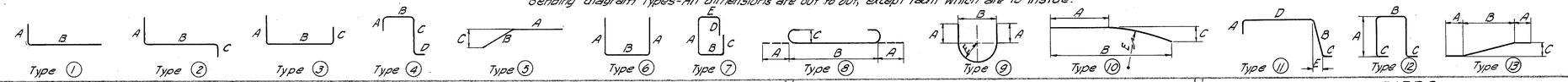
REINFORCING STEEL BAR SCHEDULE

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



ABUTMENT 1

MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
C601	32	6	16'-4"	7	6'-5"	1'-5"	5'-1"	3'-2"	11"	785
C602	5	6	16'-0"	1	11'-3"	4'-11"				120
C603	8	6	15'-4"	1	10'-7"	4'-11"				184
C604	8	6	14'-9"	1	10'-0"	4'-11				177
C605	8	6	14'-1"	1	9'-4"	4'-11"				169
C606	5	6	13'-6"	1	8'-9"	4'-11"				101
C501	20	5	35'-8"	Str.						744
C502	7	5	6'-10"	Str.						50
C503	8	5	7'-5"	Str.						62
C504	8	5	8'-1"	Str.						67
C505	8	5	8'-8"	Str.						72
C506	7	5	9'-4"	Str.						68
C507	30	5	3'-2"	6	7⅝"	2'-2"				99
C508	26	5	7'-6"	8	7"	6'-4"	5½"			203
C509	6	5	6'-5"	Str.						40
C510	9	5	7'-4"	Str.						69
C511	10	5	10'-11"	Str.						114
C512	34	5	3'-1"	Str.						109
C513	4	5	37'-8"	Str.						157
C514	8	5	9'-1"	6	3'-7"	1'-2"				67
C515	10	5	4'-1"	1	3'-7"	7⅝"				43
C516	24	5	6'-1"	6	1'-7"	3'-2"				146
C517	14	5	15'-0"	Str.						219
C518	36	5	8'-5"	Str.						316
C519	16	5	3'-7"	Str.						60
C520	4	5	13'-1"	Str.						55
C521	4	5	7'-3"	Str.						30
C522	4	5	9'-5"	Str.						39
C523	4	5	4'-8"	Str.						19
C524	4	5	4'-2"	Str.						17
C525	4	5	3'-8"	Str.						15
C526	4	5	8'-3"	5	4'-10"	3'-6"	1'-7"			34
C527	12	5	14'-5"	Str.						180
C528	20	5	3'-7"	Str.						75
C529	14	5	12'-6"	Str.						183
C530	4	5	10'-7"	Str.						44
C531	10	5	4'-5"	11	7⅝"	1'-3"	0"	2'-10"	3"	46
C532	10	5	3'-4"	1	7⅝"	2-10"				35
C533	4	5	4'-2"	11	7⅝"	1'-3"	0"	2'-7"	3"	17
C534	4	5	3'-1"	1	7⅝"	2'-7"				13
C535	12	5	2'-10" to 4'-1"	11	7⅝"	1'-3"	0"	1'-3" to 2'-2" *	3"	43
C536	12	5	1'-9" to 3'-0"	1	7⅝"	1'-3" to 2'-2" *				30
C537	2	5	2'-6"	11	7⅝"	1'-3"	0"	11"	3"	5
C538	2	5	1'-5"	1	7⅝"	11"				3
C539	2	5	2'-1"	11	7⅝"	1'-3"	0"	6"	3"	4
C540	2	5	1'-0"	1	7⅝"	6"				2
C541	1	5	13'-1"	Str.						14
C542	1	5	10'-2"	Str.						11
C543	4	5	14'-8"	10	2'-9"	14'-5"	2'-5"		29'-9⅜"	61
C544	1	5	13'-9"	Str.						14
C545	1	5	10'-9"	Str.						11
				* 2 sets of 6 ea. vary by abt. 1⅜"						
C401	26	4	3'-2"	1	6¼"	2'-9"				55
C402	26	4	4'-2"	4	1'-3"	8"	2'-1"	6¼"		72
RC403	8	4	12'-11"	Str. (Included with Railing for Payment)						
										5368

ABUTMENT 2

MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
D601	32	6	21'-0"	7	9'-0"	1'-5"	7'-8"	3'-2"	7"	1009
D602	5	6	12'-4"	1	7'-10"	4'-8"				93
D603	8	6	11'-8"	1	7'-2"	4'-8"				140
D604	8	6	11'-1"	1	6'-7"	4'-8"				133
D605	8	6	10'-5"	1	6'-0"	4'-8"				125
D606	5	6	9'-10"	1	5'-4"	4'-8"				74
D607	46	6	9'-1"	6	4'-1"	1'-2"				628
D608	12	6	4'-9"	1	4'-1"	9⅞"				86
D501	18	5	35'-8"	Str.						670
D502	7	5	3'-4"	Str.						24
D503	8	5	3'-11"	Str.						33
D504	8	5	4'-7"	Str.						38
D505	8	5	5'-2"	Str.						43
D506	7	5	5'-10"	Str.						43
D507	30	5	3'-2"	6	7⅝"	2'-2"				99
D508	21	5	7'-6"	8	7"	6'-4"	5½"			164
D509	6	5	6'-5"	Str.						40
D510	9	5	7'-4"	Str.						69
D511	34	5	3'-4"	Str.						118
D512	4	5	39'-8"	Str.						165
D513	10	5	22'-6"	Str.						235
D514	96	5	8'-7"	6	1'-7"	5'-8"				859
D515	5	5	16'-4"	Str.						85
D516	78	5	9'-4" to 11'-4"	Str.	(2 sets of 39 ea. vary by ± 5/8")					841
D517	6	5	9'-6"	Str.						59
D518	18	5	3'-6"	Str.						66
D519	2	5	4'-2"	Str.						87
D520	2	5	4'-9"	Str.						10
D521	2	5	5'-4"	Str.						11
D522	2	5	17'-9"	Str.						37
D523	2	5	20'-7"	5	16'-9"	3'-11"	1'-10"			43
D524	16	5	21'-0"	Str.						350
D525	22	5	4'-1"	Str.						94
D526	24	5	23'-6"	Str.						388
D527	12	5	14'-4"	Str.						179
D528	26	5	13'-1" to 13'-9"	Str.	(2 sets of 13 ea. vary by ± 5/8")					364
D529	6	5	11'-11"	Str.						75
D530	2	5	4'-0"	Str.						8
D531	2	5	4'-11"	Str.						10
D532	2	5	6'-0"	Str.						13
D533	2	5	16'-10"	5	12'-2"	4'-9"	3'-2"			35
D534	2	5	13'-2"	Str.						27
D535	2	5	14'-5"	Str.						30
D536	8	5	19'-4"	Str.						161
D537	46	5	4'-5"	11	7⅝"	1'-3"	0"	2'-10"	3"	212
D538	46	5	3'-4"	1	7⅝"	2'-10"				160
D539	4	5	4'-2"	11	7⅝"	1'-3"	0"	2'-7"	3"	17
D540	4	5	3'-1"	1	7⅝"	2'-7"				13
D541	12	5	2'-10" to 4'-1"	11	7⅝"	1'-3"	0"	1'-3" to 2'-2" *	3"	43
D542	12	5	1'-9" to 3'-0"	1	7⅝"	1'-3" to 2'-2" *				30
D543	2	5	2'-6"	11	7⅝"	1'-3"	0"	11"	3"	5
D544	2	5	1'-5"	1	7⅝"	11"				3
D545	2	5	2'-1"	11	7⅝"	1'-3"	0"	6"	3"	4
D546	2	5	1'-0"	1	7⅝"	6"				2
D547	2	5	18'-2"	10	7'-8"	17'-10"	2'-5"		29'-9⅜"	38
D548	1	5	14'-6"	Str.						15
D549	1	5	17'-4"	Str.						18
D550	1	5	22'-3"	Str.						23
D551	1	5	19'-1"	Str.						20
D552	2	5	23'-5"	10	11'-10"	23'-2"	2'-5"		29'-9⅜"	49
					* 2 sets of 6 ea. vary by abt. 1⅜"					
D401	64	4	3'-2"	1	6¼"	2'-9"				135
D402	64	4	4'-2"	4	1'-3"	8"	2'-1"	6¼"		178
RD403	8	4	22'-9"	Str. (Included with Railing for Payment)						
RD404	4	4	17'-10"	Str.	"	"	"	"		
										9026

SUPERSTRUCTURE

MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
S701	889	7	36'-1"	13	3'-0"	30'-0"	2'-6"			65,568
S601	889	6	36'-1"	13	3'-0"	30'-0"	2'-6"			48,181
S602	413	6	33'-10"	Str.	(7 Sets of 59)					20,988
S603	590	6	38'-8"	Str.	(10 Sets of 59)					34,266
S604	120	6	36'-0"	Str.						6,489
S501	1169	5	5'-0"	11	7⅝"	1'-3"	7⅝"	2'-10"	3"	4,096
S401	1169	4	4'-2"	4	1'-2"	8"	2'-2"	6¼"		3,254
S402	1169	4	3'-3"	1	6¼"	2'-10"				2,538
RA03	8	4	11'-9"	Str. (Included with Railing for Payment)						
RA04	52	4	14'-5"	Str.	"	"	"	"	"	
RA05	8	4	13'-7"	Str.	"	"	"	"	"	
RA06	76	4	16'-11"	Str.	"	"	"	"	"	
RA07	8	4	12'-1"	Str.	"	"	"	"	"	
RA08	52	4	15'-1"	Str.	"	"	"	"	"	
RA09	8	4	14'-0"	Str.	"	"	"	"	"	
RA10	76	4	17'-7"	Str. (Included with Railing for Payment)						
										187,380

PIERS

MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT
P1001	15	10	17'-1"	Str.						1,103
P1002	13	10	17'-9"	Str.						993
P1003	15	10	17'-10"	Str.						1,151
P1004	13	10	18'-6"	Str.						1,035
P1005	15	10	19'-1"	Str.						1,232
P1006	13	10	19'-9"	Str.						1,105
P1007	15	10	17'-10"	Str.						1,151
P1008	13	10	18'-7"	Str.						1,040
P1009	15	10	17'-0"	Str.						1,097
P1010	13	10	17'-8"	Str.						988
P1011	112	10	7'-2"	1	1'-4⅜"	6'-1"				3,454
P1012	28	10	7'-8"	1	1'-4⅜"	6'-7"				924
P1013	36	10	15'-6"	8	1'-5"	12'-8"	1'-0½"			2,401
P801	50	8	10'-10"	8	1'-1"	8'-8"	9"			1,446
P802	68	8	11'-10"	8	1'-1"	9'-8"	9"			2,148
P803	49	8	19'-10"	8	1'-1"	17'-8"	9"			2,595
P501	103	5	7'-0"	9	1'-7"	2'-4½"			1'-1⅝"	752
P502	98	5	10'-0"	Str.						1,022
P503	10	5	8'-0"	Str.						83
P504	10	5	4'-10"	Str.						50
P505	10	5	6'-1"	Str.						63
P506	50	5	3'-8"	6	7⅛"	2'-8"			6	191
P507	10	5	3'-4"	6	7⅛"	2'-4"				35
										26,059

REPLACEMENT BARS

MARK	NO.	SIZE	LENGTH	TYPE	WEIGHT
RE 1001	1	10	7'-2"	Str.	
RE 801	1	8	6'-6"	Str.	
RE 701	4	7	6'-3"	Str.	
RE 601	6	6	5'-11"	Str.	
RE 501	11	5	5'-7"	Str.	
RE 401	1	4	5'-3"	Str.	

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.

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 number 4 size bar and A1114 is a number 11 size bar.

ESTIMATED QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR.	ABUTS.	PIERS	GENERAL
E-2	428	Cu.Yd.	Unclassified Excavation		428		
E-2	260	Cu.Yd.	Shale Excavation		11	249	
S-1	832	Cu.Yd.	Class "C" concrete, Superstructure	832			
S-1	126	Cu.Yd.	Class "C" concrete, Pier above Footing			126	
S-1	214	Cu.Yd.	Class "E" concrete, Abutment above Footing		214		
S-1	169	Cu.Yd.	Class "E" concrete, Footing		62	107	
S-4	227,833	Lbs.	Reinforcing Steel	187,380	14,394	26,059	
S-7	881,100	Lbs.	Structural Steel	881,100			
S-8	881,100	Lbs.	Field Painting of Structural Steel, as per plan.	881,100			
S-14	1,257	L.F.	Railing (Aluminum Rail & Supports concrete parapet)				1257
S-29	30	Cu.Yd.	Porous Backfill		30		
I-10	1,100	Sq.Yd.	Crushed Aggregate Slope Protection				1,100
I-127	16	Ea.	Delineators, Bracket Mounted, Type B-1				16

UNCLASSIFIED
SEP 6 1955

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1103 (18)	

421
458

CUYAHOGA & LAKE COUNTIES
LAK-I-0.00
CUY-I-15.91

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

REINFORCING STEEL LIST AND ESTIMATED QUANTITIES

BRIDGE NO. LAK-I-0150
UNDER EUCLID SPUR (RAMP "B")
LAKE COUNTY STA. 77+79.00

Designed	Drawn	Traced	Checked	Reviewed-Date	Revised
G.S.W.	M.S.	M.S.	Y.G.	H.G.H. 12-30-58	4-19-60

58-B-132

K+E 129 IMPERIAL TRACING CLOTH 12 x 18 60449