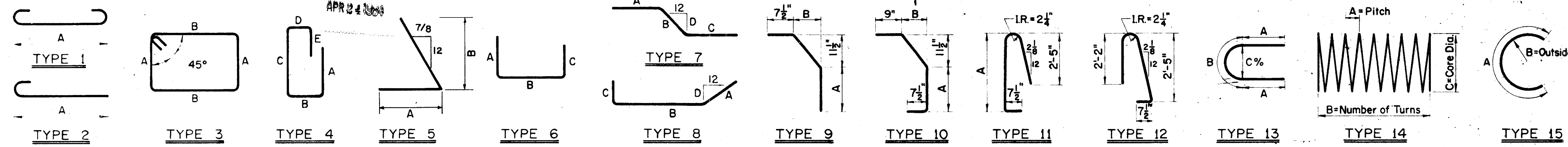


MICROFILMED  
APR 24 1988

FHWA REGION	STATE	PROJECT
5	OHIO	LAKE COUNTY LAK 306-6.15

87-A  
101



**LEGEND**  
 R.Rt. = Rear Right    Rt.Br. = Right Bridge  
 R.Lt. = Rear Left    Lt.Br. = Left Bridge  
 C.Rt. = Center Right    Fwd. = Forward  
 C.Lt. = Center Left  
 F.Rt. = Forward Right  
 F.Lt. = Forward Left

RETAINING WALL													PIERS					SUPERSTRUCTURE																		
MARK	NO.	LENGTH	WEIGHT	TYPE	A	B	C	D	E	R.Rt.	R.Lt.	F.Rt.	F.Lt.	MARK	NO.	LENGTH	WEIGHT	TYPE	A	B	C	D	E	MARK	NO.	LENGTH	WEIGHT	TYPE	A	B	C	D	E	Rt.Br.	Lt.Br.	
J 901	21	8' 9"	625	5	1' 3"	7' 9"																														
J 902	18	10' 3"	627	5	1' 3"	9' 3"																														
J 903	78	7' 8"	2033	STR.																																
J 801	21	8' 8"	486	5	1' 1"	7' 9"																														
J 601	9	6' 9"	91	5	3' 4"	3' 7"																														
J 602	7	7' 5"	78	5	3' 9"	3' 10"																														
J 603	22	7' 11"	262	5	3' 10"	4' 3"																														
J 604	21	6' 8"	210	5	10"	6' 0"																														
J 605	22	7' 10"	259	5	3' 11"	4' 1"																														
J 606	22	7' 6"	245	5	3' 11"	3' 9"																														
J 607	8	7' 8"	92	5	4' 1"	3' 9"																														
J 608	17	6' 10"	174	5	3' 3"	3' 9"																														
J 609	22	12' 0"	397	STR.																																
J 610	15	13' 6"	304	STR.																																
J 611	1	SERIES OF 7'-13' 0" TO 13' 5"	139	STR.		7/8" INCREMENTS																														
J 612	1	SERIES OF 22'-14' 11" TO 13' 5"	468	STR.		7/8" INCREMENTS																														
J 613	1	SERIES OF 8'-15' 10" TO 15' 4"	187	STR.		7/8" INCREMENTS																														
J 614	1	SERIES OF 17'-15' 1" TO 3' 1"	232	STR.		9" INCREMENTS																														
J 615	16	6' 2"	148	5	10"	5' 6"																														
J 501	12	23' 8"	296	STR.																																
J 502	24	32' 9"	820	STR.																																
J 503	22	11' 9"	270	7	1' 7"	4' 3 1/2"	6' 0"	6																												
J 504	23	10' 7"	254	7	3' 0"	2' 8 1/2"	5' 0"	12																												
J 505	8	12' 10"	107	7	1' 7"	5' 5"	6' 0"	6																												
J 506	9	10' 8"	100	7	2' 5"	3' 5"	5' 0"	12																												
J 507	14	19' 2"	280	STR.	(CUT 1 TO 17'-9")																															
J 508	32	5' 0"	167	STR.																																
J 509	43	5' 9"	258	STR.																																
J 510	43	6' 8"	299	STR.																																
J 511	43	7' 5"	333	STR.																																
J 512	48	8' 1"	405	STR.	(CUT 25 TO 6'-1")																															
J 513	2	SERIES OF 9'-4' 0" TO 10' 0"	131	STR.		9" INCREMENTS																														
J 514	14	10' 6"	153	STR.																																
J 515	22	11' 9"	270	STR.																																
J 516	15	13' 3"	207	STR.																																
J 517	1	SERIES OF 7'-13' 2" TO 12' 9"	95	STR.		7/8" INCREMENTS																														
J 518	1	SERIES OF 22'-14' 8" TO 13' 2"	319	STR.		7/8" INCREMENTS																														
J 519	1	SERIES OF 8'-15' 7" TO 15' 1"	128	STR.		7/8" INCREMENTS																														
J 520	1	SERIES OF 17'-14' 10" TO 2' 10"	157	STR.		9" INCREMENTS																														
J 521	2	14' 11"	31	STR.																																
J 522	2	SERIES OF 5'-10' 3" TO 22' 7"	171	STR.		3' 1" INCREMENTS																														
J 523	60	31' 8"	1982	STR.																																
J 524	2	SERIES OF 8'-13' 6" TO 34' 6"	401	STR.		3' 0" INCREMENTS																														
J 525	2	11' 3"	23	STR.																																
J 926	2	27' 0"	56	STR.																																
J 527	8	18' 8"	156	STR.																																
TOTAL			14,329																																	

**SPIRAL REINFORCING BARS:** The "Length" shown in the steel list for 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 three turns (total number of closed coils), expressed as the nearest whole number with 1/2 closed coils provided at the ends of each spiral unit. Four steel channel, tee or angle spacers weighing approximately 0.80 pounds per lineal foot of spacers shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.80 pounds per lineal foot, will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.

**REINFORCING STEEL SAMPLES:** Refer to CMS Sections 106.03, 700, 709.01 through 709.05 and 709.08. Sufficient additional reinforcing steel shall be provided for sampling. Random samples shall be replaced in the structures by the additional steel, 27 / 28 spliced in accordance with 509.08.

Sheet supersedes  
Sheet 87,  
3-27-81

**FRANKLIN CONSULTANTS INC.**  
 Consulting Engineers  
 COLUMBUS OHIO

**REINFORCING STEEL**  
 RETAINING WALL  
 STA. 15+97 TO STA. 17+53

DATE	BY	CHECKED	DATE
3/27/81	SM	SM	3/27/81