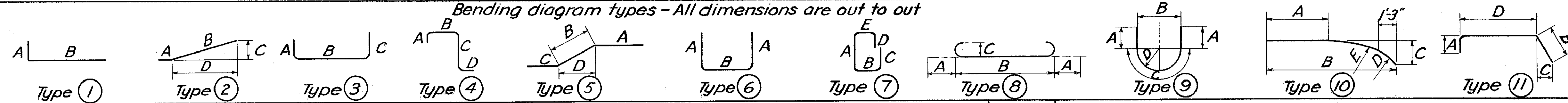


REINFORCING STEEL BAR SCHEDULE

Bending diagram types - All dimensions are out to out



PIERS										
MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
P701	288	7	12'-2"	8	10"	10'-6"	7			7164
P602	40	6	35'-6"	Str.						2133
P603	264	6	5'-6"	1	10"	4'-8"				2181
P504	206	5	35'-0"	9	15'-5"	2'-8"	4'-2"	1'-4"		7520
P605	264	6	21'-0"	Str.						8327
P506	6	5	17'-2"	Str.						107
P507	66	5	18'-11"	Str.						1302
P508	126	5	20'-11"	Str.						2749
P509	76	5	23'-2"	Str.						1837
P510	8	5	31'-11"	Str.						266
P611	24	6	15'-9"	2	1'-9"	14'-0"	4'-5"	13'-4"		568
P512	16	5	30'-6"	Str.						509
P513	16 Sets of 13	5	7'-5" to 10'-7"	6	2'-5"	2'-8"				1952
P514	16 Sets of 8	5	10'-11" to 11'-9"	6	2'-5"	2'-8"				1513
P515	84	5	17'-7"	6	7'-7"	2'-8"				1540
P1116	16	11	34'-0"	1	2'-8"	31'-4"				2890
P1117	48	11	31'-4"	Str.						7990
P518	168	5	5'-8"	6	1'-6"	2'-8"				994
P519	6	5	19'-2"	Str.						120

MARK	TOTAL	SIZE	LENGTH	PITCH	NO. of TURN	CORE DIA.	WEIGHT
	None Required						
							Total Weight 51,662

ABUTMENTS										
MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
A601	228	6	9'-9"	1	4'-6"	5'-5"				3339
A602	224	6	21'-6"	7	8'-10"	1'-5"	7'-6"	2'-10"	11"	7233
A503	32	5	31'-9"	Str.						1060
A504	20	5	15'-8"	Str.						327
A505	12	5	11'-0"	Str.						138
A506	8	5	16'-6"	Str.						138
A507	88	5	12'-9"	6	5'-11"	1'-2"				1770
A508	176	5	7'-1"	6	2'-2"	3'-0"				1300
A509	240	5	2'-6"	Str.						626
A510	112	5	30'-9"	Str.						3592
A511	168	5	6'-8"	6	1'-6"	3'-8"				1169
A512	228	5	3'-0"	Str.						713
A513	52	5	9'-11"	Str.						538
A514	52	5	9'-3"	Str.						302
A515	24	5	14'-6"	Str.						363
A516	24	5	14'-2"	Str.						355
A517	96	5	4'-0"	Str.						400
A518	24	5	8'-1"	Str.						202
A519	24	5	7'-8"	Str.						192
A520	24	5	12'-3"	Str.						307
A521	32	5	19'-3"	Str.						642
A522	16	5	3'-9"	Str.						63
A523	112	5	2'-6"	Str.						292
A524	80	5	2'-3"	1	6"	1'-9"				188
A525	8 Sets of 4	5	1'-10" to 2'-1"	1	6"	B=1'-4" to 1'-7"				67
A526	8 Sets of 5	5	1'-4" to 1'-10"	1	6"	B=10" to 1'-4"				66
A527	80	5	3'-4"	11	6"	1'-2"	2"	1'-8"		278
A528	8 Sets of 4	5	3'-0" to 3'-3"	11	6"	1'-2"	2"	1'-2"		106
A529	8 Sets of 5	5	2'-6" to 3'-0"	11	6"	1'-2"	2"	1'-2"		115
A530	8	5	18'-10"	10	6'-1"	18'-10"	1'-0"		72R	157
A531	8	5	19'-6"	10	5'-4"	19'-6"	1'-0"		72R	163
A532	8	5	18'-0"	Str.						150
R433	32	4	18'-0"	Str.	Included with railing for payment					
A434	112	4	3'-0"	1	5"	2'-7"				224
A435	112	4	3'-9"	4	1'-0"	8"	1'-8"	5"		280

Total Weight 26,455

SUPERSTRUCTURE										
MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
S401	1048	4	4'-6"	4	1'-2"	8"	2'-2"	6"		3150
R402	32	4	12'-1"	Str.	Included with railing for payment					
R403	256	4	14'-6"	Str.						
S404	1048	4	3'-0"	1	5"	2'-7"				2100
S505	1048	5	3'-5"	5	1'-7"	6"	1'-4"	6"		3738
S606	1442	6	39'-0"	Str.						84469
S607	176	6	36'-0"	Str.						9517
S608	1492	6	28'-10"	Str.						64615
S609	112	6	8'-6" to 30'-2"	Str.	Each Varies by 1'-8"					3252
S710	1492	7	29'-0"	Str.						88440
S711	112	7	8'-6" to 30'-2"	Str.	Each Varies by 1'-8"					4426
S512	16	5	30'-10"	Str.						515
S613	20	6	7'-0"	Str.						210
S714	20	7	7'-0"	Str.						286

Total Weight 264,718

ESTIMATED QUANTITIES							
ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR	ABUTS.	PIERS	GENERAL
E-2	1540	Cu.Yd.	Unclassified Excavation		660	950	
E-2	Lump Sum		Cofferdams, Cribbs & Sheeting				Lump Sum
E-3	2,200	Cu.Yd.	Channel Excavation				2,200
S-1	906	Cu.Yd.	Class "C" Concrete, Superstructure	906			
S-1	723	Cu.Yd.	Class "C" Concrete, Piers above footings			723	
S-1	299	Cu.Yd.	Class "E" Concrete, Abutments above footings		299		
S-1	381	Cu.Yd.	Class "E" Concrete, Footings		205	176	
S-4	342,855	Lbs.	Reinforcing Steel	264,718	26,455	51,662	
S-7	1,197,600	Lbs.	Structural Steel	1,197,600			
S-8	1,197,600	Lbs.	Field Painting of Structural Steel	1,197,600			
S-14	1,194	Lin.Ft.	Railing (Aluminum Rail & Supports, Concrete Parapet).				1,194
S-29	117	Cu.Yd.	Porous Backfill		117		
I-10	1,836	Sq.Yd.	Crushed Aggregate Slope Protection				1,836
I-10	2,400	Cu.Yd.	Dumped Rock Channel Protection				2,400
S-16	Lump Sum		First Test Pile				Lump Sum
S18	3,740	Lin.Ft.	Steel Piles, 12BP53		3,740		
I-127	4	Ea.	Bridge Delineators				4

REPLACEMENT BARS						
MARK	NO.	SIZE	LENGTH	TYPE	WEIGHT	
RE 401	1	4	5'-3"	Str.		
RE 501	2	5	5'-7"	Str.		
RE 601	10	6	5'-11"	Str.		
RE 701	6	7	6'-3"	Str.		
RE 1101	2	11	7'-6"	Str.		

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

BAR SIZE
Bar size is indicated in the bar mark. The first digit where three digits are used, and first two digits where four are used, indicate the bar size number. For example A401 is a no. 4 size bar and A1114 is a no. 11 size bar.

MICHAEL BAKER, JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

REINFORCING STEEL LIST & ESTIMATED QUANTITIES
BRIDGE NO. LAK-1-0541
OVER EAST BRANCH CHAGRIN RIVER
LAKE COUNTY STA. 294+ 98.00

Designed	Drawn	Traced	Checked	Reviewed - Date	Revised
A.A. D.W.S.	P.W.	F.E.H.	D.W.S. C.S.A.	K.C. 11-57	