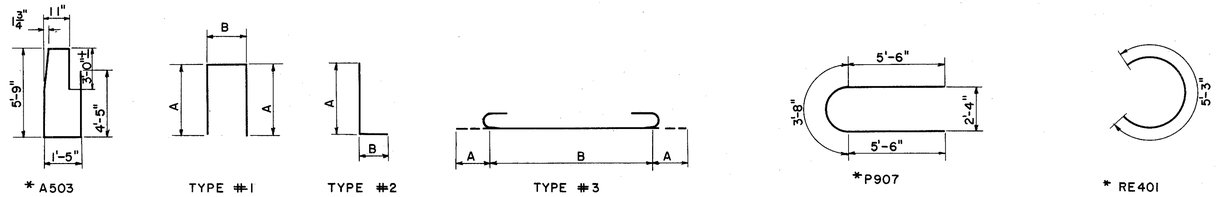
MICROFILMED
APR 27 1995

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

LAKE COUNTY
SEC. LAK-1-6.97



REINFORCING STEEL LIST

ABUTMENTS

MARK	ABUT. #1	ABUT. #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
A501	20	20	40	5'-1"	222	1	1'-0"	3'-3"		
A502	15	15	30	34'-0"	1061	Str.				
A503	33	33	66	14'-9"	1012	*				
A801	10	10	20	7'-0"	374	3	1'-1"	4'-10"		
F501	44	44	88	9'-9"	892	1	3'-8"	2'-8"		
F502	16	16	32	7'-3"	241	1	2'-5"	2'-8"		
F503	28	28	56	8'-0"	466	1	3'-4"	1'-6"		
F601	50	50	100	7'-3"	1089	2	6'-5"	1'-0"		
F602	18	18	36	17'-4"	936	1	8'-3"	1'-2"		
F901	8	8	16	36'-3"	1972	Str.				
F902	8	8	16	11'-6"	626	Str.				
F903	8	8	16	11'-3"	612	Str.				
W501	12	12	24	8'-5"	210	Str.				
W502	36	36	72	5'-0"	374	Str.				
W503	4	4	8	4'-6"	37	Str.				
W504	4	4	8	4'-0"	33	Str.				
W505	20	20	40	3'-6"	146	Str.				
W506	14	14	28	8'-9"	256	Str.				
W507	2	2	4	6'-9"	28	Str.				
W508	20	20	40	12'-7"	525	Str.				
W509	6	6	12	7'-7"	95	1	3'-8"	6"		
W510	6	6	12	6'-5"	80	2	2'-8"	1'-4"		
W511	12	12	24	6'-5" to 3'-1"	99	2	2'-8" to 1'-0"	1'-4"	4"	4
W512	18	18	36	5'-11"	222	1	2'-9"	8"		
				TOTAL	11,608					

SUPERSTRUCTURE

MARK	No.	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
S601	524	34'-7"	27,216	Str.				
S602	832	31'-11"	39,889	Str.				
S403	782	3'-4"	1,740	1	6"	3'-0"		
S404	1568	1'-9"	1,833	2	1'-4"	6"		
S705	524	34'-7"	37,037	Str.				
S603	125	32'-0"	6,008	Str.				
S405	784	4'-9"	2,488	1	2'-1"	9"		
		TOTAL	116,211					

RAILING

R401	160	17'-6"	Include	Str.				
R402	16	14'-0"	with Item	Str.				
			S-14 for					
R403	16	12'-0"	payment	Str.				

PIERS

MARK	PIER #1	PIER #2	PIER #3	PIER #4	PIER #5	TOTAL	LENGTH	WEIGHT	TYPE	A	B
PF701	30	30	30	30	30	150	10'-2"	3117	3	10"	8'-6"
PF901	36	36	36	36	36	180	6'-3"	3825	2	5'-6"	1'-0"
PF1101	24	24	24	24	24	120	14'-8"	9351	3	1'-7"	11'-6"
P501	40	40	40	40	40	200	7'-5"	1548	1	2'-6"	2'-8"
P502	2	2	2	2	2	10	29'-3"	306	Str.		
P901	36	–	–	–	–	36	19'-7"	2397	Str.		
P902	–	36	–	–	–	36	20'-10"	2550	Str.		
P903	–	–	36	–	–	36	21'-3"	2601	Str.		
P904	–	–	–	36	–	36	20'-8"	2530	Str.		
P905	–	–	–	–	36	36	19'-2"	2346	Str.		
P906	5	5	5	5	5	25	30'-0"	2550	Str.		
P907	4	4	4	4	4	20	14'-8"	996	*	See above	
P908	10	10	10	10	10	50	9'-3"	1574	2	6'-0"	3'-6"
P909	5	5	5	5	5	25	26'-6"	2254	Str.		
P1101	2	2	2	2	2	10	10'-0"	531	Str.		
					PIER		38,476				
					SPIRALS		4,853				
			GRAND		TOTAL		43,329				

SPIRALS

MARK	No.	SIZE	LENGTH	CORE DIA.	PITCH	No. of TURNS	WEIGHT
SP401	3	4	16'-2 1/4"	32"	4 1/2"	47	921
SP402	3	4	17'-5 3/8"	32"	4 1/2"	50	982
SP403	3	4	17'-10 3/8"	32"	4 1/2"	51	1002
SP404	3	4	17'-2 7/8"	32"	4 1/2"	49	964
SP405	3	4	15'-9 1/8"	32"	4 1/2"	45	984
						TOTAL	4853

REPLACEMENT BARS

MARK	No.	LENGTH	WEIGHT	TYPE
RE 401	1	5'-3"		*
RE 501	1	5'-9"		Str.
RE 602	4	6'-0"		Str.
RE 703	2	6'-3"		Str.
RE 804	1	6'-6"		Str.
RE 905	2	7'-0"		Str.
RE 1106	1	7'-9"		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.

APPROACH SLABS

MARK	SLAB #1	SLAB #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
AP501a	6	6	12	28'-3"	Include	Str.				
AP501b	1	1	2	28'-5"	with	Str.				
AP501c	1	1	2	28'-9"	Item I-7	Str.				
AP501d	1	1	2	29'-3"	for	Str.				
AP501e	1	1	2	29'-10"	payment	Str.				
AP501f	1	1	2	30'-8"		Str.				
AP501g	1	1	2	31'-8"		Str.				
AP501h	1	1	2	32'-10"		Str.				
AP501k	6	6	12	33'-2"		Str.				
AP501m	1	1	2	30'-4"		Str.				
AP501n	1	1	2	25'-0"		Str.				

MARK	SLAB #1	SLAB #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
AP801	36	36	72	25'-7"		5	1'-1"	24'-6"		
AP802	10	10	20	24'-7" to 25'-7"		5	1'-1"	23'-6" to 24'-6"	1 1/8"	4
AP803	5	5	10	11'-6" to 17'-6"		5	1'-1"	10'-5" to 16'-5"	1'-9"	2
AP804	5	5	10	14'-6" to 22'-6"		5	1'-1"	21'-5" to 13'-5"	2'-0"	2
AP805	10	10	20	25'-6" to 26'-6"		5	1'-1"	24'-6" to 25'-6"		

SEC. C-31

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

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

BAR LIST
BRIDGE NO. LAK-1-0844
S.R.1 UNDER S.R.615
LAKE COUNTY
STA. 89 + 18.13

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
	ZLK DRT		J.E.B.		