



REINFORCING STEEL LIST

ABUTMENTS											SUPERSTRUCTURE											PIERS											REPLACEMENT BARS				
MARK	ABUT. #1	ABUT. #2	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIABLES BY	No. of Eqs.	MARK	No.	LENGTH	WEIGHT	TYPE	A	B	VARIABLES BY	No. of Eqs.	MARK	PIER #1	PIER #2	PIER #3	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIABLES BY	No. of Eqs.	MARK	No.	LENGTH	WEIGHT	TYPE	
F 401	23	23	46	6'-6"	200	1	2'-7"	1'-6"			S 701	1066	32'-4"	70,444	Str.					F 701	10	10	10	30	16'-2"	991	3	10"	14'-6"			RE 400	1	5'-3"		Str.	
F 402	64	64	128	6'-0"	513	Str.					S 702	16	3'-0"	98	Str.					F 702	10	10	10	30	16'-2"	991	3	10"	14'-6"			RE 401	1	5'-3"		*	
F 501	64	64	128	6'-0"	801	Str.					S 703	180	3'-6" to 3'-0"	6347	Str.			0'-7 3/4"	4	F 703	20	20	20	60	11'-4"	2926	3	1'-5"	8'-6"			RE 500	1	5'-7"		Str.	
F 502	15	15	30	10'-0"	313	Str.					S 601	1066	32'-4"	51,765	Str.					F 704	144	144	144	432	11'-8"	26,788	3	1'-7"	8'-6"			RE 600	15	5'-11"		Str.	
F 601	94	94	188	11'-9"	3318	2	7'-0"	5'-0"			S 602	1464	34'-0"	74,764	Str.					F 801	160	160	160	480	7'-6"	19,127	2	6'-10"	1'-0"			RE 700	7	6'-3"		Str.	
F 702	5	5	10	12'-9"	262	Str.					S 603	288	26'-0"	14,708	Str.					P 501	56	56	56	168	7'-5"	1301	1	2'-6"	2'-6"			RE 800	1	6'-6"		Str.	
F 703	5	5	10	20'-0"	409	Str.					S 604	16	3'-0"	72	Str.					P 502	8	8	8	24	13'-0"	325	Str.					RE 900	3	6'-10"		Str.	
F 704	21	21	42	34'-9"	2984	Str.					S 605	180	3'-6" to 3'-0"	4664	Str.			0'-7 3/4"	4	P 801	32	32	32	96	8'-4"	2136	2	5'-0"	3'-7"			RE 1000	1	7'-3"		Str.	
A 501	32	32	64	30'-0"	2003	Str.					S 501	964	4'-6"	4530	1	2'-0"	0'-9"			P 802	16	16	16	48	11'-8"	1495	4	See detail above.				RE 1100	5	7'-7"		Str.	
A 502	16	16	32	36'-0"	1202	Str.					S 502	1928	1'-9"	3520	2	1'-6"	0'-5"			P 803	16	16	16	48	14'-3"	1826	Str.										
A 503	40	40	80	7'-0"	584	1	2'-0"	3'-3"			S 503	964	3'-9"	3770	1	0'-7"	2'-10"			P 804	16	16	16	48	11'-3"	1442	Str.										
A 601	94	94	188	19'-9"	5577	5	See detail above.				S 504	482	3'-0"	1508	6	1'-0"	0'-5"			P 901	-	80	-	80	15'-9"	4284	Str.										
A 401	4	4	8	5'-6"	30	1	2'-0"	1'-9"											P 902	-	80	-	80	16'-0"	4353	Str.											
W 401	36	36	72	5'-10"	281	1	2'-9"	6"											P 903	80	-	80	160	18'-3"	9929	Str.											
W 402	11	11	22	6'-10"	100	1	2'-10"	1'-4"											P 904	40	-	40	80	17'-6"	4760	Str.											
W 403	14	14	28	6'-8" to 3'-2"	92	1	2'-9" to 1'-0"	1'-4"	3 1/16	4									P 905	40	-	40	80	18'-0"	4897	Str.											
W 501	9	9	18	11'-0"	208	Str.																															
W 502	9	9	18	17'-6"	338	Str.																															
W 503	1	1	2	8'-6"	18	Str.																															
W 504	1	1	2	12'-3"	26	Str.																															
W 505	1	1	2	10'-0"	21	Str.																															
W 506	1	1	2	9'-0"	19	Str.																															
W 507	2	2	4	18'-0"	75	Str.																															
W 508	3	3	6	15'-0"	94	Str.																															
W 509	6	6	12	14'-9"	184	Str.																															
W 510	1	1	2	16'-0"	33	Str.																															
W 511	1	1	2	19'-0"	40	Str.																															
W 512	1	1	2	17'-0"	35	Str.																															
W 513	1	1	2	17'-9"	38	Str.																															
W 514	2	2	4	24'-6"	103	Str.																															
W 515	3	3	6	22'-3"	140	Str.																															
W 516	6	6	12	22'-6"	282	Str.																															
W 517	5	5	10	5'-6"	57	Str.																															
W 518	14	14	28	7'-0"	204	Str.																															
W 519	26	26	52	7'-1"	383	2	6'-9"	6"			R 401	8	13'-3"																								
W 520	4	4	8	5'-0"	42	Str.					R 402	8	21'-0"																								
W 521	12	12	24	3'-6"	89	Str.					R 403	160	17'-6"	Str.																							
				TOTAL	22,879						R 404	16	14'-0"	Str.																							
																											TOTAL FOR PIERS			92,767							
											SPIRALS																										
											MARK	No.	SIZE	LENGTH	CORE DIA.	PITCH	No. of TURNS	WEIGHT																			
											SP 401	4	1/2"	12'-3"	32"	4 1/2"	35	917																			
											SP 402	4	1/2"	12'-7"	32"	4 1/2"	36	945																			
											SP 403	8	1/2"	14'-8"	32"	4 1/2"	42	2199																			
											SP 404	4	1/2"	14'-0"	32"	4 1/2"	40	1048																			
											SP 405	4	1/2"	14'-6"	32"	4 1/2"	41	1078																			
																		TOTAL FOR PIERS			92,767																

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.

1/2 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 Highway 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-2-0695
S. R. 2 UNDER S. R. 306
LAKE COUNTY

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
	DET				