FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

LAK-528-1.24

66
70

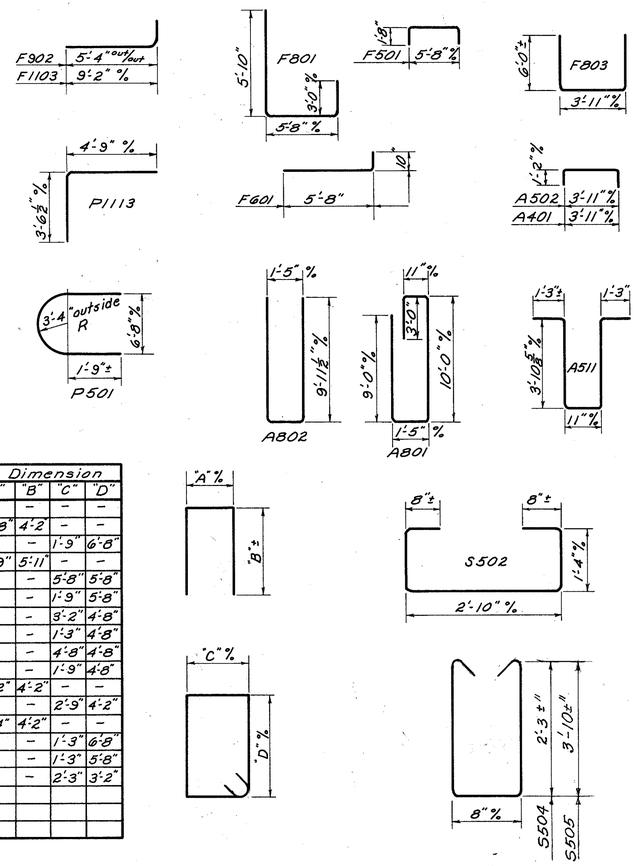
REINFORCING STEEL LIST

MARK	No.	LENGTH	WEIGHT	SHP	PIER No. 1	2	3	4
Piers								
F1101	75	16'-6"	6575	S	75	–	–	–
F1102	225	22'-6"	26,898	S	–	75	75	75
F1103	504	10'-3"	27,448	B	126	126	126	126
F901	128	26'-2"	11,388	S	26	34	34	34
F902	184	6'-4"	3,960	B	46	46	46	46
P1101	126	18'-6"	12,385	S	126	–	–	–
P1102	378	33'-6"	67,278	S	–	126	126	126
P1103	88	32'-9"	15,312	S	88	–	–	–
P1104	72	28'-0"	10,711	S	72	–	–	–
P1105	88	35'-9	16,715	S	–	88	–	–
P1106	72	29'-0"	11,094	S	–	72	–	–
P1107	88	38'-9"	18,117	S	–	–	88	–
P1108	72	32'-6"	12,432	S	–	–	72	–
P1109	88	41'-9"	19,520	S	–	–	–	88
P1110	72	34'-6"	13,197	S	–	–	–	72
P1111	236	32'-0"	40,124	S	59	59	59	59
P1112	48	33'-0"	8,416	S	12	12	12	12
P1113	96	8'-0"	4,080	B	24	24	24	24
P1114	640	8'-0"	27,204	S	160	160	160	160
P901	46	18'-6"	2893	S	46	–	–	–
P902	138	33'-6"	15,717	S	–	46	46	46
P601	328	4'-3"	2,093	S	52	92	92	92
P602	164	22'-6"	5,544	S	26	46	46	46

MARK	No.	LENGTH	WEIGHT	SHP	Dimension "A"	"B"	"C"	"D"
P501	242	14'-0"	3534	B	38	68	68	68
P502	484	14'-9"	7445	B	76	136	136	136
P503	242	17'-2"	4333	B	38	68	68	68
P504	484	13'-4"	6730	B	76	136	136	136
P505	300	23'-0"	7199	B	66	72	78	84
P506	600	15'-2"	9492	B	132	144	156	168
P507	96	16'-0"	1600	B	24	24	24	24
P508	96	12'-2"	1216	B	24	24	24	24
P509	246	19'-0"	4875	B	56	58	64	68
P510	984	13'-2"	13,513	B	224	232	256	272
P511	272	12'-3"	3476	B	68	68	68	68
P512	136	14'-2"	2012	B	34	34	34	34
P513	272	9'-5"	2672	B	68	68	68	68
P514	484	16'-2"	8160	B	76	136	136	136
P515	1200	14'-2"	17,731	B	264	288	312	336
P516	96	11'-2"	1120	B	24	24	24	24

BAR SIZE is indicated in the bar mark. The first digit where three digits are used, and the first two digits where four are used, indicate the bar size number. For example, A701 is a No.7 size bar and A1001 is a No.10 size.

BENDING DIAGRAMS



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. 5-4.02 need not be furnished and replacement bars will not be required.

MARK	No.	LENGTH	WEIGHT	SHP	ABUTMENT North	South
Abutments						
F801	32	14'-2"	1210	B	–	32
F802	14	21'-0"	785	S	–	14
F803	30	15'-7"	1248	B	30	–
F601	34	6'-4"	323	B	2	32
F602	8	20'9"	249	S	8	–
F501	32	8'-9"	292	B	–	32
A901	8	12'-0"	326	S	4	4
A801	48	23'-8"	3034	B	24	24
A802	24	21'-0"	1346	B	12	12
A501	16	19'-0"	316	S	8	8
A502	36	6'-0	226	B	18	18
A503	36	28'-6"	1070	S	18	18
A504	8	26'-0"	216	S	4	4
A505	8	24'-0"	200	S	4	4
A506	4	21'-0"	88	S	2	2
A507	16	8'-0"	134	S	8	8
A508	16	9'-6	160	S	8	8
A509	8	11'-0"	92	S	4	4
A510	16	8'-7"	142	S	8	8
A511	20	10'-8"	224	B	10	10
A512	8	8'-0"	66	S	4	4
A401	56	6'-0"	224	B	28	28
Superstructure						
S701	1312	36'-0"	96,542	S		
S601	1312	36'-0"	70,942	S		
S602	1326	39'-8"	79,003	S		
S603	300	31'-7"	14,231	S		
S501	260	39'-5"	10,690	S		
S502	1312	6'-4"	8667	B		
S503	1312	2'-11"	3991	S		
S504	1316	5'-9"	7892	B		
S505	16	8'-11"	149	B		
Railing Bars						
R501	8	19'-7"	Included with railing for payment.	S		
R502	8	10'-7"		S		
R503	424	17'-8"		S		
R504	16	3'-8"		S		
Replacement Bars						
RE1100	17	7'-6"	–	S		
RE900	2	6'-10"	–	S		
RE800	1	6'-6"	–	S		
RE700	5	6'-2"	–	S		
RE600	9	5'-11"	–	S		
RE500	7	5'-7"	–	S		
RE400	1	5'-3"	–	S		

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

REINFORCING STEEL LIST
BRIDGE NO. LAK-528-0192
OVER GRAND RIVER
LAKE COUNTY Sta. 37+85.50 to 47+72.50

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
KED	KED	PENSYL	D.G.S.	BFG	1-9-61	