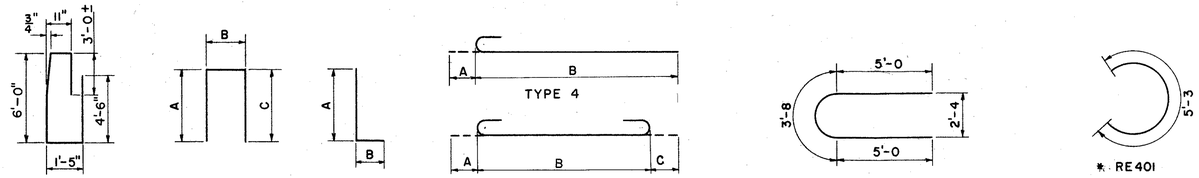
MICROFILMED
JUL 8 1986

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

297
384

LAKE COUNTY
SEC. LAK-2-14.22



REINFORCING STEEL LIST

ABUTMENTS

MARK	ABUT. #1	ABUT. #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	C	VARIES BY	No. of Ea.
A 502	18	18	36	10'-7"	375	2	7'-11"	2'-1"			
A 503	34	34	68	10'-4"	732	2	5'-9"	4'-9"			
A 504	18	18	36	10'-8"	400	2	7'-11"	3'-1"			
A 505	19	19	38	36'-8"	1,453	Str.					
A 506	16	16	32	8'-8"	289	Str.					
A 507	37	37	74	6'-9"	521	1	1'-10"	3'-5"	1'-10"		
A 508	28	28	56	5'-0"	292	Str.					
A 509	14	14	28	7'-0"	204	Str.					
A 510	48	48	96	3'-6"	350	Str.					
A 512	12	12	24	13'-2"	330	Str.					
A 514	26	26	52	3'-5"	185	1	3'-0"	8"	3'-0"		
A 515	18	18	36	15'-0"	563						
A 516	11	11	22	6'-8"	153	1	2'-10"	1'-3"	2'-10"		
A 517	14	14	28	5'-10"	170	Str.					
A 518	14	14	28	8'-0"	234	1	1'-3"	5'-8"	1'-3"		
A 601	8	8	16	40'-8"	965	Str.					
A 602	14	14	28	10'-8"	448	Str.					
					2,008	1	2'-3"	5'-8	2'-3"		
					528	1	2'-3"	3'-2"	2'-3"		
A 605	34	34	68	9'-10"	1003	2	5'-9"	4'-3"			
A 606	27	27	54	15'-3"	1,237	6					
				TOTAL	9910						

APPROACH SLABS

MARK	#1	#2	TOTAL	LENGTH	WEIGHT	TYPE	A	B			
AP 501	8	8	16	27'-7"		Str.					
AP 502	2	2	4	28'-2"		Str.					
AP 503	1	1	2	29'-2"	To be	Str.					
AP 504	9	9	18	34'-0"	included	Str.					
					with Item						
AP801	1	1	2	18'-7"	I-7 for	Str.					
AP802	1	1	2	16'-0"	Payment	Str.					
AP803	1	1	2	13'-10"		Str.					
AP 804	9	9	18	12'-5"		Str.					
AP 805	55	55	110	25'-7"		4	1'-1"	24'-6"			
AP 806	1	1	2	13'-4"		Str.					
AP 807	1	1	2	14'-3"		Str.					

SUPERSTRUCTURE

MARK	No.	LENGTH	WEIGHT	TYPE	A	B	C	VARIES BY	of Ea.
S 501	160	3'-7"	597	1	6"	2'-10"	6"		
S 502	160	6'-7"	1,098	1	6"	5'-10"	6"		
S 503	640	1'-7"	1,055	2	1'-3"	6"			
S 504	320	4'-9"	1,585	1	2'-2"	8"	2'-2"		
S 601	319	37'-0"	17,228	Str.					
S 602	420	41'-6"	26,180	Str.					
S 603	75	28'-0"	3,154	Str.					
S 701	319	37'-0"	24,125	Str.					
		TOTAL	75,022						

RAILING

R 401	128	13'-8"	To be	Str.					
R 402	16	7'-5"	included	Str.					
R 403	16	12'-10"	with Item	Str.					
			S-14 for						
			payment						

PIERS

MARK	PIER #1	PIER #2	PIER #3	TOTAL	LENGTH	WEIGHT	TYPE	A	B	C	VARIES BY	No. of Ea.
P 501	36	36	36	108	7'-7"	854	1	2'-7"	2'-8"	2'-7"		
P 502	2	2	2	6	32'-0"	200	Str.					
F 701	34	34	34	102	11'-2"	2,328	3	10"	9'-6"	10"		
P 901	12	12	12	36	6'-0"	734	2	5'-5"	10"			
P 902	12	12	12	36	17'-6"	2,142	Str.					
P 903	68	68	68	204	14'-6"	10,057	3	1'-3"	12'-0"	1'-3"		
P 1001	2	2	2	6	32'-0"	826	Str.					
P 1002	2	2	2	6	34'-0"	878	Str.					
P 1003	2	2	2	6	34'-6"	891	Str.					
P 1004	10	10	10	30	11'-1"	1,430	2	8'-0"	3'-5"			
P 1005	7	7	7	21	25'-0"	2,259	Str					
P 1006	4	4	4	12	13'-8"	706	5					
P 1101	24	24	24	72	7'-3"	2,773	2	6'-6"	1'-0½"			
P 1102	24	24	24	72	17'-6"	6,694	Str.					
				SUB	TOTAL	32,772						
					SPIRALS	2,409						
					TOTAL	35,181						

SPIRALS

MARK	No.	SIZE	LENGTH	CORE DIA.	PITCH	No. of TURNS	WEIGHT
SP 401	9	½" ϕ	14'-0"	32"	4½"	41"	2,409

REPLACEMENT BARS

MARK	No.	LENGTH	WEIGHT	TYPE
RE 401	1	5'-3		*
RE 500	1	5'-7		Str.
RE 600	3	5'-11		Str.
RE 700	2	6'-3		Str.
RE 900	1	6'-10		Str.
RE1000	1	7'-3		Str.
RE1100	1	7'-7		Str.

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.

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-2-1424
RELOC. S.R. 2 UNDER NEWELL ST.
LAKE COUNTY
STA. 651+99.35

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.L.S. R.M.P.	C.L.S. R.M.P.		L.P. M.C.			