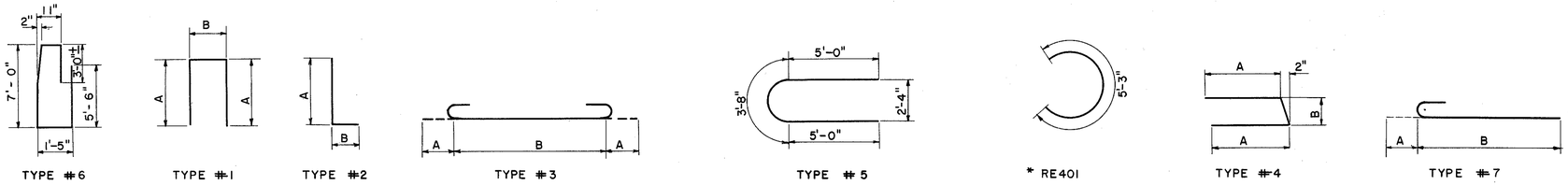
MICROFILMED
JUN 27 1985

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			249 / 277

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.
F 601	7	7	14	14'-6"	305	Str.				
F 602	52	52	104	7'-9"	1211	2	7'-5"	6"		
F 603	7	7	14	23'-3"	489	Str.				
F 605	28	28	56	6'-0"	505	1	2'-6"	1'-3"		
F 606	36	36	72	7'-5	802	1	2'-6"	2'-8"		
F 607	16	16	32	29'-6"	1418	Str.				
F 609	42	42	84	9'-6"	1199	1	3'-7"	2'-8"		
F 610	28	28	56	5'-0"	421	1	2'-0"	1'-3"		
F 611	80	80	160	5'-3"	1262	2	4'-10"	8"		
W 402	38	38	76	5'-8"	289	1	2'-8"	6"		
W 403	14	14	28	5'-6" to 2'-6"	75	4	2'-3" to 9"	1'-2"	3"	4
W 404	12	12	24	6'-0"	96	4	2'-6"	1'-2"		
W 501	8	8	16	10'-6"	176	Str.				
W 502	2	2	4	11'-3"	46	Str.				
W 503	2	2	4	12'-0"	50	Str.				
W 504	2	2	4	12'-9"	54	Str.				
W 505	4	4	8	16'-10"	140	Str.				
W 506	7	7	14	11'-1"	162	Str.				
W 507	16	16	32	3'-6"	117	Str.				
W 508	14	14	28	5'-0"	146	Str.				
W 509	43	43	86	6'-8"	599	2	6'-3"	6"		
W 511	8	8	16	20'-5"	341	Str.				
W 512	2	2	4	21'-2"	88	Str.				
W 513	2	2	4	22'-0"	92	Str.				
W 514	2	2	4	22'-9"	94	Str.				
W 515	4	4	8	25'-10"	216	Str.				
W 516	7	7	14	24'-1"	351	Str.				
A 601	53	53	106	17'-3"	2746	6	As Shown			
A 501	24	24	48	5'-2"	259	1	1'-0"	3'-5"		
A 502	18	18	36	27'-0"	1014	Str.				
A 503	18	18	36	28'-9"	1080	Str.				
A 901	8	8	16	10'-6"	572	3	1'-3"	8'-0"		
				Total	16,415					

SUPERSTRUCTURE

MARK	No.	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
S 401	822	4'-4"	2379	1	2'-0"	6"		
S 402	822	3'-7"	1966	1	6"	2'-9"		
S 403	1644	1'-8"	1834	2	1'-3"	6"		
S 601	766	34'-0"	39,118	Str.				
S 602	1054	38'-0"	60,158	Str.				
S 603	125	45'-6'	8542	Str.				
S 604	90	32'-0" to 6'-6"	2603	Str.			11 5/8"	2
S 605	24	6'-0"	216	Str.				
S 701	766	34'-0"	53,234	Str.				
S 702	90	32'-0" to 6'-6"	3542	Str.			11 5/8"	2
		Total	173,592					

RAILING

R 401	8	13'-3"	Include	Str.		
R 402	8	23'-9"	With Item	Str.		
R 403	16	17'-3"	S-14	Str.		
R 404	312	13'-10"	For	Str.		
R 405	16	13'-6"	Payment			

PIERS

MARK	PIER #1	PIER #2	PIER #3	PIER #4	PIER #5	TOTAL	LENGTH	WEIGHT	TYPE	A	B
PF 601	20	20	20	20	20	100	12'-10"	1927	3	8"	11'-6"
PF 602	40	40	40	40	40	200	7'-10"	2352	3	8"	6'-6"
PF 901	48	48	48	48	48	240	6'-3"	5100	2	5'-6"	1'-0"
P 501	4	4	4	4	4	20	15'-6"	323	Str.		
P 502	36	36	36	36	36	180	7'-1"	1329	1	2'-4"	2'-8"
P 701	8	8	8	8	8	40	13'-8"	1118	5	As	Shown
P 702	10	10	10	10	10	50	15'-9"	1610	Str.		
P 703a	4	4	4	4	4	20	23'-0	940	1	3'-2"	17'-0"
P 703b	4	4	4	4	4	20	23'-11	977	1	3'-2"	17'-11"
P 703c	2	2	2	2	2	10	24'-3"	497	1	3'-2"	18'-3"
P 901	24				24	48	18'-4"	2992	Str.		
P 902	24					24	18'-10"	1537	Str.		
P 903		48				48	20'-10"	3400	Str.		
P 904			24			24	21'-8"	1768	Str.		
P 905			24			24	21'-4"	1741	Str.		
P 906				24		24	21'-0"	1714	Str.		
P 907				24		24	20'-4"	1659	Str.		
P 908					24	24	17'-9"	1448	Str.		

Total	Piers	32,432
Total	Spirals	6,202
Grand	Total	38,634

SPIRALS

MARK	No.	SIZE	LENGTH	CORE DIA.	PITCH	No. of TURNS	WEIGHT
SP 401	2	4	15'-0 3/8"	32"	4 1/2"	43	564
SP 402	2	4	15'-6"	32"	4 1/2"	44	578
SP 403	4	4	17'-6 5/8"	32"	4 1/2"	50	1316
SP 404	2	4	18'-4 3/8"	32"	4 1/2"	52	684
SP 405	2	4	18'-0 3/8"	32"	4 1/2"	51	670
SP 406	2	4	17'-7 7/8"	32"	4 1/2"	50	658
SP 407	2	4	17'-0"	32"	4 1/2"	48	630
SP 408	2	4	15'-1 1/4"	32"	4 1/2"	43	564
SP 409	2	4	14'-5"	32"	4 1/2"	41	538
						Total	6202

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	6	5'-11"		Str.
RE 700	4	6'-3"		Str.
RE 800	1	6'-6"		Str.
RE 900	1	6'-10"		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.

1 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.

APPROACH SLABS

MARK	SLAB #1	SLAB #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
AP 501a	8	8	16	24'-6"	Include	Str.				
AP 501b	1	1	2	23'-6"	With	Str.				
AP 501c	6	6	12	28'-3"	Item I-7	Str.				
AP 502a	13	13	26	21'-0"	For	Str.				
AP 502b	1	1	2	19'-2"	Payment	Str.				
AP 502c	1	1	2	17'-4"		Str.				
AP 801a	1	1	2	28'-9"		Str.				
AP 801b	1	1	2	25'-6"		Str.				
AP 801c	1	1	2	23'-6"		Str.				
AP 801d	1	1	2	22'-0"		Str.				
AP 801e	1	1	2	21'-0"		Str.				
AP 802	9	9	18	23'-10" to 29'-3"		Str.			8 1/4"	2
AP 803	37	37	74	24'-6"		Str.				
AP 804	9	9	18	24'-0" to 18'-6"		Str.			8 1/4"	2

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

REINFORCING BAR LIST
BRIDGE NO LAK-1-0906
S.R.1 UNDER CHILLICOTHE ROAD
LAKE COUNTY
STA. 123 + 07.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
	J.T.H.		DRT		