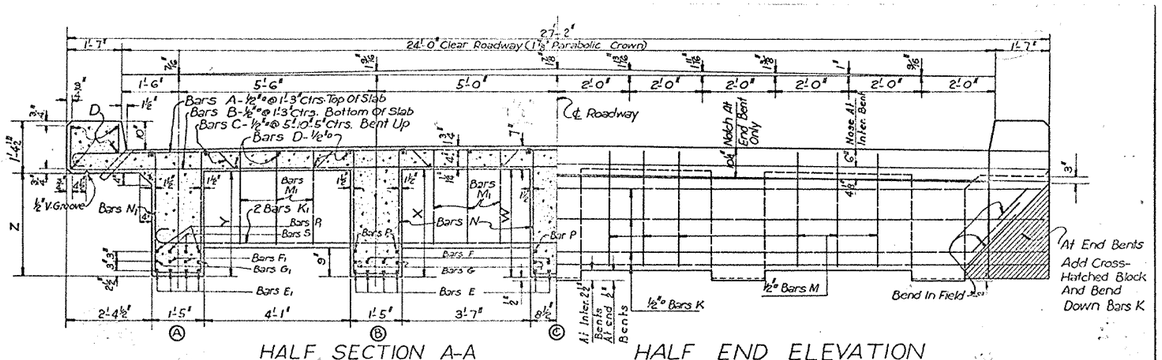


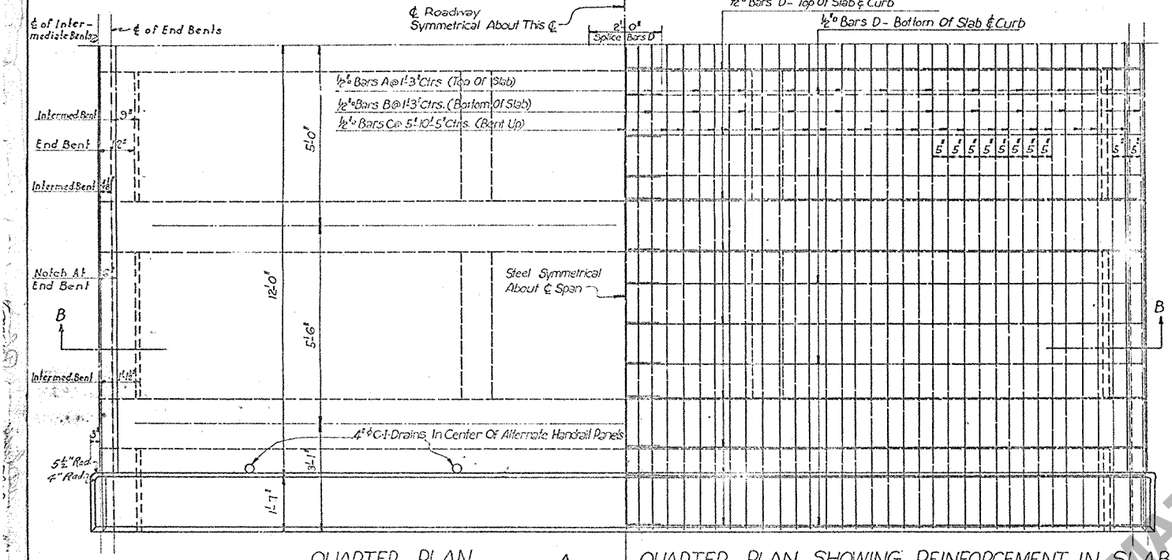
HALF SIDE ELEVATION
SHOWING REINFORCEMENT FOR BEAMS Ⓐ

HALF SECTION B-B
SHOWING REINFORCEMENT FOR BEAMS Ⓑ OR Ⓒ



HALF SECTION A-A

HALF END ELEVATION



QUARTER PLAN

A — QUARTER PLAN SHOWING REINFORCEMENT IN SLAB

BILL OF REINFORCING STEEL

TOTAL SPAN	Bars A-½"ø Slab		Bars B-½"ø Slab		Bars C-½"ø Slab		Bars D-½"ø Slab		Bars E Beams Ⓑ & Ⓒ		Bars F Beams Ⓑ & Ⓒ		Bars G Beams Ⓑ & Ⓒ		Bars E1 Beam Ⓐ		Bars F1 Beam Ⓐ		Bars G1 Beam Ⓐ		Bars H-½"ø Dowels		Bars K-½"ø Curtain Walls		Bars M-½"ø Curtain Walls		Bars N-½"ø Stirrups Beams Ⓑ & Ⓒ		Bars N1-½"ø Stirrups Beam Ⓐ		Bars P Beams Ⓑ & Ⓒ		Bars S Beam Ⓐ	
Feet In.	No.	Lg.	No.	Lg.	No.	Lg.	No.	Lg.	No.	Size	Lg.	No.	Size	Lg.	No.	Size	Lg.	No.	Size	Lg.	No.	Size	Lg.	No.	Lg.	No.	Lg.	No.	Lg.	No.	Lg.	No.	Size	Lg.	No.	Size	Lg.
45'-9"	38	26'-0"	38	29'-0"	72	28'-10"	60	23'-8"	12	1⅛"	47'-1"	6	1"ø	48'-5"	6	1⅛"	48'-8"	8	1⅛"	47'-1"	4	1⅛"	48'-8"	4	1⅛"	48'-8"	15	3'-4"	8	26'-8"	24	2'-7"	135	7'-10"	90	7'-7"	6	1"ø	41'-7"	4	1⅛"ø	37'-9"
50'-9"	42	26'-0"	42	29'-0"	80	28'-10"	60	26'-0"	12	1⅛"	52'-1"	6	1⅛"	54'-0"	6	1⅛"	54'-0"	8	1¼"	52'-4"	4	1⅛"	54'-0"	4	1⅛"	54'-0"	15	3'-4"	8	26'-8"	24	3'-0"	150	8'-7"	100	8'-5"	6	1⅛"	45'-10"	4	1⅛"ø	41'-2"

TOTAL SPAN	Bars M1-½"ø Diaphrams		Bars K1-1⅛"ø Diaphrams		Bars P1 Beam Ⓐ		
Feet In.	No.	Lg.	No.	Lg.	No.	Size	Lg.
45'-9"	24	5'-6"	4	24'-6"	4	1⅛"	41'-6"
50'-9"	24	6'-4"	4	26'-6"	4	1⅛"	45'-6"

BAR BENDING TABLE

TOTAL SPAN	Bars E	Bars E1	Bars F							Bars F1						Bars G								Bars G1					Bars N	Bars N1	Bars P							Bars P1					Bars S								Bars M1	Bars K1
Feet In.	f	f	a	b	c	d	e	a	b	c	d	e	a	b	c	d	e	a	b	c	d	e	h	a	b	c	d	e	h	h	a	b	c	d	e	a	b	c	d	e	a	b	c	d	e	a	b	c	d	e	h	f
45'-9"	44'-8"	44'-8"	2'-9"	2'-5½"	33'-10"	3'-5½"	44'-3"	2'-10½"	2'-4"	33'-10"	3'-5½"	44'-3"	0'-11"	2'-5½"	31'-6"	3'-5½"	44'-3"	1'-0½"	2'-4"	37'-6"	3'-3½"	44'-3"	2'-10½"	2'-9"	1'-6"	2'-2½"	30'-2"	3'-1½"	37'-4"	1'-6"	2'-1"	30'-2"	2'-11⅝"	37'-4"	1'-6"	2'-1"	26'-6"	2'-11⅝"	33'-8"	2'-0"	22'-1"
50'-9"	49'-8"	49'-8"	3'-1"	2'-10½"	37'-4"	4'-0⅝"	49'-3"	3'-2½"	2'-9"	37'-4"	3'-10⅝"	49'-3"	0'-11"	2'-10½"	41'-8"	4'-0⅝"	49'-3"	1'-0½"	2'-9"	41'-8"	3'-10⅝"	49'-3"	3'-3½"	3'-2"	1'-6"	2'-7½"	33'-0"	3'-8⅝"	41'-3"	1'-6"	2'-6"	33'-0"	3'-8⅝"	41'-0"	1'-6"	2'-6"	29'-8"	3'-6⅝"	36'-8"	2'-5"	22'-1"

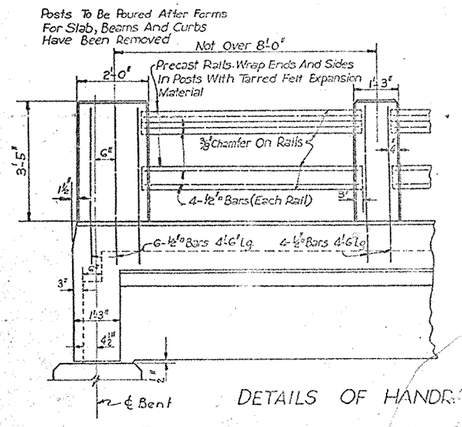
DIMENSIONS AND QUANTITIES

TOTAL SPAN Feet In.	DIMENSIONS W	X	Y	Z	STIRRUP SPACING Beams Ⓐ Ⓑ or Ⓒ	QUANTITIES (Not Including Handrail) Concrete (Class A-A) Cu.Yds.	Rein. Steel Pounds
45'-9"	2'-7"	2'-6⅝"	2'-5½"	2'-5½"	42 Spaces @ 12"	65.10 Add 1.00 Cu.Yds. For End Span	17221
50'-9"	3'-0"	2'-11⅝"	2'-10½"	2'-10½"	47 Spaces @ 12"	78.08 Add 1.25 Cu.Yds. For End Span	20140

For Single Span Add 15 Dowels H or 42 Lbs. Rein. Steel.
For Single Span Add 5'-½" × 1'-5" × 1'-6" Risers or .02 Cu.Yds. Class A-A Conc.

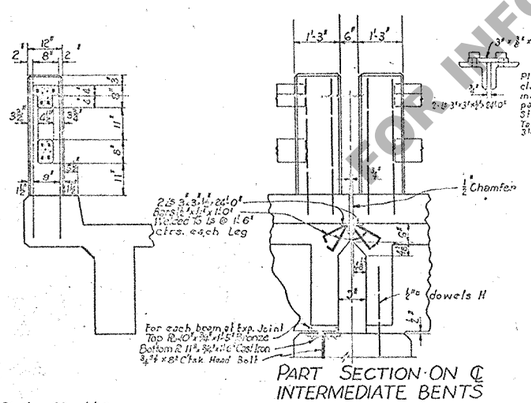
GENERAL NOTES

Specifications: Louisiana Highway Commission
Live Load - H 15
Dead Load - Calculated Weight Of Concrete
Concrete To Be Class A-A
All Dimensions Of Reinforcing Steel Are To Bar Centers
Bar Splices Are Allowed Only Where Shown
All Exposed Corners Except As Indicated To Have ¾" Chamfer
Curbs, Slab And Beam Stems To Be Placed In One Continuous Operation
Structural Steel, Bronze, And C.I. Plates Are To Be Paid For As Structural Steel
Drains And Elastic Expansion Material Are To Be Included In Price Bid For Concrete



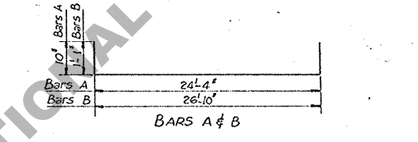
DETAILS OF HANDRAIL

QUANTITIES
ONE END POST— Concrete .253 Cu.Yds. Rein. Steel 23 Lbs.
ONE INTERMEDIATE POST— Concrete .158 Cu.Yds. Rein. Steel 15.3 Lbs.
RAILING PER LIN. FT. (2 Sides) Concrete .0433 Cu.Yds. Rein. Steel 13.6 Lbs.

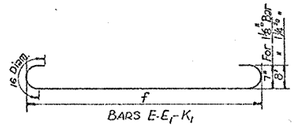


PART SECTION ON ℄ INTERMEDIATE BENTS

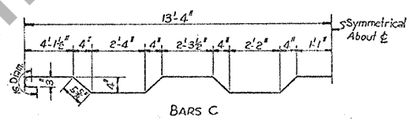
Material Billed For One Expansion Joint.
Expansion Joints At One Span Intervals.
QUANTITIES { CAST IRON 211 Lbs. BRONZE — 180 Lbs. STRUCTURAL STEEL 457 Lbs. } TOTAL 848 Lbs.
When Expansion For Two Spans Occurs Over Same Bent Add 397 Lbs. To Quantities Shown Above.



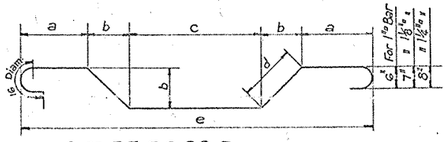
BARS A & B



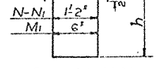
BARS E-E1-F1-K1



BARS C

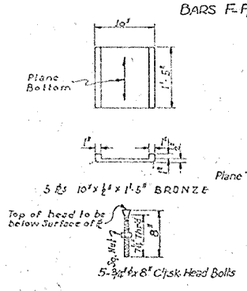


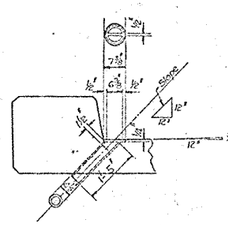
BARS F-F1-G-G1-P-P1-S



BARS M1-N-N1

BAR BENDING DIAGRAMS





4" ø CAST IRON DRAIN

STANDARD 24' ROADWAY REINFORCED CONCRETE DECK GIRDERS SPANS 45'-9" AND 50'-9"

LOUISIANA HIGHWAY COMMISSION

BATON ROUGE LA. JUNE 1930