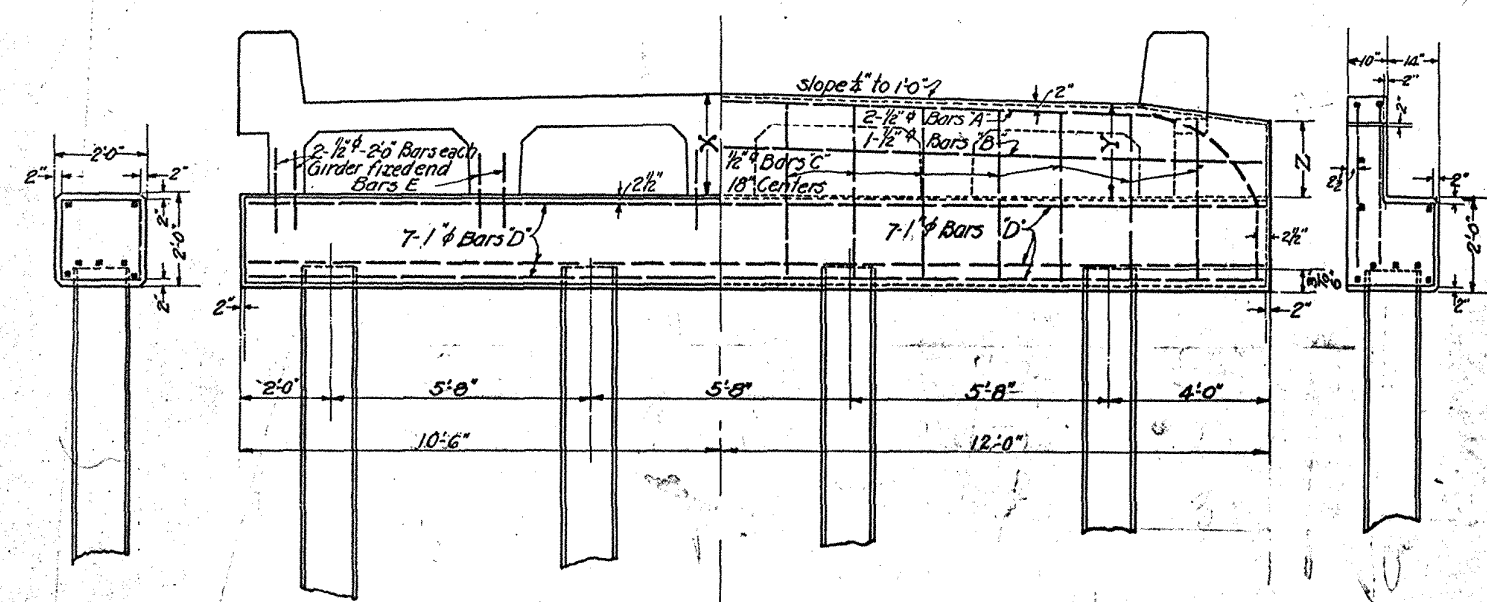
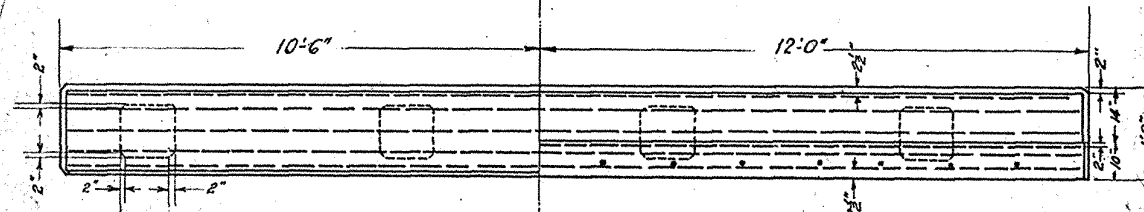




HALF CROSS SECTION
Intermediate Bent

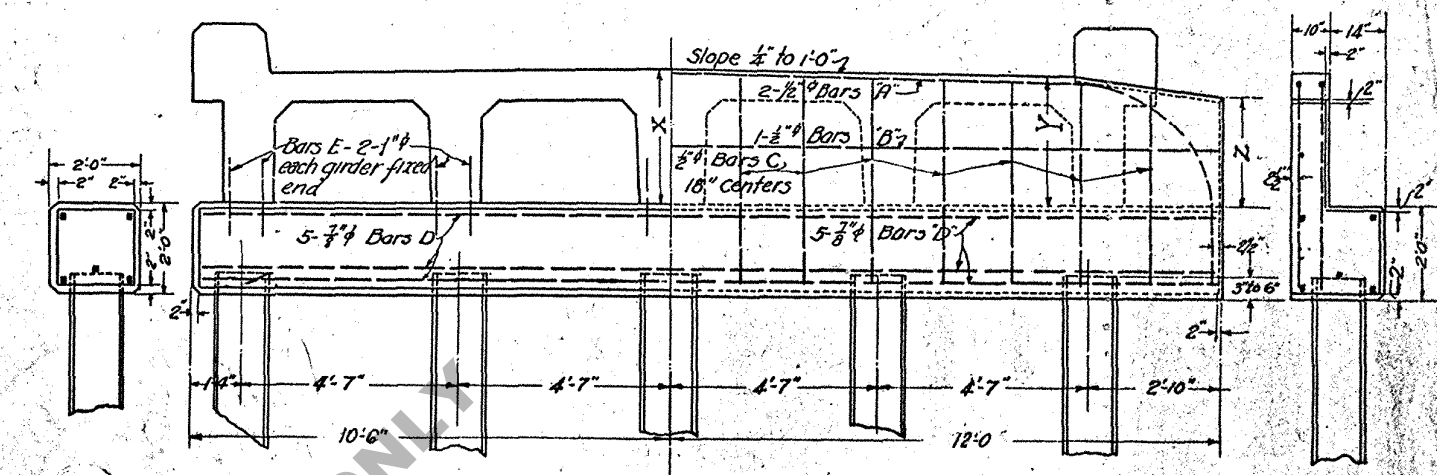
HALF END ELEVATION
End Bent



HALF PLAN INTERMEDIATE BENT

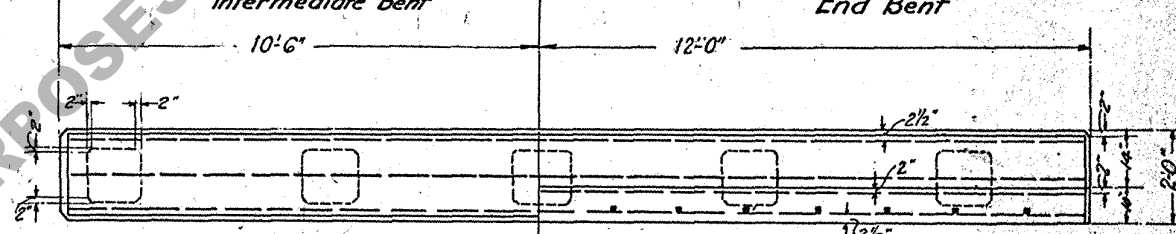
HALF PLAN END BENT

4 PILE CONCRETE BENT - FOR 16 TO 26 FOOT CLEAR GIRDER SPANS



HALF CROSS SECTION
Intermediate Bent

HALF ELEVATION
End Bent



HALF PLAN INTERMEDIATE BENT

HALF PLAN END BENT

5 PILE CONCRETE BENT FOR 28 TO 40 FOOT CONCRETE GIRDER SPANS

DIMENSIONS AND ESTIMATED QUANTITIES
End Bent - Cap Only

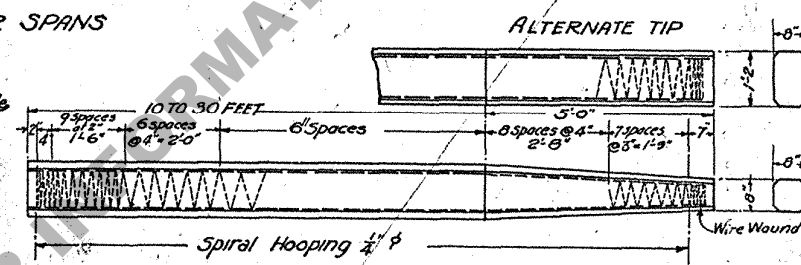
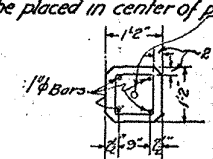
CLEAR SPAN	X	Y	Z	Bars D	Bars E Fixed End	Bars G	Bars B	Bars C	Reinf. Steel Pounds	Cu. Yds. Concrete
16'	1'-10 1/2"	1'-0 1/2"	1'-3 1/2"	7-1 1/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 3'-2"	623	4.83
18'	2'-0 1/2"	1'-10 1/2"	1'-5 1/2"	7-1 1/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 3'-4"	626	4.94
20'	2'-0 1/2"	1'-10 1/2"	1'-5 1/2"	7-1 1/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 3'-4"	626	4.94
22'	2'-2 1/2"	2'-0 1/2"	1'-7 1/2"	7-1 1/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 3'-6"	628	5.06
24'	2'-2 1/2"	2'-0 1/2"	1'-7 1/2"	7-1 1/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 3'-6"	628	5.06
26'	2'-3 1/2"	2'-1 1/2"	1'-9 1/2"	7-1 1/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 3'-7"	629	5.12

Intermediate Bent Cap only

Bars D	Bars E	Reinforcing Steel Pounds	Cubic Yards Concrete
7-1 1/4" - 20'8"	10-1 1/4" - 2'-0"	457	3.11

One Pile (section 1'-2" x 1'-2") per lin. ft. Concrete .0504 Cu. Yds. Reinf. 12.9 Pounds

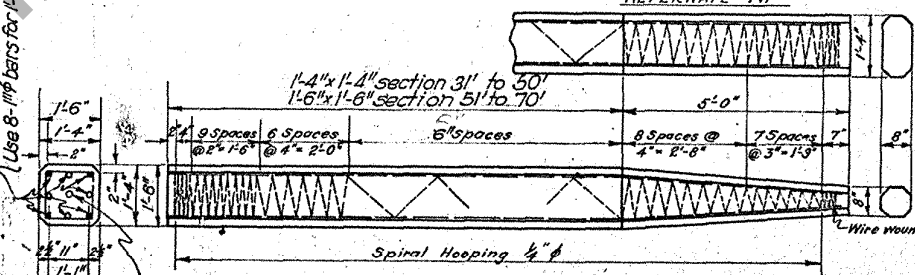
Where water Jet is used - pipe
may be placed in center of pile



CONCRETE PILE
PRECAST

To be used for lengths up to 35'-0" inclusive

Use 4-1/2" bars for 1'-4" to 1'-6" piles
Use 8-1/2" bars for 1'-6" to 1'-8" piles



CONCRETE PILE
PRECAST

To be used for lengths between 35'-0" and 55'-0" inclusive

DIMENSIONS AND ESTIMATED QUANTITIES
End Bent Cap Only

Clear Span	X	Y	Z	Bars D	Bars E Fixed End	Bars A	Bars B	Bars C	Reinf. Steel Pounds	Cu. Yds. Concrete
28	2'-5 1/2"	2'-3 1/2"	1'-10 1/2"	5-3/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 4'-0"	430	5.25
30	2'-6 1/2"	2'-6 1/2"	2'-1 1/2"	5-3/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 4'-3"	433	5.43
32	2'-11 1/2"	2'-9 1/2"	2'-4 1/2"	5-3/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 4'-6"	437	5.62
34	3'-2 1/2"	3'-0 1/2"	2'-7 1/2"	5-3/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 4'-9"	441	5.80
36	3'-3 1/2"	3'-1 1/2"	2'-8 1/2"	5-3/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 4'-9"	446	5.88
38	3'-6 1/2"	3'-4 1/2"	2'-11 1/2"	5-3/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 5'-1"	447	6.05
40	3'-9 1/2"	3'-7 1/2"	3'-2 1/2"	5-3/4" 23'8"	10-1 1/4" 2'-0"	2-3/4" 28'4"	1-1/2" 21'3"	15-1/2" 5'-4"	450	6.23

Intermediate Bent Cap Only

Bars D	Bars E	Reinf. Steel Pounds	Cu. Yds. Concrete
5-3/4" 20'8"	10-1 1/4" 2'-0"	279	3.11

One Pile (Section 1'-2" x 1'-2") per lin. ft. - Concrete .0504 Cu. Yds. - Reinf. 12.9 Pounds

STANDARD
4 and 5 PILE BENT

FOR CONCRETE GIRDER SPANS 16' TO 40' - 18'-0" R.D.Y.

Louisiana Highway Commission
Baton Rouge, La.

Revised Mar. 31-26
Revised Feb. 24-26

Approved
January 1923
State Highway Engineer