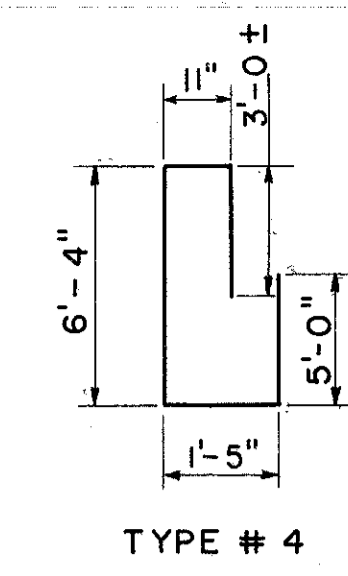
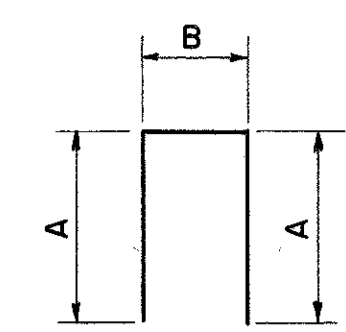


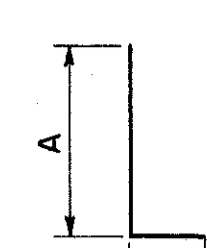
LAKE COUNTY  
SEC. LAK-2-10.35



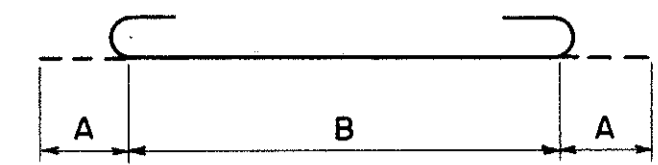
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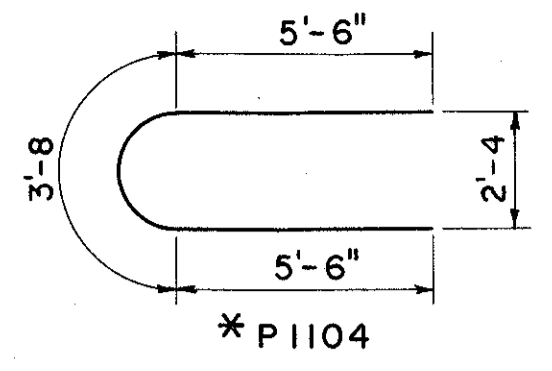
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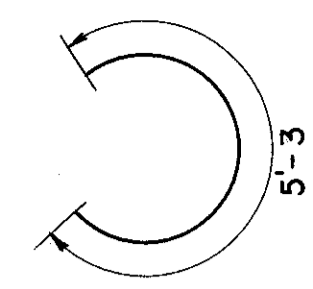
TYPE #2



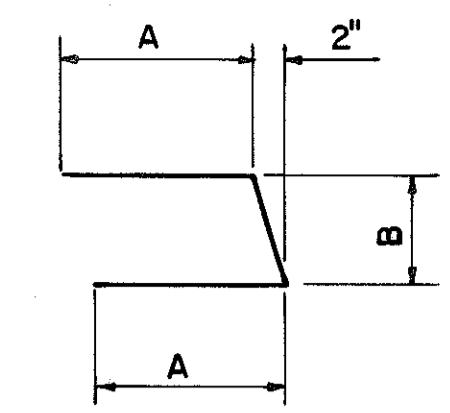
TYPE #3



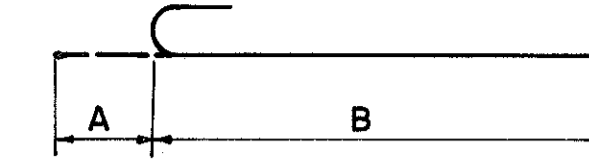
\* P1104



\* RE401



TYPE #5



TYPE #6

REINFORCING STEEL LIST

ABUTMENTS										SUPERSTRUCTURE										PIERS										REPLACEMENT BARS							
MARK	ABUT. #1	ABUT. #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIABLES BY	No. of Ea.	MARK	No.	LENGTH	WEIGHT	TYPE	A	B	VARIABLES BY	No. of Ea.	MARK	PIER #1	PIER #2	PIER #3	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIABLES BY	No. of Ea.	MARK	No.	LENGTH	WEIGHT	TYPE	
A 501	1	1	2	10'-0"	20	Str.					S 401	374	3'-7"	894	I	6"	2'-10"				PF 901	12	12	12	36	6'-1"	744	2	5'-4"	1'-0"			RE 400	1	5'-3"		Str.
A 502	2	2	4	11'-9"	49	Str.					S 402	748	1'-7"	789	2	1'-3"	6"			PF 1001	30	30	30	90	11'-4"	4395	3	1'-5"	8'-6"			RE 401	1	5'-3"		*	
A 503	2	2	4	6'-0"	25	Str.					S 403	374	4'-7"	1144	I	2'-2"	6"			P 501	2	2	2	6	29'-0"	183	Str.					RE 500	1	5'-7"		Str.	
A 504	16	16	32	6'-9"	225	I	3'-0"	1'-0"			S 501	447	30'-0"	13,987	Str.					P 502	36	36	36	108	7'-5"	837	I	2'-6"	2'-8"			RE 600	3	5'-11"		Str.	
A 505	8	8	16	7'-9"	129	I	3'-6"	1'-0"			S 502	48	28'-2" to 7'-0"	880	Str.					P 901	12			12	17'-10"	727	Str.					RE 700	1	6'-3"		Str.	
A 506	8	8	16	8'-3"	138	Str.					S 503	20	6'-0"	125	Str.					P 902		12		12	18'-1"	738	Str.					RE 800	1	6'-6"		Str.	
A 507	2	2	4	6'-6"	27	Str.					S 601	447	30'-0"	20,142	Str.					P 903				12	17'-7"	717	Str.					RE 900	1	6'-10"		Str.	
A 508	2	2	4	9'-6"	40	Str.					S 602	385	41'-6"	24,000	Str.					P 904	6	6	6	18	30'-5"	1863	Str.					RE 1100	1	7'-7"		Str.	
A 509	8	8	16	10'-0"	167	Str.					S 603	66	32'-0"	3172	Str.					P 1101	24			24	17'-10"	2274	Str.										
A 510	8	8	16	3'-5"	57	Str.					S 604	48	28'-2" to 7'-0"	1268	Str.					P 1102		24		24	18'-1"	2305	Str.										
A 511	38	38	76	5'-2"	408	Str.														P 1103				24	17'-7"	2242	Str.										
A 512	8	8	16	9'-8"	162	Str.														P 1104	4	4	4	12	14'-8"	935	*	See above									
A 513	8	8	16	13'-6"	234	Str.														P 1105	8	8	8	24	9'-8"	1233	2	6'-6"	3'-6"								
A 514	2	2	4	8'-6"	35	Str.														P 1106	4	4	4	12	26'-0"	1658	Str.										
A 515	2	2	4	11'-6"	48	Str.														P 1107	2	2	2	6	15'-0"	489	Str.										
A 516	4	4	8	15'-0"	125	Str.																															
A 517	16	16	32	3'-4"	113	Str.																															
A 518	16	16	32	4'-0"	134	Str.																															
A 519	8	8	16	5'-9"	95	I	2'-6"	1'-0"																													
A 520	19	19	38	34'-9"	1378	Str.																															
A 521	76	76	152	7'-3"	1149	2	6'-6"	1'-0"																													
A 522	16	16	32	7'-3"	242	I	2'-0"	3'-5"																													
A 523	4	4	8	11'-8"	97	Str.																															
A 402	25	25	50	5'-11"	198	I	2'-10"	6"																													
A 404	3	3	6	6'-9"	27	I	2'-10"	1'-3"																													
A 405	16	16	32	6'-9" to 3'-1"	105	5	2'-10" to 1'-0"	1'-3"	3"	4																											
A 601	8	8	16	37'-0"	889	Str.																															
A 602	2	2	4	10'-4"	62	I	2'-6"	5'-7"																													
A 603	2	2	4	11'-0"	66	I	2'-6"	6'-3"																													
A 604	2	2	4	11'-8"	70	I	2'-6"	6'-11"																													
A 605	2	2	4	12'-11"	77	I	2'-6"	8'-2"																													
A 606	4	4	8	13'-5"	161	4	2'-6"	8'-8"																													
A 607	2	2	4	14'-2"	85	I	2'-6"	9'-5"																													
A 608	2	2	4	13'-2"	79	I	2'-6"	8'-5"																													
A 609	38	38	76	10'-3"	1170	I	2'-6"	5'-6"																													
A 610	20	20	40	7'-9"	465	I	2'-6"	3'-0"																													
A 611	2	2	4	14'-9"	85	I	2'-6"	10'-0"																													
A 612	8	8	16	12'-0"	288	Str.																															
A 701	36	36	72	9'-1"	1337	2	8'-3"	1'-0"																													
A 613	32	32	64	16'-0"	1538	4																															
TOTAL										TOTAL										TOTAL																	
										RAILING										SPIRALS																	
										R 401 16 11'-0" Include Str.										MARK No. SIZE LENGTH CORE DIA. PITCH No. of TURNS WEIGHT																	
										R 402 128 15'-6" with Str.										SP 401 3 4 14'-5 1/8" 32" 4 1/2" 42 824																	
										R 403 8 13'-4" Item S-14										SP 402 3 4 14'-7 1/8" 32" 4 1/2" 42 826																	
										R 404 8 10'-4" for payment										SP 403 3 4 14'-2 3/8" 32" 4 1/2" 41 806																	
TOTAL										11,800																											

NOTES:

All dimensions are out to out of the bar.  
 Bar Size is indicated in the bar mark. The first digit where three digits are used, and the first two where four are used, indicate the bar size number. For example, A700 is a No. 7 size bar & A1014 is a No. 10 size.  
 The length shown in the bar list for the spiral bars is the distance from the top of the footing to the bottom of the cap.  
 The number of turns shown is the length divided by the pitch, plus 3 turns (total number of closed coils) expressed as the nearest whole number.  
 Spiral bars shall not have deformations but shall in other respects conform to Item S-4.  
 1/2 closed coils shall be provided at the ends of each spiral unit.  
 Four steel channel, tee or angle spacers, weighing approximately 0.68 lbs. per lin. ft., shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of spacers, based on 0.68 lbs. per lin. ft., will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.  
 Replacement Bars: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Testing Laboratory, test samples as provided in Sec. S-4.02 need not be furnished and replacement bars will not be required.

APPROACH SLABS										
MARK	SLAB #1	SLAB #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIABLES BY	No. of Ea.
AP 501A	1	1	2	28'-0"	Include	Str.				
AP 501B	1	1	2	29'-0"	with	Str.				
AP 501C	1	1	2	29'-0"	Item	Str.				
AP 501D	6	6	12	31'-4"	I-7	Str.				
AP 501E	1	1	2	27'-10"	for	Str.				
AP 501F	1	1	2	24'-2"	payment	Str.				
AP 501G	7	7	14	27'-6"		Str.				
AP 501H	1	1	2	7'-8"		Str.				
AP 501K	1	1	2	31'-6"		Str.				
AP 501M	2	2	4	4'-6"		Str.				

SEC. L-33

PREPARED BY  
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.  
FOR

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS  
DIVISION OF DESIGN AND CONSTRUCTION  
BUREAU OF BRIDGES

REINFORCING BAR LIST  
BRIDGE NO. LAK-2-1140  
S. R. 2 UNDER HENDRICKS ROAD  
LAKE COUNTY  
STA. 499 + 91.55

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED