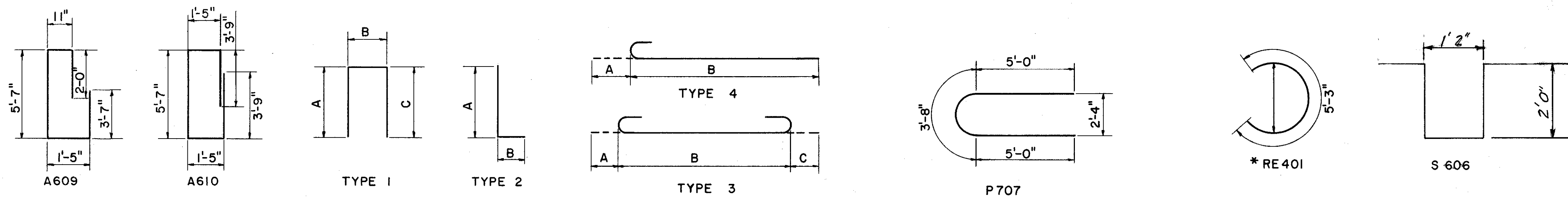


MICROFILMED  
JUL 9 1986



FED. RD. DIVISION	STATE	PROJECT	330 384
2	OHIO		

LAKE COUNTY  
SEC. LAK - 2-14.22

REINFORCING STEEL LIST																																													
ABUTMENTS										SUPERSTRUCTURE										PIERS								REPLACEMENT BARS																	
MARK	ABUT. #1	ABUT. #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	C	VARIABLES BY	No. of Ea.	MARK	TOTAL	LENGTH	WEIGHT	TYPE	A	B	C	VARIABLES BY	No. of Ea.	MARK	PIER #1	PIER #2	PIER #3	PIER #4	TOTAL	LENGTH	WEIGHT	TYPE	A	B	C	VARIABLES BY	No. of Ea.	MARK	No.	LENGTH	WEIGHT	TYPE					
NORTH BRIDGE																																													
A501	16	16	32	31'-0"	1034	Str.						S601	300	300	40'-3"	18,137	Str.						P701	96	96	192	7'-8"	3010	3	10"	6'-0"	10"						RE 400	1	5'-3"		Str.			
A602	112	112	224	8'-2"	2750	Str.	2'-6"	5'-6"	2'-6"			S602	181	181	43'-8"	11,872	Str.						P902	72	72	144	6'-4"	3100	2	5'-7"	1'-0"								RE 401	1	5'-3"		*		
A503	36	36	72	7'-3"	545	Str.	3'-1"	1'-4"	3'-1"			S603	88	88	43'-0" to 5'-3"	3,188	Str.					10 1/2"	2	P903	72	72	144	17'-0"	8323	Str.										RE 500	1	5'-7"		Str.	
A504	8	8	16	11'-0"	184	Str.						S604	20	20	4'-6"	135	Str.						P504	6	6	12	11'-0"	138	Str.										RE 600	3	5'-11"		Str.		
A605	18	18	36	8'-8"	470	Str.	2'-6"	4'-0"	2'-6"			S605	64	64	24'-0"	2307	Str.						P705A	3	3	6	13'-6"	166	Str.										RE 700	2	6'-3"		Str.		
A606	6	6	12	9'-0"	162	Str.						S606	5	5	6'-6"	50	*	See above					P705B	6	6	12	13'-2"	322	Str.										RE 800	1	6'-6"		Str.		
A507	106	106	212	5'-5"	1198	Str.	4'-7"	1'-0"				S501	312	312	1'-7"	514	1	6"	1'-10"	6"			P705C	6	6	12	11'-0"	270	Str.										RE 900	1	6'-10"		Str.		
A508	138	138	276	3'-8"	1056	Str.						S502	624	624	1'-7"	1028	2	1'-3"	6"			P706A	3	3	6	18'-8"	228	1	2'-9"	13'-6"	2'-9"								RE 1100	1	7'-7"		Str.		
A609	30	30	60	12'-10"	1156	*	See Above					S701	181	181	43'-8"	16,156	Str.						P706B	6	6	12	18'-4"	450	1	2'-9"	13'-2"	2'-9"													
A610	23	23	46	15'-3"	1054	*	See Above					S702	88	88	4'-3" to 5'-3"	4,339	Str.						P706C	6	6	12	16'-2"	396	1	2'-9"	11'-0"	2'-9"													
A511	32	32	64	28'-3"	1886	Str.						S401	312	312	5'-4"	1,110	1	2'-6"	6"	2'-6"			P707	12	12	24	13'-8"	670	*	See Above															
A612	42	42	84	7'-9"	978	Str.	2'-4"	3'-5"	2'-4"			S607	2	2	2'-0"	6	Str.						P508	48	48	96	6'-9"	676	1	2'-2"	2'-8"	2'-2"													
A813	17	17	34	9'-8"	878	Str.	4'-6"	1'-1"	4'-6"																																				
										TOTAL																																			
										58,842																																			
																												TOTAL																	
																												17,749																	
																												SPIRAL																	
																												3,296																	
																												TOTAL																	
																												21,045																	
SOUTH BRIDGE																																													
A515	48	48	96	5'-6"	552	Str.																P701			96	96	7'-8"	1505	3	10"	6'-0"	10"													
A516	5	5	10	14'-0"	146	Str.																P902			72	72	144	6'-4"	3100	2	5'-7"	1'-0"													
A517	4	4	8	4'-5"	36	Str.	1'-8"	1'-4"	1'-8"													P903			72	72	144	17'-0"	8323	Str.															
A518	22	22	44	4'-5" to 2'-9"	168	Str.	1'-8" to 10"	1'-4"	1'-8" to 10"		1"	2										P504			6	6	12	11'-0"	138	Str.															
A419	26	26	52	6'-0"	208	Str.	2'-10"	6"	2'-10"													P705A			3	3	6	13'-6"	166	Str.															
A1120	10	10	20	5'-6"	584	Str.																P705B			6	6	12	13'-2"	322	Str.															
A521	5	5	10	10'-3"	107	Str.																P705C			6	6	12	11'-0"	270	Str.															
A522	8	8	16	10'-0" to 7'-0"	142	Str.					12"	4										P706A			3	3	6	18'-8"	228	1	2'-9"	13'-6"	2'-9"												
A523	6	6	12	14'-3"	178	Str.																P706B			6	6	12	18'-4"	450	1	2'-9"	13'-2"	2'-9"												
A524	8	8	16	9'-0"	150	Str.																P706C			6	6	12	16'-2"	396	1	2'-9"	11'-0"	2'-9"												
A525	6	6	12	3'-3"	40	Str.																P707			12	12	24	11'-5"	560	*	See Above														
A526	10	10	20	6'-5"	134	Str.																P508			48	48	96	6'-9"	676	1	2'-2"	2'-8"	2'-2"												
A527	8	8	16	6'-0"	100	Str.																P509			117	117	234	6'-6"	793	Str.															
A528	6	6	12	10'-2"	128	Str.																P1110			20	20	40	32'-7"	3462	4	1'-7"	31'-0"													
A529	6	6	12	4'-2"	52	Str.																P611			20	20	40	31'-8"	951	4	8"	31'-0"													
										TOTAL																		TOTAL																	
																												21,450																	
																												SPIRAL																	
																												3,296																	
																												TOTAL																	
																												24,746																	
RAILING																																													
										NORTH BRIDGE																																			
R401	64	64	128	15'-9"		Str.																																							
R402	16	16	32	13'-3"		Str.																																							
R403	8	8	16	14'-0"		Str.																																							
R404	8	8	16	10'-2"		Str.																																							
										SOUTH BRIDGE																																			
R401	64	64	128	15'-9"		Str.																																							
R402	16	16	32	13'-3"		Str.																																							
R403	8	8	16	14'-0"		Str.																																							
R404	8	8	16	10'-2"		Str.																																							
SPIRALS																																													
MARK	No.	SIZE	LENGTH	CORE DIA.	PITCH	No. of TURNS	WEIGHT																																						
SP401	12	4	14'-3"	32"	4 1/2"	41	3296	(wt. for one bridge)																																					

**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 pier 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.

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-2-1512 L & R  
RELOC. S. R. 2 OVER SANFORD STREET  
LAKE COUNTY  
STA. 699 + 08.63

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
			McC		