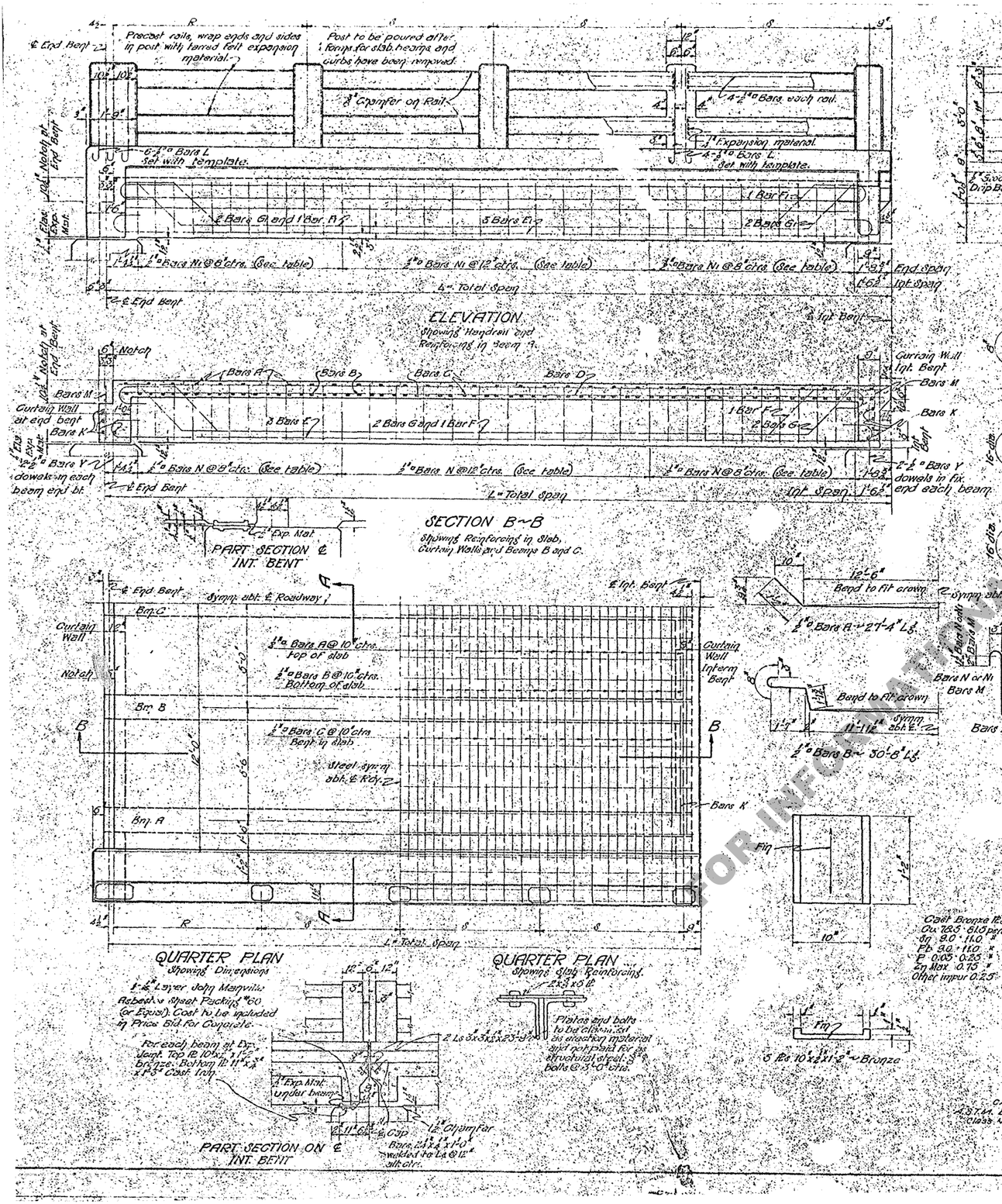

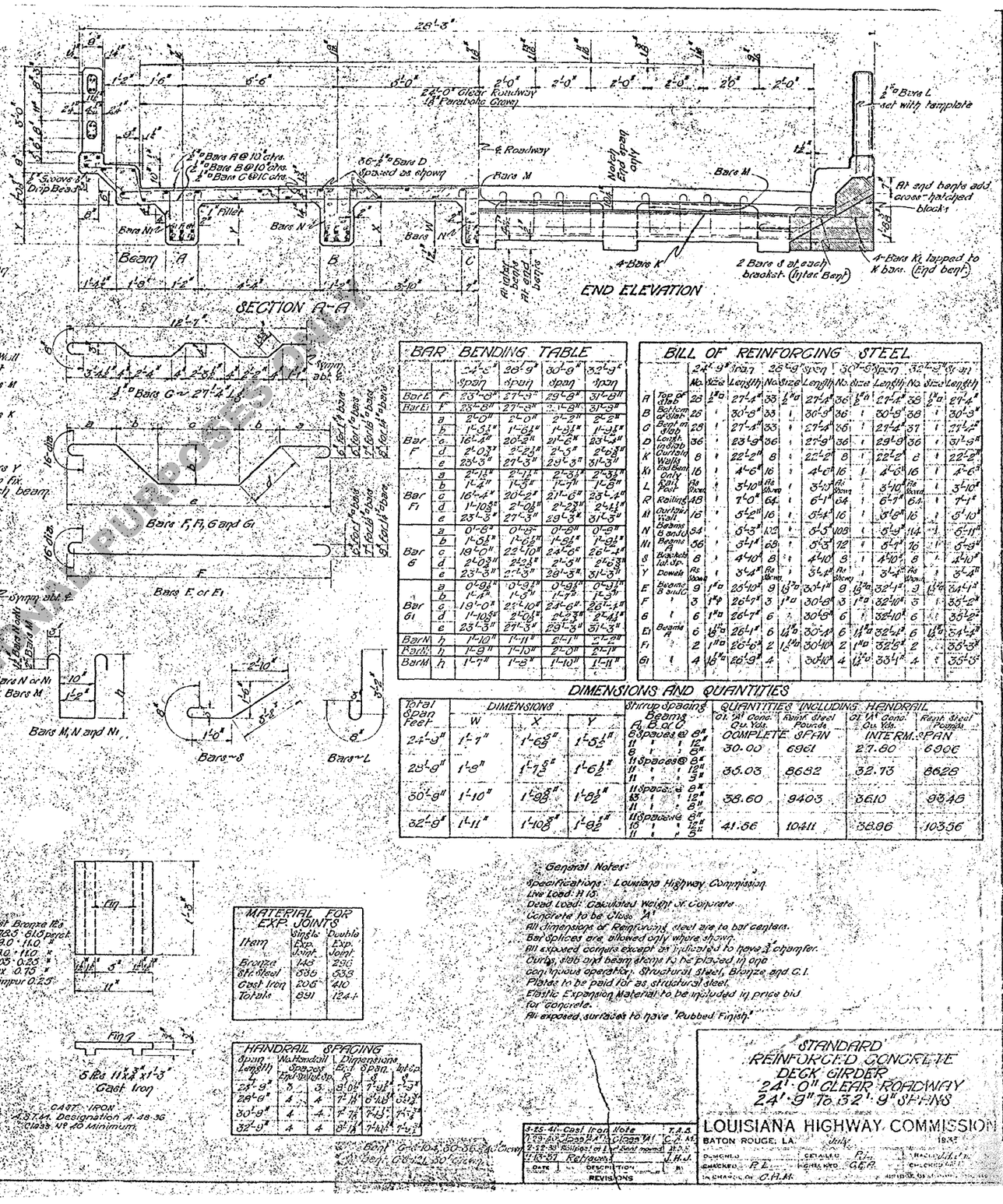

BAR BENDING TABLE

		24'-9" span	28'-9" span	30'-9" span	32'-9" span
Bar L	F	23'-3"	27'-3"	29'-3"	31'-3"
Bar L1	F	23'-3"	27'-3"	29'-3"	31'-3"
Bar F	a	2'-0"	2'-0"	2'-2"	2'-2"
	b	1'-5 1/2"	1'-6 1/2"	1'-8 1/2"	1'-9 1/2"
	c	16'-4"	20'-2"	21'-6"	23'-4"
	d	2'-0 3/4"	2'-2 3/4"	2'-5"	2'-6 3/4"
	e	23'-3"	27'-3"	29'-3"	31'-3"
Bar F1	a	2'-1 1/2"	2'-1 1/2"	2'-3 1/2"	2'-3 1/2"
	b	1'-2"	1'-3 1/2"	1'-5"	1'-6"
	c	16'-4"	20'-2"	21'-6"	23'-4"
	d	1'-10 3/8"	2'-0 3/8"	2'-2 3/8"	2'-4 1/8"
	e	23'-3"	27'-3"	29'-3"	31'-3"
Bar G	a	0'-8"	0'-9"	0'-8"	0'-9"
	b	1'-5 1/2"	1'-6 1/2"	1'-8 1/2"	1'-9 1/2"
	c	19'-0"	22'-10"	24'-6"	26'-4"
	d	2'-0 3/4"	2'-2 3/4"	2'-5"	2'-6 3/4"
	e	23'-3"	27'-3"	29'-3"	31'-3"
Bar G1	a	0'-9 1/2"	0'-9 1/2"	0'-9 1/2"	0'-9 1/2"
	b	1'-2"	1'-3"	1'-5"	1'-5"
	c	19'-0"	22'-10"	24'-6"	26'-4"
	d	1'-10 3/8"	2'-0 3/8"	2'-2 3/8"	2'-4 1/8"
	e	23'-3"	27'-3"	29'-3"	31'-3"
Bar N	h	1'-10"	1'-11"	2'-1"	2'-2"
Bar N1	h	1'-9"	1'-10"	2'-0"	2'-1"
Bar M	h	1'-7"	1'-8"	1'-10"	1'-11"

BILL OF REINFORCING STEEL

		24'-9" span			28'-9" span			30'-9" span			32'-9" span		
		No.	Size	Length	No.	Size	Length	No.	Size	Length	No.	Size	Length
A	Top of slab	28	1/2" ⌀	27'-4"	33	1/2" ⌀	27'-4"	36	1/2" ⌀	27'-4"	38	1/2" ⌀	27'-4"
B	Bottom of slab	28		30'-8"	33		30'-8"	36		30'-8"	38		30'-8"
C	Bent in Slab	28		27'-4"	33		27'-4"	36		27'-4"	37		27'-4"
D	Length in Slab	36		23'-9"	36		27'-9"	36		29'-9"	36		31'-9"
K	Curtain Walls	8		22'-2"	8		22'-2"	8		22'-2"	8		22'-2"
K1	End Beam Only	16		4'-6"	16		4'-6"	16		4'-6"	16		4'-6"
L	Rail Post	3	Rs Wrought	3'-10"	3	Rs Wrought	3'-10"	Rs Wrought		3'-10"	Rs Wrought		3'-10"
R	Railing	48		7'-0"	64		6'-1"	64		6'-1"	64		7'-1"
M	Curtain Wall	16		5'-2"	16		5'-4"	16		5'-6"	16		5'-10"
N	Beams B and C	54		5'-3"	102		5'-5"	108		5'-9"	114		5'-11"
N1	Beams	56		5'-1"	68		5'-3"	72		5'-7"	76		5'-9"
S	Brackets 1st Sp.	6		4'-10"	8		4'-10"	8		4'-10"	8		4'-10"
Y	Dowels	3	Rs Wrought	3'-4"	3	Rs Wrought	3'-4"	Rs Wrought		3'-4"	Rs Wrought		3'-4"
E	Beams B and C	9	1" ⌀	25'-10"	9	1 1/2" ⌀	30'-1"	9	1 1/2" ⌀	32'-1"	9	1 1/2" ⌀	34'-1"
F		3	1" ⌀	26'-1"	3	1" ⌀	30'-8"	3	1" ⌀	32'-10"	3		35'-2"
G		6	1" ⌀	26'-1"	6		30'-8"	6		32'-10"	6		35'-2"
E1	Beams A	6	1 1/2" ⌀	26'-1"	6	1 1/2" ⌀	30'-1"	6	1 1/2" ⌀	32'-1"	6	1 1/2" ⌀	34'-1"
F1		2	1" ⌀	26'-6"	2	1" ⌀	30'-10"	2	1" ⌀	32'-6"	2		35'-3"
G1		4	1/2" ⌀	26'-9"	4		30'-10"	4	1/2" ⌀	33'-1"	4		35'-3"

DIMENSIONS AND QUANTITIES

Total Span Feet	DIMENSIONS W	X	Y	Stirrup Spacing Beams A, B or C	QUANTITIES INCLUDING HANDRAIL Cu. Yds. Conc. Cu. Yds.	Reinf. Steel Pounds	Cu. Yds. Conc. Cu. Yds.	Reinf. Steel Pounds
					COMPLETE SPAN		INTERM. SPAN	
24'-9"	1'-7"	1'-6 3/8"	1'-5 1/2"	8 Spaces @ 8"				
				11 " " 12"				
				8 " " 8"	30.00	6961	27.80	6906
28'-9"	1'-8"	1'-7 3/8"	1'-6 1/2"	11 Spaces @ 8"				
				11 " " 12"				
				11 " " 9"	35.03	8682	32.73	8628
30'-9"	1'-10"	1'-8 3/8"	1'-6 1/2"	11 Spaces @ 8"				
				15 " " 12"				
				11 " " 8"	38.60	9403	36.10	9346
32'-9"	1'-11"	1'-10 3/8"	1'-8 1/2"	11 Spaces @ 8"				
				16 " " 12"				
				11 " " 8"	41.66	10411	38.96	10356

MATERIAL FOR EXP. JOINTS

Item	Single Exp. Joint	Double Exp. Joint
Bronze	148	296
Structural Steel	336	538
Cast Iron	206	410
Totals	691	1244

HANDRAIL SPACING

Span Length	No. Handrail Spaces End	Intermediate	Dimensions R	S	Span	Intermediate
24'-9"	3	3	9'-0"	7'-11"	8'-3"	8'-3"
28'-9"	4	4	7'-11"	6'-11"	8'-1"	8'-1"
30'-9"	4	4	7'-7"	7'-1"	7'-11"	7'-11"
32'-9"	4	4	8'-1"	7'-11"	7'-11"	7'-11"

General Notes:

Specifications: Louisiana Highway Commission.
Live Load: H 15.
Dead Load: Calculated Weight of Concrete.
Concrete to be Class "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 3/4" chamfer.
Curbs, slab and beam stems to be placed in one continuous operation. Structural steel, Bronze and C.I. Plates to be paid for as structural steel.
Elastic Expansion Material to be included in price bid for concrete.
All exposed surfaces to have "Rubbed Finish."

REVISIONS		
3-25-41	Cast Iron Note	T.A.A.
1-19-40	Loads H-15 Class 1A	C.A.M.
2-22-38	Railings at Int. Bent removed	J.D.S.
1-13-37	Railings	J.H.M.
DATE	DESCRIPTION	BY

STANDARD
REINFORCED CONCRETE
DECK GIRDER
24'-0" CLEAR ROADWAY
24'-9" To 32'-9" SPANS

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. July 1936

DESIGNED — DETAILED R.L. — TRACED J.H.M.
CHECKED R.L. — REVIEWED G.E.R. — CHECKED
IN CHARGE OF C.H.M.

FOR INFORMATIONAL PURPOSES ONLY