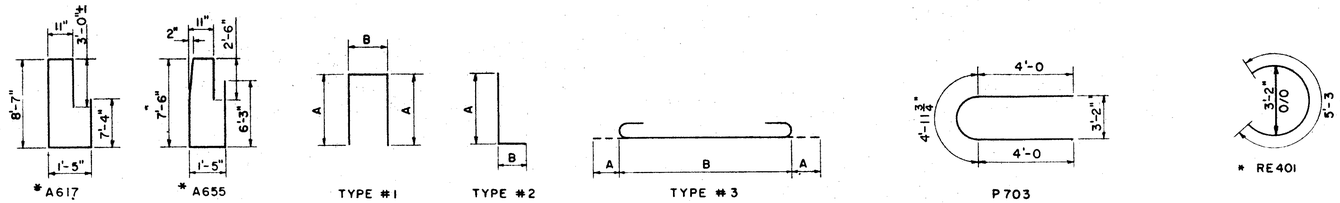
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

361A
379

LAKE COUNTY
SEC. LAK-2-10.35



REINFORCING STEEL LIST

ABUTMENTS

MARK	ABUT. #1	ABUT. #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
A 501		32	32	22'-6"	751	Str.				
A 602	55	39	94	4'-6"	635	2	3'-8"	1'-0"		
A 703	46	80	126	9'-6"	2447	Str.				
A 604	104	27	131	9'-6"	1869	Str.				
A 505	1		1	17'-6"	18	Str.				
A 506		16	16	11'-0" TO 14'-9"	216	Str.			5½"	2
A 1007		25	25	5'-10"	628	2	5'-2"	1'-0"		
A 508		18	18	38'-0"	713	Str.				
A 509		22	22	6'-11"	159	Str.				
A 510		18	18	6'-6"	122	Str.				
A 511	16	22	38	5'-10"	231	Str.				
A 512	12	20	32	5'-3"	175	Str.				
A 513	18	2	20	8'-8"	181	Str.				
A 514	-	16	16	16'-2"	270	Str.				
A 515		10	10	7'-5"	77	Str.				
A 516	16	–	16	24'-6"	409	Str.				
A617		38	38	20'-8"	1180	*	See	above		
A 718	32	–	32	9'-0"	589	Str.				
A 519	2	3	5	19'-8"	103	Str.				
A 720	10	–	10	5'-6"	112	Str.				
A 521		14	14	11'-3"	164	Str.				
A 522		15	15	8'-11"	140	Str.				
A 523	2		2	12'-6"	26	Str.				
A 524	6		6	14'-0"	88	Str.				
A 525	16	–	16	28'-0"	467	Str.				
A 526	14		14	6'-9"	99	Str.				
A 527		4	4	8'-3"	34	1	4'-0"	6"		
A 528	16	–	16	28'-0" TO 38'-0"	551	Str.			1'-5⅛"	2
A 529	2		2	5'-0"	11	Str.				
A 530	18	16	34	3'-6"	124	Str.				
A 531	47	37	84	5'-10"	511	1	2'-10"	6"		
A 532		5	5	20'-6"	107	Str.				
A 533	7		7	19'-6"	142	Str.				
A 534	16	17	33	4'-5"	152	1	1'-8"	1'-4"		
A 535	18		18	4'-5" TO 2'-9"	67	1	1'-8" TO 10"	1'-4"	1½" DIM "A"	4
A 536	8	10	18	16'-0"	300	Str.				
A 537	10		10	9'-3"	97	Str.				
A 538		4	4	7'-7"	32	1	3'-8"	6"		
A639	35	35	70	7'-2"	754	1	1'-11"	3'-8"		
A 540	2	3	5	18'-3"	95	Str.				
A 541	101	64	165	4'-8"	804	2	3'-9"	1'-0"		
A642	10	–	10	8'-6" TO 8'-0"	109	Str.			7½"	2
A 643	17	–	17	6'-0"	153	Str.				
A 644	14	–	14	7'-0"	147	Str.				
A 645	13	–	13	8'-0"	156	Str.				
A 646	11	–	11	9'-0"	149	Str.				
A 547	36	30	66	7'-9"	534	Str.				
A 548	11	–	11	31'-3"	359	Str.				
A 549	4	–	4	25'-0"	104	Str.				
A 550	7	–	7	28'-6"	208	Str.				
A 551	1	–	1	10'-0"	10	Str.				
A 552	5	–	5	36'-4"	190	Str.				
A 553	4	–	4	34'-3"	143	Str.				
A 554	10	–	10	32'-6"	339	Str.				
A 655	55	–	55	17'-9"	1466	*	See	above		
A 1156	10	–	10	20'-2"	1073	3	1'-7"	17'-0"		
A-1157	10	–	10	7'-2"	381	3	1'-7"	4'-0"		
A 1058	30	–	30	5'-9"	742	2	5'-1"	1'-0"		
A-1059	20	–	20	9'-3"	796	Str.				
A 560	40	–	40	6'-10"	285	2	6'-6"	5½"		
A 561	10	–	10	22'-6"	235	Str.				
A 562	2	–	2	21'-6"	45	Str.				
A 563	7	–	7	26'-9"	195	Str.				
A 564	8	–	8	10'-9"	90	1	5'-3"	6"		
A 565	17		17	10'-9"	191	Str.				

SUPERSTRUCTURE

MARK	No.	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
S501	579	4'-4"	2615	1	2'-0"	0'-6"		
S502	579	2'-9"	1661	1	0'-7"	1'-9"		
S503	1158	1'-9"	2114	2	1'-4"	0'-6"		
S601 A	535	35'-8"	28,663	Str.				
S601 B	59	38'-2" TO 6'-2"	1832	Str.			0'-6"	1
S601 C	19	34'-2" TO 6'-2"	576	Str.			1'-6"	1
S601 D	14	6'-0"	126	Str.				
S602 A	710	38'-6"	41,057	Str.				
S602 B	71	22'-8" TO 7'-6"	1600	Str.			0'-6"	**
S603	78	47'-0"	5506	Str.				
S701 A	535	35'-8"	39,007	Str.				
S701 B	59	35'-2" TO 6'-2"	2493	Str.			0'-6"	1
S701 C	19	34'-2" TO 6'-2"	783	Str.			1'-6"	1
S701 D	14	6'-0"	172	Str.				
		TOTAL	128,205					

RAILING

R501	4	20'-4"		Str.
R502	4	19'-6"	Include	Str.
R503	4	26'-3"	with	Str.
R504	4	15'-3"	Item S-14	Str.
R401	164	16'-11"	For	Str.
R402	16	13'-8"	Payment	Str.

PIERS

MARK	PIER #1	PIER #2	PIER #3	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
P 1101	36			36	36'-6"	6981	Str.				
P 1102	18			18	18'-0"	1721	Str.				
P 1103	54	84	36	174	7'-8"	7091	2	7'-0"	1'-0"		
P 1104			36	36	39'-6"	7555	Str.				
P 1105		36		36	38'-6"	7364	Str.				
P 1106		36		36	12'-0"	2295	Str.				
P 1001	2		6	8	30'-0"	1032	Str.				
P 1002	5		4	9	11'-2"	433	2	3'-3"	8'-3"		
P 1003	6			6	41'-0"	1058	Str.				
P 1004	6			6	35'-0"	903	Str.				
P 1005		6		6	24'-3"	626	Str.				
P 901	40	46	34	120	14'-0"	5712	3	1'-3"	11'-6"		
P 902			6	6	28'-0"	571	Str.				
P 903		13		13	17'-0"	751	3	1'-3"	14'-6"		
P 904		4		4	9'-10"	134	2	5'-0"	5'-1"		
P 805			4	4	12'-8"	135	2	4'-11"	8'-0"		
P 801	4			4	12'-10"	137	2	5'-7"	7'-6"		
P 802			6	6	15'-6"	248	Str.				
P 803	6			6	18'-6"	296	Str.				
P 804		6		6	13'-4"	214	Str.				
P 702	52	39	26	117	10'-2"	2432	3	0'-10"	8'-6"		
P 701			20	20	7'-2"	293	3	0'-10"	5'-6"		
P 703	6	6	6	18	13'-0"	478	*	See	above		
P 501	16	10	12	38	10'-3"	406	1	3'-8"	3'-2"		
P 502	16	10	12	38	9'-6"	376	1	3'-4"	3'-2"		
P 503	22	10	12	44	8'-11"	409	1	3'-0"	3'-2"		
P 506	2		2	4	37'-4"	156	Str.				
P 505	2			2	11'-9"	24	Str.				
P 504		2		2	31'-6"	66	Str.				
P1006		4		4	8'-0"	138	2	5'-0"	3'-4"		
P806		6		6	23'-10"	382	Str.				
P1007		6		6	13'-9"	355	Str.				
						50,772					
						8750	SPIRALS				
					TOTAL	59,522					

SPIRALS

MARK	No.	SIZE	LENGTH	CORE DIA.	PITCH	No. of TURNS	WEIGHT
SP 401	4	4	33'-4"	38"	4½"	92	2785
SP 402	4	4	35'-3"	38"	4½"	97	2938
SP 403	4	4	36'-2"	38"	4½"	100	3027
						TOTAL	8750

REPLACEMENT BARS

MARK	No.	LENGTH	WEIGHT	TYPE
RE 400	1	5'-3		Str.
RE 401	1	5'-3		*
RE 500	1	5'-7		Str.
RE 600	2	5'-11		Str.
RE 700	2	6'-3		Str.
RE 800	1	6'-6		Str.
RE 900	1	6'-10		Str.
RE 1000	1	7'-3		Str.
RE 1100	1	7'-7		Str.

ABUTMENTS (Continued)

MARK	ABUT. #1	ABUT. #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
A1066	13		13	12'-3"	685	Str.				
A 567	26		26	7'-2"	194	2	6'-10"	5½"		
A 568	8		8	5'-6" TO 5'-6"	38	Str.			8"	2
A 869		10	10	8'-4"	223	Str.				
A870		15	15	9'-10"	394	Str.				
A571		20	20	7'-2"	150	Str.				
A572		4	4	12'-10"	54	Str.				
A573		4	4	15'-9"	66	Str.				
A574		4	4	20'-10"	87	Str.				

ABUTMENTS (Continued)

MARK	ABUT. #1	ABUT. #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
A575		2	2	10'-3"	21	Str.				
A576		4	4	4'-6"	19	Str.				
A577		2	2	13'-10"	29	Str.				
A578		7	7	15'-4"	112	Str.				
A579		22	22	4'-5" TO 2'-9"	83	#1	1'-8" TO 0'-10"	1'-4"	1" DIM "A"	2
A980		27	27	9'-6"	872	Str.				
				TOTAL	26,777					

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.

1½ 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.

** See Deck Detail Sheet for placing of bars.

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-2-1351
RELOC. S.R. 2 UNDER S.R. 44 - RAMP E
LAKE COUNTY
STA. 613+2524

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
	J.P.					

MICROFILMED
JUL 2 1985