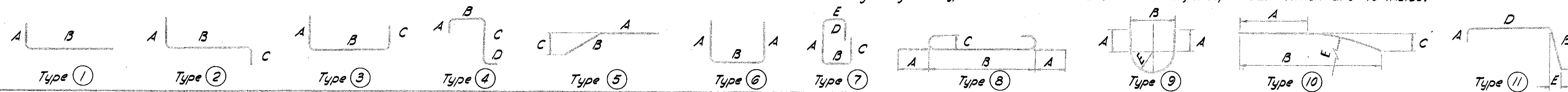


### REINFORCING STEEL BAR SCHEDULE

Bending diagram types - All dimensions are out to out, except radii which are to inside.



ABUTMENTS										
MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
A601	236	6	9'-8"	1	4'-5"	5'-5"				3427
A602	236	6	13'-9"	7	5'-0"	1'-5"	3'-11"	3'-2"	11"	4874
A503	32	5	32'-9"	str.						1093
A504	226	5	3'-0"	str.						707
A505	26	5	10'-7"	str.						287
A506	4	5	9'-6"	str.						40
A507	10	5	11'-11"	str.						124
A508	64	5	7'-3"	6	2'-2"	3'-2"				484
A509	28	5	10'-11"	6	5'-0"	1'-2"				319
A510	8	5	5'-5"	1	8"	5'-0"				45
A511	120	5	2'-6"	str.						313
A512	120	5	3'-6"	str.						438
A513	120	5	31'-8"	str.						3,963
A514	192	5	3'-3"	6	8"	2'-2"				651
A515	14	5	9'-4"	str.						136
A516	42	5	9'-0"	str.						394
A517	64	5	3'-9"	str.						250
A518	16	5	7'-3"	str.						121
A519	16	5	9'-8"	str.						161
A520	16	5	8'-0"	5	4'-4"	3'-8"	1'-5"			134
A521	48	5	14'-6"	str.						726
A522	24	5	5'-8"	str.						142
A523	56	5	7'-8"	str.						438
A524	16	5	4'-6"	str.						75
A525	16	5	4'-0"	str.						67
A526	80	5	3'-6"	str.						292
A527	8	5	13'-6"	str.						113
A528	8	5	14'-10"	10	2'-10"	14'-9"	1'-2"		71'-10"	124
A529	8	5	14'-0"	10	2'-0"	13'-11"	1'-2"		71'-10"	117
A530	32	5	2'-4"	1	8"	1'-10"				78
A531	24	5	2'-3"	1	8"	1'-9"				56
A532	24	5	2'-1"	1	8"	1'-7"				52
A533	16	5	1'-10"	1	8"	1'-4"				30
A534	16	5	1'-6"	1	8"	1'-0"				26
A535	8	5	1'-2"	1	8"	8"				10
A536	32	5	3'-7"	11	8"	1'-4"	0"	1'-10"	3"	120
A537	24	5	3'-6"	11	8"	1'-4"	0"	1'-9"	3"	88
A538	24	5	3'-4"	11	8"	1'-4"	0"	1'-7"	3"	84
A539	16	5	3'-1"	11	8"	1'-4"	0"	1'-4"	3"	52
A540	16	5	2'-9"	11	8"	1'-4"	0"	1'-0"	3"	46
A541	8	5	2'-5"	11	8"	1'-4"	0"	8"	3"	20
A542	64	5	8'-6"	str.						567
A543	64	5	6'-1"	6	1'-7"	3'-2"				406
A544	40	5	8'-11"	6	4'-0"	1'-2"				372
A545	24	5	6'-8"	str.						167
A446	112	4	3'-1"	1	6"	2'-8"				231
A447	112	4	4'-2"	4	1'-3"	8"	2'-1"	6"		312
R448	32	4	13'-3"	str.						Included with railing for payment
Total Weight										22,772

REPLACEMENT BARS					
MARK	NO.	SIZE	LENGTH	TYPE	WEIGHT
RE1001	1	10	7'-2"	str.	31
RE702	6	7	6'-3"	str.	77
RE603	10	6	5'-11"	str.	89
RE504	2	5	5'-7"	str.	12
RE405	1	4	5'-3"	str.	4

**REPLACEMENT BARS**  
If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test sample as provided in section S-4.02 need not be furnished and replacement bars will not be required.

SUPERSTRUCTURE										
MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
S701	834	7	30'-10"	str.						52,561
S702	790	7	27'-2"	str.						43,868
S703	44	7	24'-10" to 11'-2"	str.	4 each vary about 1'-4 3/8"					1,619
S704	96	7	38'-4" to 6'-11"	str.	4 each vary about 1'-4 3/8"					4,440
S705	12	7	5'-9"	str.						141
S606	834	6	30'-8"	str.						38,416
S607	790	6	27'-0"	str.						32,038
S608	44	6	24'-8" to 11'-0"	str.	4 each vary about 1'-4 3/8"					1,178
S609	96	6	38'-4" to 6'-11"	str.	4 each vary about 1'-4 3/8"					3,262
S610	12	6	5'-9"	str.						104
S611	1,440	6	37'-10"	str.						81,828
S612	222	6	32'-0"	str.						10,670
S513	1,160	5	3'-10"	11	6"	1'-3"	8"	1'-10"	3"	4,638
S414	1,160	4	3'-3"	1	6"	2'-10"				2,518
S415	1,160	4	4'-2"	4	1'-3"	8"	2'-1"	6"		3,229
R416	240	4	9'-10"	str.						Included with railing for payment
R417	32	4	17'-7"	str.						
Total Weight										280,510

PIERS										
MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
P1001	72	10	34'-0"	1	2'-8"	31'-8"				10,534
P1002	72	10	22'-0"	str.						6,816
P1003	72	10	15'-0"	str.						4,648
P704	60	7	37'-9"	8	10"	36 1/4"	7"			4,630
P705	252	7	10'-4"	8	10"	8 1/8"	7"			5,322
P606	372	6	5'-2"	1	10"	4'-6"				2,887
P607	56 Pier No.1	6	20'-6"	str.						1,724
P608	6 Pier No.1	6	18'-9"	str.						169
P609	56 Pier No.2	6	20'-10"	str.						1,752
P610	6 Pier No.2	6	19'-1"	str.						172
P611	56 Pier No.3	6	21'-2"	str.						1,780
P612	6 Pier No.3	6	19'-5"	str.						175
P613	56 Pier No.4	6	20'-10"	str.						1,752
P614	6 Pier No.4	6	19'-1"	str.						172
P615	56 Pier No.5	6	21'-2"	str.						1,780
P616	6 Pier No.5	6	19'-5"	str.						175
P617	56 Pier No.6	6	21'-6"	str.						1,808
P618	6 Pier No.6	6	19'-9"	str.						178
P619	24	6	17'-7"	5	15'-8"	2'-0"	10 3/4"			634
P520	132	5	27'-5"	str.						3,775
P521	132	5	7'-0"	9	1'-7"	2'-5"		1'-2"		964
P522	60	5	23'-5"	6	10'-6"	2'-8"				1,465
P523	72	5	14'-2"	6	5'-11"	2'-8"				1,064
P524	48	5	11'-2"	6	4'-5"	2'-8"				559
P525	48	5	9'-4"	6	3'-5"	2'-8"				467
P526	12	5	30'-8"	str.						384
P527	12	5	38'-8"	str.						484
P528	24	5	24'-3"	str.						607
P529	24	5	26'-3"	str.						707
P530	24	5	29'-7"	str.						741
P531	12	5	2'-6"	6	8"	1'-5"				31
P532	12	5	3'-3"	6	8"	2'-2"				41
P533	264	5	3'-9"	6	8"	2'-8"				1,033
Total Weight										59,430 lbs.

ESTIMATED QUANTITIES							
ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR.	ABUTS.	PIERS	GENERAL
E-2	Lump Sum		Cofferdams, Cribbs, & Sheeting				Lump Sum
E-2	724	Cu.Yds.	Unclassified Excavation		305	419	
E-2	849	Cu.Yds.	Shale Excavation		305	312	
S-1	976	Cu.Yds.	Class "C" Concrete, Superstructure	976			
S-1	756	Cu.Yds.	Class "C" Concrete, Piers Above Footings			756	
S-1	214	Cu.Yds.	Class "E" Concrete, Abutments above footings		214		
S-1	397	Cu.Yds.	Class "E" Concrete, Footings		177	220	
S-4	362,712	Lbs.	Reinforcing Steel	280,510	22,772	59,430	
S-7	1,196,200	Lbs.	Structural Steel	1,196,200			
S-8	1,196,200	Lbs.	Field Painting of Structural Steel	1,196,200			
S-14	1,270	Lin.Ft.	Railing (Aluminum Rail & Supports, Concrete Parapet)	1,161	109		
S-16	Lump Sum		First Test Pile				Lump Sum
S-18	900	Lin.Ft.	Steel Piles 12 BP53		900		
S-29	95	Cu.Yds.	Porous Backfill		95		
F-10	651	Sq.Yds.	Crushed Aggregate Slope Protection				651
I-27	4	Ea.	Bridge Delineators				4

**BAR SIZE**

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, A401 is a no.4 size bar and A114 is a no.11 size bar.

MICHAEL BAKER JR., CONSULTING ENGINEERS  
ROCHESTER, PENNSYLVANIA

**REINFORCING STEEL LIST & ESTIMATED QUANTITIES**  
BRIDGE NO. LAK-1-0505  
OVER CHAGRIN RIVER

LAKE COUNTY STA. 273 + 53.50  
TO 276 + 46.50

Designed	Drawn	Traced	Checked	Reviewed-Date	Revised
C.R.J.	W.B.M.	W.B.M.	J.K.W.	W.R.B. 4-25-58	