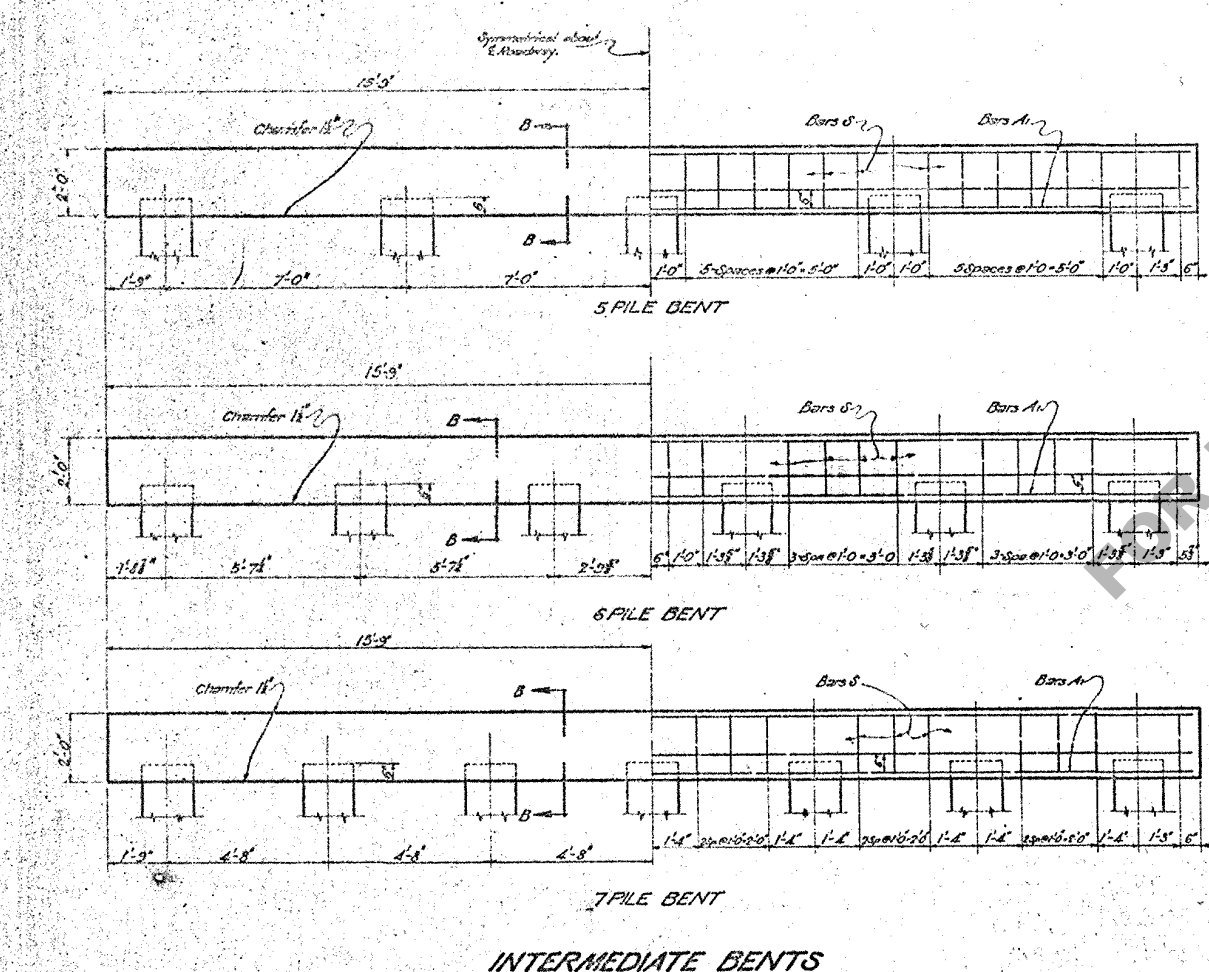
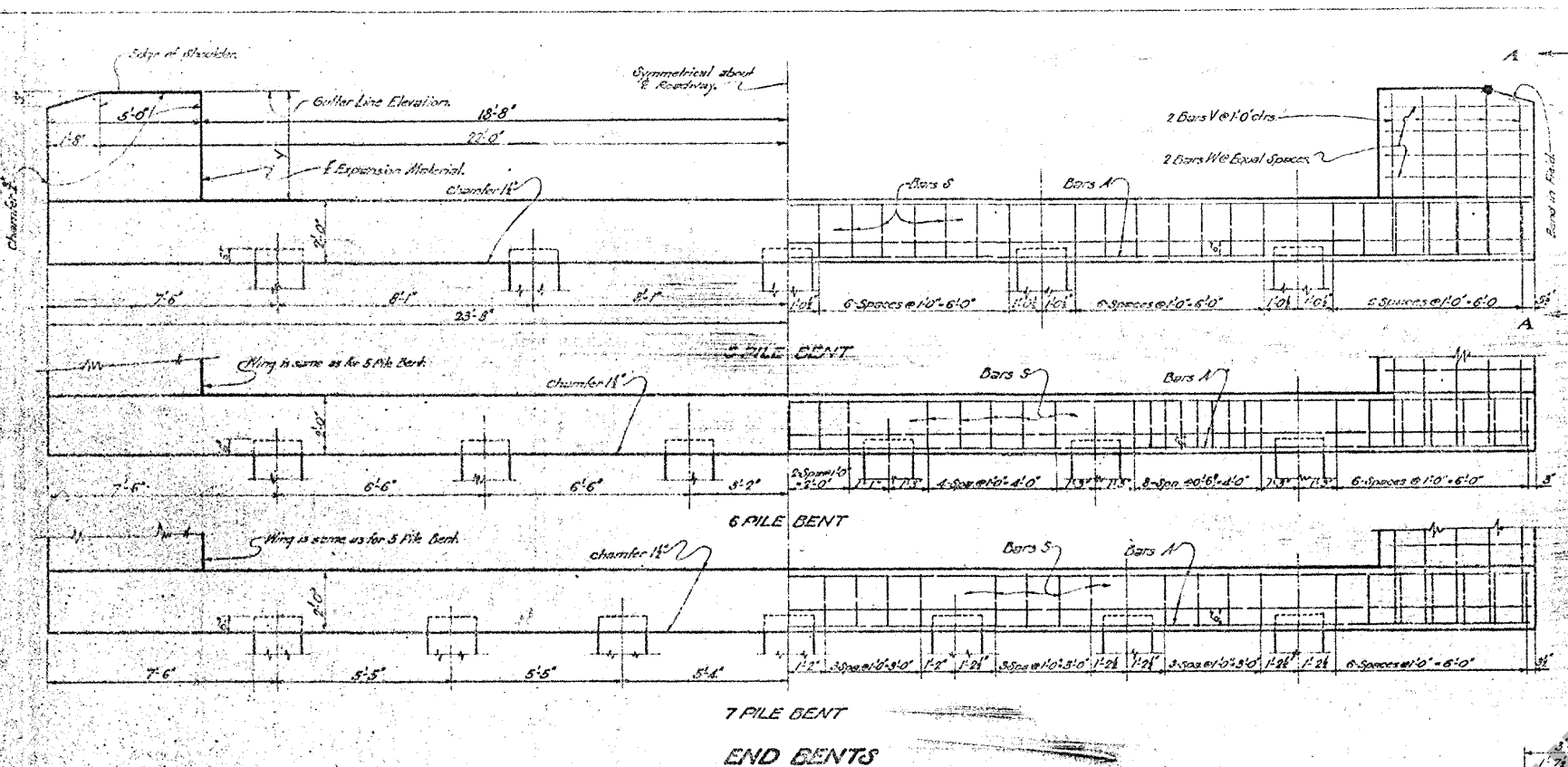
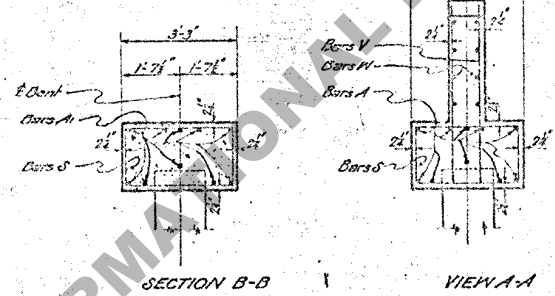


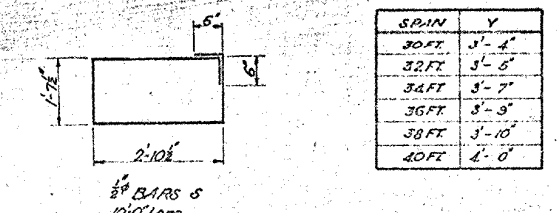


INTERMEDIATE BENTS



NOTE: FOR DETAILS OF CONCRETE PILES SEE STANDARD PLAN C-5-142.

END BENTS ~ 30 TO 40 FT SPANS																								
30 FT SPAN				32 FT SPAN				34 FT SPAN				36 FT SPAN				38 FT SPAN				40 FT SPAN				
BAR	NO.	SIZE	UNIT LENGTH	TOTAL LENGTH	BAR	NO.	SIZE	UNIT LENGTH	TOTAL LENGTH	BAR	NO.	SIZE	UNIT LENGTH	TOTAL LENGTH	BAR	NO.	SIZE	UNIT LENGTH	TOTAL LENGTH	BAR	NO.	SIZE	UNIT LENGTH	TOTAL LENGTH
S	42	1/2"	10'-0"	420'-0"	S	42	1/2"	10'-0"	420'-0"	S	42	1/2"	10'-0"	420'-0"	S	42	1/2"	10'-0"	420'-0"	S	42	1/2"	10'-0"	420'-0"
A	47	1/2"	10'-0"	470'-0"	A	47	1/2"	10'-0"	470'-0"	A	47	1/2"	10'-0"	470'-0"	A	47	1/2"	10'-0"	470'-0"	A	47	1/2"	10'-0"	470'-0"
V	20	5/8"	10'-0"	200'-0"	V	20	5/8"	10'-0"	200'-0"	V	20	5/8"	10'-0"	200'-0"	V	20	5/8"	10'-0"	200'-0"	V	20	5/8"	10'-0"	200'-0"
W	16	4/8"	7'-6"	121'-6"	W	16	4/8"	7'-6"	121'-6"	W	16	4/8"	7'-6"	121'-6"	W	16	4/8"	7'-6"	121'-6"	W	16	4/8"	7'-6"	121'-6"
Total S				420'-0"	Total S				420'-0"	Total S				420'-0"	Total S				420'-0"	Total S				420'-0"
Total A				470'-0"	Total A				470'-0"	Total A				470'-0"	Total A				470'-0"	Total A				470'-0"
Total V				200'-0"	Total V				200'-0"	Total V				200'-0"	Total V				200'-0"	Total V				200'-0"
Total W				121'-6"	Total W				121'-6"	Total W				121'-6"	Total W				121'-6"	Total W				121'-6"
Class A Conc. = 1244 cu yds					Class A Conc. = 1244 cu yds					Class A Conc. = 1244 cu yds					Class A Conc. = 1244 cu yds					Class A Conc. = 1244 cu yds				
Reinf. Steel = 2892 Lbs					Reinf. Steel = 2892 Lbs					Reinf. Steel = 2892 Lbs					Reinf. Steel = 2892 Lbs					Reinf. Steel = 2892 Lbs				



INTERMEDIATE BENTS				
BAR	SIZE	NO.	UNIT LENGTH	TOTAL LENGTH
5 PILE BENT				
S	1/2"	26	10'-0"	260'-0"
A	1/2"	10	31'-2"	311'-8"
Total S Bars				260'-0"
Total A Bars				311'-8"
Class A Concrete				1656 Lbs
Reinforcing Steel				1234 Lbs
6 PILE BENT				
S	1/2"	22	10'-0"	220'-0"
A	1/2"	10	31'-2"	311'-8"
Total S Bars				220'-0"
Total A Bars				311'-8"
Class A Concrete				1656 Lbs
Reinforcing Steel				1803 Lbs
7 PILE BENT				
S	1/2"	20	10'-0"	200'-0"
A	1/2"	10	31'-2"	311'-8"
Total S Bars				200'-0"
Total A Bars				311'-8"
Class A Concrete				1656 Lbs
Reinforcing Steel				1194 Lbs

DESIGN LOAD - NUMBER AND SIZE OF PILES					
SPAN	END BENT	INTERMEDIATE BENT			
STANDARD	NO. TOTAL DESIGN LOAD IN TONS	NO. PILES	NO. PILES	NO. PILES	NO. PILES
C.G. 20-20					
30'	183.6	16 7/8	7 @ 32.2 Tons	183.6	16 7/8
32'	193.4	16 7/8	7 @ 32.2 Tons	193.4	16 7/8
34'	204.2	16 7/8	7 @ 32.2 Tons	204.2	16 7/8
36'	215.4	16 7/8	7 @ 32.2 Tons	215.4	16 7/8
38'	226.3	16 7/8	7 @ 32.2 Tons	226.3	16 7/8
40'	236.9	16 7/8	7 @ 32.2 Tons	236.9	16 7/8

Max. Pile Loads Unless Otherwise Indicated By Br. Design Section.
 14" R.C. Piles = 30 Tons Per Pile.
 16" R.C. Piles = 34 Tons Per Pile.
 18" R.C. Piles = 39 Tons Per Pile.

GENERAL NOTES:
 Construction Specifications Approved by Highway Dept.
 Design Specifications - AASHTO 1941.
 Load Factor 1.40.
 All concrete to be class "A".
 All reinforcement to be class "A".
 Quantities computed assuming use of 16" piling.
 Cost of expansion material to be included in price bid for other items.

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED BY: J. L. H. CHECKED BY: J. L. H. TRACED BY: J. L. H.

DATE: 11-1-55

REVISIONS:

C5-20-20 (1012 C.S. 193) C-5-2