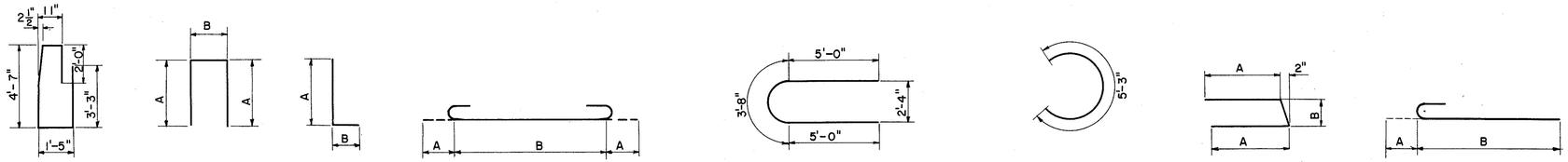
MICROFILMED
JUN 27 1995

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

235
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.
AF 501	31	31	62	7'-3"	469	5	7"	6'-8"		
AF 502	21	21	42	9'-4"	409	2	6'-11"	2'-6"		
AF 701	3	3	6	32'-3"	397	Str.				
AF 1101	4	4	8	13'-0"	553	Str.				
A 502	20	20	40	6'-4"	264	1	1'-7"	3'-5"		
A 503	18	18	36	30'-3"	1136	Str.				
A 601	30	30	60	11'-6"	1036	*	as	shown		
A 1101	10	10	20	9'-2"	972	3	1'-7"	6'-0"		
A 1102	10	10	20	10'-5"	1105	3	1'-7"	7'-3"		
WF 601	4	4	8	9'-0"	108	Str.				
WF 701	18	18	36	9'-3"	681	1	4'-3"	1'-1"		
W 501	8	8	16	8'-0"	134	Str.				
W 502	8	8	16	9'-6"	159	Str.				
W 503	8	8	16	7'-6"	125	Str.				
W 504	6	6	12	13'-4"	166	Str.				
W 505	6	6	12	3'-9"	47	Str.				
W 506	4	4	8	4'-0"	33	Str.				
W 507	4	4	8	3'-6"	29	Str.				
W 508	16	16	32	3'-3"	108	Str.				
W 601	14	14	28	10'-7"	445	2	9'-9"	1'-0"		
W 602	8	8	16	7'-6"	180	Str.				
W 603	6	6	12	11'-1"	200	Str.				
W 604	4	4	8	8'-2"	98	3	8"	6'-10"		
W 401	16	16	32	12'-3"	262	Str.				
W 402	24	24	48	5'-8"	182	1	2'-8"	6"		
W 403	16	16	32	6'-7" to 2'-11"	102	4	2'-10" to 1'-0"	1'-1"	3	4
				TOTAL	9400 #					

SUPERSTRUCTURE

MARK	No.	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
S 401	1576	1'-7"	1666	2	6"	1'-2"		
S 402	788	3'-7"	1886	1	6"	2'-9"		
S 403	788	4'-4"	2281	1	2'-0"	6"		
S 501	591	30'-8"	18,904	Str.				
S 601	591	30'-8"	27,223	Str.				
S 602	110	30'-0"	4957	Str.				
S 603	627	37'-8"	35,473	Str.				
		TOTAL	92,390					

RAILING

MARK	No.	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	No. of Ea.
R 401	8	11'-0"	Include	Str.				
R 402	8	11'-3"	with	Str.				
R 403	168	17'-1"	Item					
R 404	16	13'-9"	S-14 for					
			Payment					

PIERS

MARK	PIER #1	PIER #2	PIER #3	PIER #4	PIER #5	TOTAL	LENGTH	WEIGHT	TYPE	A	B
PF 601	30	30	20	30	30	140	6'-10"	1436	3	8"	5'-6"
PF 602	—	—	12	—	—	12	8'-10"	159	3	8"	7'-6"
PF 801	—	—	26	—	—	26	11'-8"	809	3	1'-1"	9'-6"
PF 802	24	24		24	24	96	10'-8"	2734	3	1'-1"	8'-6"
PF 1001	24	24	8	24	24	104	6'-8"	2968	2	1'-0"	6'-0"
PF 1101			24			24	7'-0"	893	2	1'-0"	6'-4"
P 501	28	28	28	28	28	140	7'-1"	1034	1	2'-4"	2'-8"
P 502	2	2	2	2	2	10	25'-6"	266	Str.		
P 901	2	2	2	2	2	10	32'-5"	1102	1	3'-6"	25'-11"
P 902	2	2	2	2	2	10	34'-1"	1159	1	3'-6"	27'-7"
P 1001			8			8	22'-3"	766	Str.		
P 1002	24				24	48	19'-2"	3959	Str.		
P 1003		24		24		48	21'-3"	4389	Str.		
P 1005	2	2	2	2	2	10	25'-3"	1089	Str.		
P 1006	2	2	2	2	2	10	28'-0"	1205	Str.		
P 1007	4	4	4	4	4	20	15'-0"	1291	Str.		
P 1101			24			24	22'-3"	2837	Str.		
P 1102	4	4	4	4	4	20	13'-8"	1450	*	as	shown
							TOTAL	29,546 #			
				Total Including			Spirals	34,574 #			

SPIRALS

MARK	No.	SIZE	LENGTH	CORE DIA.	PITCH	No. of TURNS	WEIGHT
SP 401	3	4	19'-6 5/8"	32"	4½"	56	1099
SP 402	6	4	16'-5 1/4"	32"	4½"	47	1843
SP 403	6	4	18'-6 3/8"	32"	4½"	53	2086
						TOTAL	5,028

REPLACEMENT BARS

MARK	No.	LENGTH	WEIGHT	TYPE
RE 401	1	5'-3"		
RE 402	1	5'-3"		
RE 501	2	5'-7"		
RE 601	8	5'-11"		
RE 701	1	6'-3"		
RE 801	1	6'-6"		
RE 901	1	6'-10"		
RE 1001	2	7'-3"		
RE 1101	1	7'-7"		

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.
AP 501	1	1	2	21'-9"		Str.				
AP 502	8	8	16	29'-0"	Include	Str.				
AP 503	1	1	2	28'-0"	with	Str.				
AP 504	1	1	2	27'-0"	Item	Str.				
AP 505	1	1	2	26'-0"	I-7	Str.				
AP 506	1	1	2	25'-3"	for	Str.				
AP 507	1	1	2	24'-6"	Payment	Str.				
AP 508	6	6	12	24'-0"		Str.				
AP 801	5	5	10	15'-0" to 22'-0"		Str.			1'-9"	2
AP 802	10	10	20	25'-8" to 26'-7"		5	1'-1"	24'-7" to 25'-6"	1¼"	2
AP 803	27	27	54	25'-7"		5	1'-1"	24'-6"		
AP 804	10	10	20	24'-6" to 25'-5"	Include	5	1'-1"	23'-5" to 24'-4"	1¼"	2
AP 805	5	5	10	11'-0" to 18'-0"	with	Str.			1'-9"	2
					Item					
					I-7					
					for					
					Payment					

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-1-0775
S.R.1 UNDER GARFIELD ROAD
LAKE COUNTY
STA. 52 + 82.16

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
	DRT		JG. TEB		