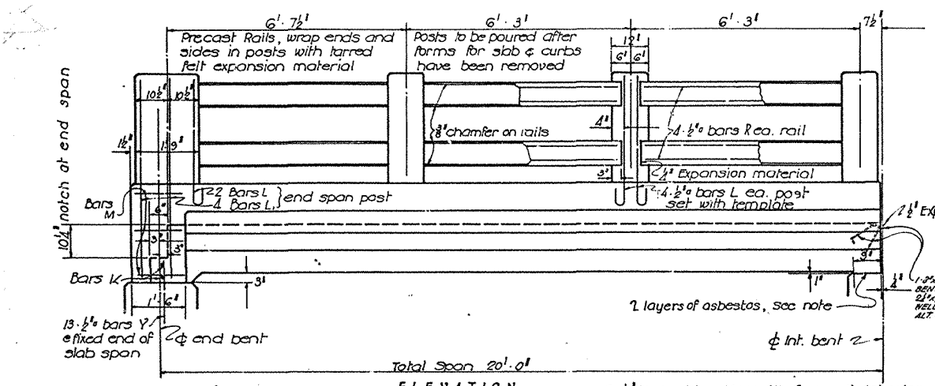
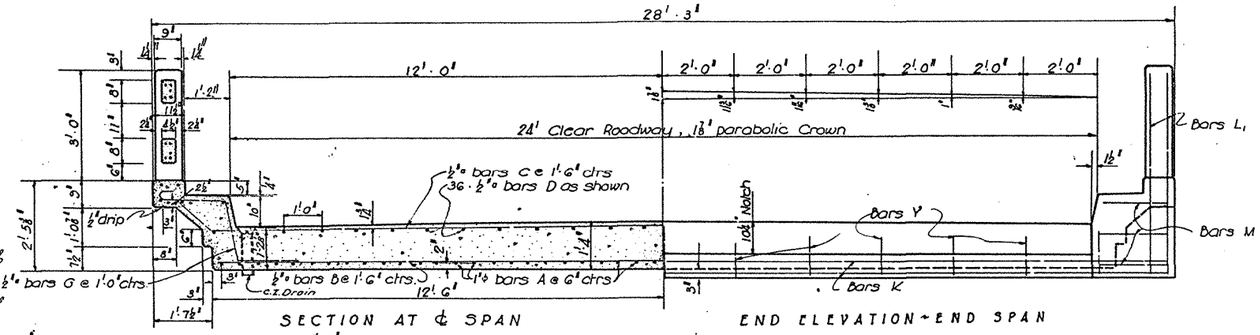
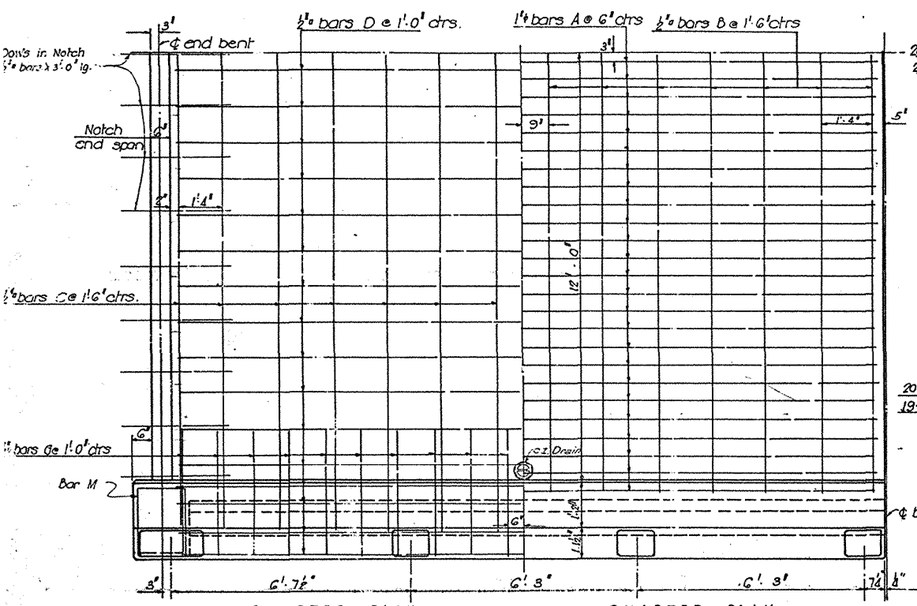
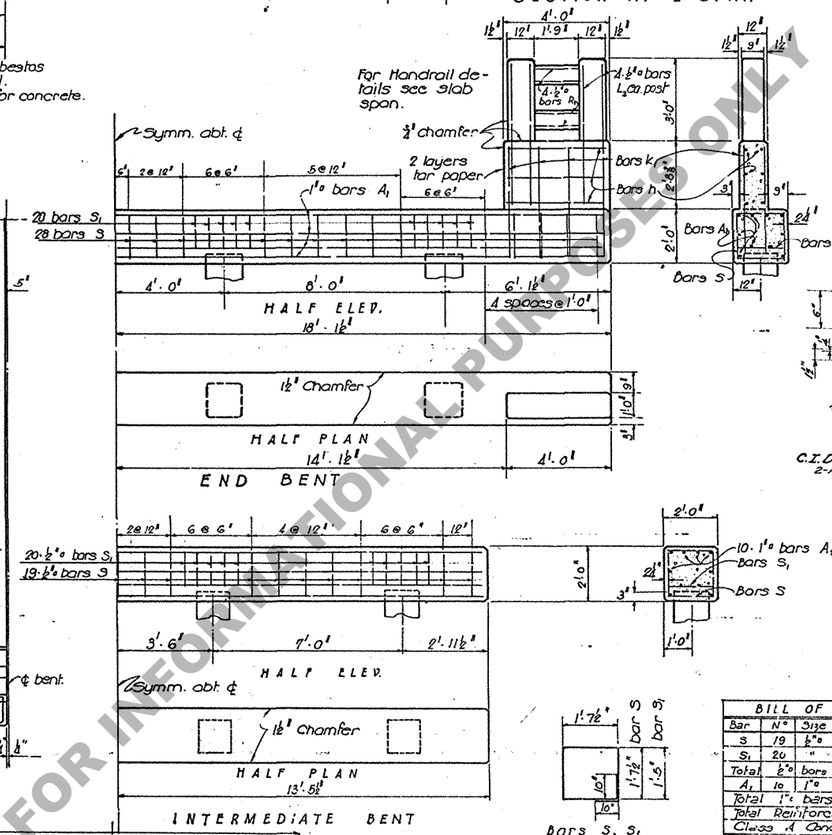
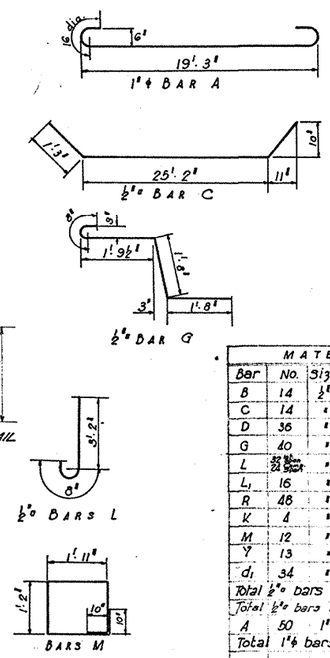


2-16" layers Johns-Mansville (or equal) Asbestos sheet packing #60 at expansion end. Cost to be included in unit price bid for concrete.









General Notes:

Specifications Lo. Highway Commission.
All Conc. in Slab Span to be Class "A".
All Conc. in bents to be Class "A"

All exposed corners to have ¾" chamfer unless noted.
All exposed surfaces except roadway slab to have Rubbed Finish.
C.I. Drains to be included in price bid for other items.

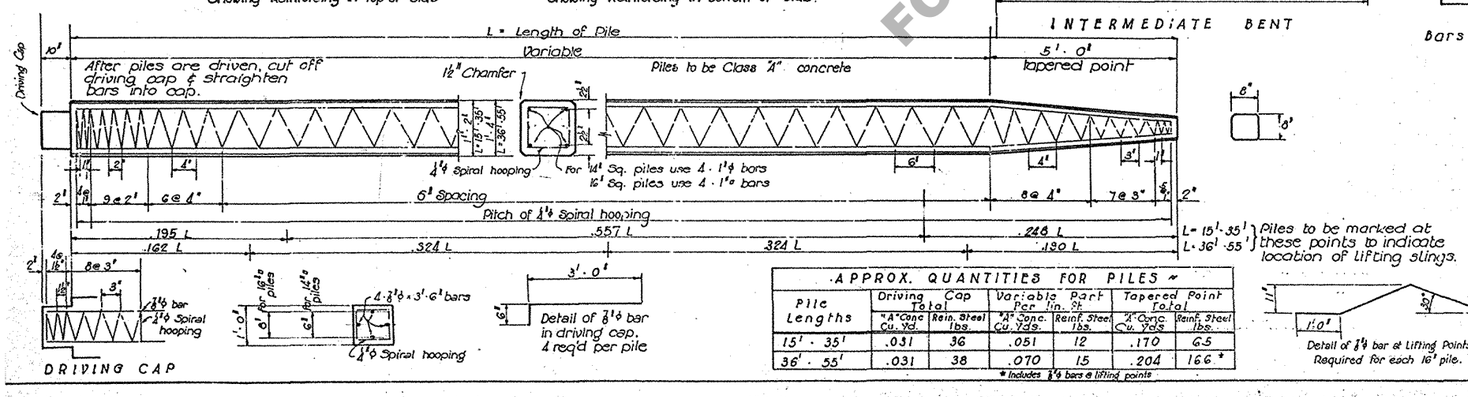
MATERIALS FOR SLAB SPAN					
Bar	No.	Size	Unit Lg.	Total Lg.	Location
B	14	½"ϕ	24'-8"	345'-4"	Trans. bot. of slab.
C	14	"	27'-8"	387'-4"	Trans. top of slab
D	36	"	19'-3"	693'-0"	Longit. top of slab
G	40	"	5'-8"	226'-8"	Slab to curb
L	22 Main 22 Short	"	3'-10"	122'-8" 82'-0"	Vert. in Posts
L₁	16	"	5'-3"	84'-0"	End post Comp. Span only
R	48	"	5'-6"	264'-0"	Horiz. in Rails.
K	4	"	27'-10"	111'-4"	Comp. Span only.
M	12	"	7'-10"	94'-0"	" " "
Y	13	"	2'-6"	32'-6"	Fixed end of span
d₁	34	"	3'-0"	102'-0"	dowels complete span
Total ½"ϕ bars Comp. span				2439'-2"	=2067 Pounds.
Total ½"ϕ bars Interm Span				2071'-6"	=1761 Pounds.
A	50	1"ϕ	21'-5"	1070'-10"	Slab longitudinal
Total 1"ϕ bars				1070'-10"	2859 lbs.

Total Reinforcing Steel (Intermediate Span)	4620 lbs.
Total Reinforcing Steel (One Complete Span)	4926 lbs.
Class "A" Concrete (Intermediate Span)	27.72 Cu. yd.
Class "A" Concrete (One Complete Span)	29.27 Cu. yd.
STRUCTURAL STEEL (ONE INTERMEDIATE SPAN)	539 LBS

BILL OF MATERIAL - INTER. BENT					
Bar	No.	Size	Unit. Lg.	Total Lg.	Location
S	19	½"ϕ	8'-2"	155'-2"	Hoops in Cap
S₁	20	"	7'-8"	155'-0"	" " "
Total	½"ϕ bars			310'-2"	= 263 lbs.
A₁	10	1"ϕ	26'-6"	265'-0"	Long. in Cap.
Total 1"ϕ bars				268'-0"	= 301 lbs
Total Reinforcing Steel					1165 Pounds
Class "A" Concrete					3.94 Cu. Yds

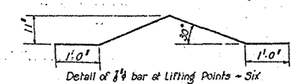
BILL OF MATERIAL - END BENT					
S	28	½"ϕ	8'-2"	228'-8"	Hoops in Cap
S₁	20	"	7'-8"	155'-0"	" " "
h	12	"	3'-10"	46'-0"	Wing
K₁	16	"	4'-0"	64'-0"	Ring
R₁	16	"	2'-1"	33'-4"	Railing
L₂	16	"	4'-6"	72'-0"	Posts
Total ½"ϕ bars				589'-0"	= 503 lbs
A₂	10	1"ϕ	35'-8"	357'-6"	Longit. in Cap
Total 1"ϕ bars				357'-6"	= 1216 lbs.
Total Reinforcing Steel					1726 lbs.
Class "A" Concrete					6.33 Cu. yds.

Pile loading 62.0 tons.



APPROX. QUANTITIES FOR PILES						
Pile Lengths	Driving Cap Total		Variable Part Per lin. ft		Tapered Point Total	
	"A" Conc Cu. Yd.	Rein. Steel lbs.	"A" Conc. Cu. Yds.	Reinf. Steel lbs.	"A" Conc Cu. Yds	Reinf. Steel lbs.
15'-35'	.031	36	.051	12	.170	65
36'-55'	.031	38	.070	15	.204	166*

* Includes ⅞"ϕ bars & lifting points



Detail of ⅞"ϕ bar & Lifting Points - Six Required for each 16' pile.

Date	Description	By
12-2-41	All Concrete to Class "A"	G.C.W.
12-5-41	C.I. Drain Added (2-Req'd)	G.C.W.
10-7-27	STRUCTURAL STEEL ADDED	C.E.A.
9-13-35	Dim. "R" Girder, Curb-CL.-A.A. Conc	A.G.W.
1-20-35	Dimens. Guardrailing, Int. bent Pile spacing	J.J.K.

REVISIONS

STANDARD PLAN
CONCRETE SLAB SPAN AND PILE BENT
24'-0" ROADWAY
20'-0" SPAN

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. Sept. , 1933

Designed Henry Fleming — Detailed Henry Fleming — Traced Y. Pierson
Checked Wallace — Checked Walton — Checked J.A. Brian
In Charge of Charles A. Wilford — Bridge Designing Engineer

C-G-20

Vol. 12-21-45

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