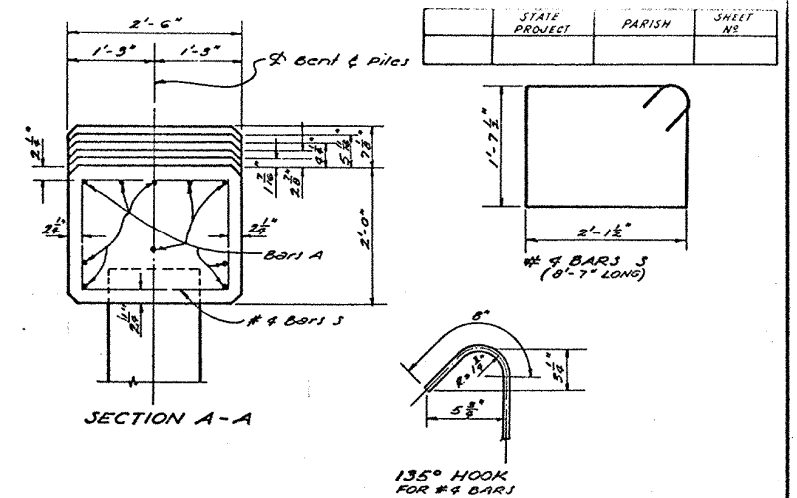
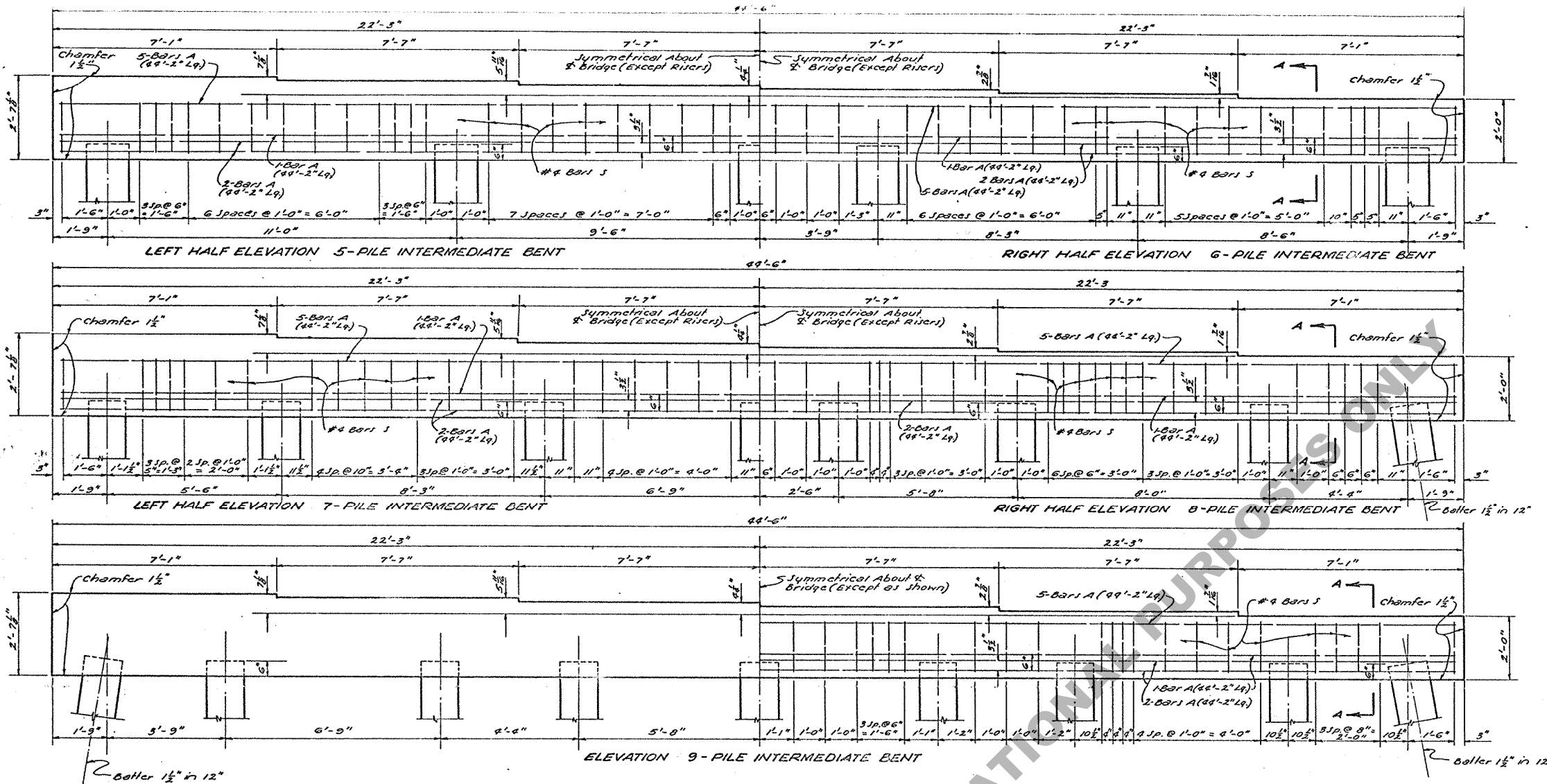




NO OF PILES	SPAN (FT)	25	30	35	40	45	50
5	CLASS "A" CONC.-CU.YD.	9.30*					
	DEF. REINF. STEEL-LB.	2164					
	Avg. PILE LOAD-TONS	29.3					
	SIZE OF BARS A	#10					
6	CLASS "A" CONC.-CU.YD.	9.31*	9.31*	9.27*			
	DEF. REINF. STEEL-LB.	1144	1144	1144			
	Avg. PILE LOAD-TONS	24.4	27.5	30.6			
	SIZE OF BARS A	#7	#7	#7			
7	CLASS "A" CONC.-CU.YD.			9.29*	9.23*	9.23*	
	DEF. REINF. STEEL-LB.			1743	1743	1743	
	Avg. PILE LOAD-TONS			26.2	29.0	31.7	
	SIZE OF BARS A			#9	#9	#9	
8	CLASS "A" CONC.-CU.YD.			9.26*	9.26*	9.20*	
	DEF. REINF. STEEL-LB.			2622	2622	2622	
	Avg. PILE LOAD-TONS			25.3	27.8	30.0	
	SIZE OF BARS A			#11	#11	#11	
9	CLASS "A" CONC.-CU.YD.					9.24*	
	DEF. REINF. STEEL-LB.					2590	
	Avg. PILE LOAD-TONS					26.8	
	SIZE OF BARS A					#11	

* Assuming Use of 14" R.C. Piles. † Assuming Use of 16" R.C. Piles.

GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS: Latest Approved Louisiana Dept. of Highway Standard Specifications.
DESIGN SPECIFICATIONS: A.A.S.H.O. 1953, as Amended to Dec. 31, 1955.
LIVE LOAD: H20-S16-44 (Modified).
All concrete to be Class "A".
Reinforcing steel shall be Intermediate or Hard Grade A.S.T.M.-A15 or Rail Steel A.S.T.M.-A16, conforming to A.S.T.M.-A305.
Dimensions to Reinforcing Steel are to Bar Centers.
Concrete and Reinforcing Steel in Curb, Sidewalk, and Handrail-Flare are included in End Bent Quantities and are to be paid for as part of bent.
All exposed corners to be Chamfered 3" Unless Otherwise Noted.
To provide for future extension of bridge, the End Bent is designed for the same loads as the intermediate bents.
Maximum Pile Load unless otherwise instructed by Bridge Design Section:
14" R.C. Piles - 28 TONS 16" R.C. Piles - 32 TONS

NO OF PILES	SPAN (FT) TYPE	25			30			35			40			45			50		
		I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
5	CLASS "A" CONC.-CU.YD.	10.41*	13.46*	13.99*															
	DEF. REINF. STEEL-LB.	3578	3968	4163															
	Avg. PILE LOAD-TONS		29.3																
	SIZE OF BARS A		#10																
6	CLASS "A" CONC.-CU.YD.	18.58*	12.97*	20.01*	18.99*	20.07*	20.61*	19.49*	20.53*	21.09*									
	DEF. REINF. STEEL-LB.	2558	2948	3143	2584	2974	3169	2608	2998	3193									
	Avg. PILE LOAD-TONS		24.4			27.5			30.6										
	SIZE OF BARS A		#7			#7			#9										
7	CLASS "A" CONC.-CU.YD.							19.51*	20.60*	21.14*	20.00*	21.12*	21.69*	21.11*	21.16*	21.72*			
	DEF. REINF. STEEL-LB.							3207	3597	3792	3230	3620	3815	3238	3626	3823			
	Avg. PILE LOAD-TONS								26.2			29.0			31.7				
	SIZE OF BARS A								#9			#9			#9				
8	CLASS "A" CONC.-CU.YD.							20.03*	21.18*	21.72*	20.14*	21.20*	21.77*	20.69*	21.73*	22.29*			
	DEF. REINF. STEEL-LB.							4192	4592	4777	4195	4585	4780	4222	4612	4807			
	Avg. PILE LOAD-TONS								25.3			27.8			30.0				
	SIZE OF BARS A								#11			#11			#11				
9	CLASS "A" CONC.-CU.YD.													20.72*	21.78*	22.35*			
	DEF. REINF. STEEL-LB.													4200	4590	4785			
	Avg. PILE LOAD-TONS															26.8			
	SIZE OF BARS A															#11			
	FAB. CARBON STEEL-LB.	475			475			475			475			475			475		

* Assuming Use of 14" R.C. Piles.

† Assuming Use of 16" R.C. Piles.

BENT	GROUND TO GRADE (FT)	SUBSOIL	NO OF PILES
I	0-5	POOR	0
	5-10	GOOD	
II	10-15	POOR	2
	15-20	GOOD	
III	20-25	POOR	3
	25-30	GOOD	

SPAN (FEET)	"C"	"H1"	"H2"
25	2'-10 3/8"	4'-6 1/8"	5'-2 1/8"
30	3'-1 1/8"	4'-9 1/8"	5'-5 1/8"
35	3'-6 1/8"	5'-0 3/8"	5'-8 1/8"
40	3'-7 3/8"	5'-3 3/8"	5'-11 1/8"
45	3'-7 3/8"	5'-3 3/8"	5'-11 1/8"
50	3'-10 3/8"	5'-6 1/8"	6'-2 1/8"

INTERMEDIATE BENTS

STANDARD PLAN
PRECAST CONCRETE PILE BENTS
FOR 25' TO 50' 1-BEAM SPANS
LIVE LOAD H20-S16-44 MODIFIED
40'-0" ROADWAY 1'-6" SIDEWALKS
3-LANE ROADWAY

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS
DESIGNED: *Charles W. Hill* CHECKED: *Tschuy*
DATE: *June 16, 1957* BY: *CEJ/SG*
REVISIONS: *12-17-57 Notch Corrected*