CALC. BY ____ DATE ____ CHKD. BY ____ DATE ____	LAK – 306 – 6.82	OHIO FHWA REGION 5	91/92

REINFORCING STEEL BAR SCHEDULE

REAR ABUTMENT – PHASE I

MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
RA501			13	8'–0"	6	5'–1"	1'–7"	1'–7"			108
RA502			13	11'–11"	10	2'–7"	3'–2"				162
RA503			10	7'–5"	5	6'–8"	10"				77
RA505			4	16'–7"	STR.						69
RA507			6	10'–9"	STR.						67
RA601			13	14'–3"	6	5'–1"	2'–10"	6'–8"			278
RA602			3	17'–10"	6	6"	8'–10"	8'–10"			80
RA603			4	18'–6"	6	1'–2"	8'–10"	8'–10"			111
RA604			1	14'–10"	6	1'–2"	7'–0"	7'–0"			22
RA605			9	5'–5"	STR.						73
RA801			4	5'–7"	STR.						60
RA802			8	15'–6"	STR.						331
RA803			6	12'–9"	STR.						204
RA804			2	4'–0"	STR.						21
						TOTAL WEIGHT = 1,663 LBS.					
ERA501			9	30'–0"	STR.						282
ERA502			4	5'–3"	STR.						22
ERA503			12	6'–9"	STR.						85
ERA504			1	10'–11"	6	1'–2"	5'–0"	5'–0"			11
ERA506			4	7'–5"	6	1'–2"	3'–3"	3'–3"			31
ERA507			2	11'–2"	STR.						23
ERA508			2	12'–9"	STR.						27
ERA509			4	17'–10"	STR.						74
ERA510			5	14'–11"	STR.						78
ERA511			11	6'–3"	10	1'–6"	1'–5"				72
ERA512			11	7'–8"	11	3'–2"	8"	3'–2"			88
ERA513			9	35'–7"	STR.						334
ERA514			13	6'–2"	6	3'–5"	1'–6"	1'–6"			84
ERA515			5	16'–7"	STR.						86
ERA516			11	5'–11"	6	4'–4"	11"	11"			68
ERA517			2	4'–0"	9	2'–0"	2'–0"				8
ERA601			45	9'–0"	6	11"	6'–5"	2'–0"			608
ERA602			45	6'–0"	5	5'–2"	12"				406
ERA603			15	10'–5"	6	1'–5"	4'–8"	4'–8"			235
ERA604			7	9'–1"	6	1'–5"	4'–0"	4'–0"			95
ERA605			7	6'–1"	6	11"	2'–9"	2'–9"			64
ERA606			8	13'–3"	6	1'–5"	6'–1"	6'–1"			159
ERD801			24	4'–11"	8	12"	2'–7"				315
						TOTAL WEIGHT = 3,255 LBS.					

FORWARD ABUTMENT – PHASE I

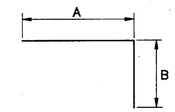
MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
FA501			14	8'–0"	6	5'–1"	1'–7"	1'–7"			117
FA502			19	11'–11"	10	2'–7"	3'–2"				236
FA503			14	6'–3"	5	5'–6"	10"				91
FA505			4	17'–9"	STR.						74
FA507			4	17'–8"	STR.						74
FA601			14	13'–1"	6	5'–1"	2'–10"	5'–6"			275
FA602			2	15'–2"	6	6"	7'–6"	7'–6"			46
FA603			10	15'–10"	6	1'–2"	7'–6"	7'–6"			238
FA604			1	12'–2"	6	1'–2"	5'–8"	5'–8"			18
FA605			9	4'–7"	STR.						62
FA801			4	5'–7"	STR.						60
FA802			8	17'–0"	STR.						363
FA803			6	20'–0"	STR.						320
FA804			2	4'–0"	STR.						21
						TOTAL WEIGHT = 1,995 LBS.					
EFA501			9	30'–0"	STR.						282
EFA502			4	5'–1"	STR.						21
EFA503			22	6'–8"	STR.						153
EFA504			1	9'–11"	6	1'–2"	4'–6"	4'–6"			10
EFA506			4	6'–11"	6	1'–2"	3'–0"	3'–0"			29
EFA507			2	18'–0"	STR.						38
EFA508			2	19'–6"	STR.						41
EFA509			4	24'–8"	STR.						103
EFA510			5	22'–6"	STR.						117
EFA511			16	6'–3"	10	1'–6"	1'–5"				104
EFA512			16	7'–8"	11	3'–2"	8"	3'–2"			128
EFA513			9	35'–7"	STR.						334
EFA514			11	6'–2"	6	3'–5"	1'–6"	1'–6"			71
EFA515			5	17'–9"	STR.						93
EFA516			2	5'–11"	6	4'–4"	11"	11"			12
EFA517			7	4'–0"	9	2'–0"	2'–0"				29
EFA601			41	9'–0"	6	11"	6'–5"	2'–0"			554
EFA602			41	6'–0"	5	5'–2"	12"				369
EFA603			19	10'–5"	6	1'–5"	4'–8"	4'–8"			297
EFA604			12	8'–9"	6	1'–5"	3'–10"	3'–10"			158
EFA605			12	6'–1"	6	11"	2'–9"	2'–9"			110
EFA606			7	12'–11"	6	1'–5"	5'–11"	5'–11"			136
EFD801			24	4'–11"	8	12"	2'–7"				315
						TOTAL WEIGHT = 3,504 LBS.					

REAR ABUTMENT – PHASE II

MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
ERA521			9	30'–0"	STR.						282
ERA522			9	22'–0"	STR.						207
ERA531			16	6'–3"	10	1'–6"	1'–5"				104
ERA532			16	7'–8"	11	3'–2"	8"	3'–2"			128
ERA533			5	22'–7"	STR.						118
ERA621			44	9'–0"	6	11"	6'–5"	2'–0"			595
ERA622			44	6'–0"	5	5'–2"	12"				397
ERA626			5	13'–3"	6	1'–5"	6'–1"	6'–1"			100
ERA627			21	3'–2"	STR.						100
ERA628			3	3'–0"	STR.						14
ERA629			2	5'–4"	STR.						16
ERD821			21	4'–11"	8	12"	2'–7"				276
						TOTAL WEIGHT = 2,337 LBS.					

FORWARD ABUTMENT – PHASE II

MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
EFA521			9	30'–0"	STR.						282
EFA522			9	22'–0"	STR.						207
EFA531			11	6'–3"	10	1'–6"	1'–5"				72
EFA532			11	7'–8"	11	3'–2"	8"	3'–2"			88
EFA533			5	14'–11"	STR.						78
EFA621			43	9'–0"	6	11"	6'–5"	2'–0"			581
EFA622			43	6'–0"	5	5'–2"	12"				388
EFA626			6	13'–3"	6	1'–5"	6'–1"	6'–1"			119
EFA627			10	2'–8"	STR.						40
EFA628			3	3'–11"	STR.						18
EFA629			3	5'–10"	STR.						26
EFD821			21	4'–11"	8	12"	2'–7"				276
						TOTAL WEIGHT = 2,175 LBS.					



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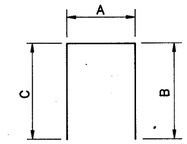
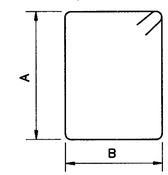


TYPE 6



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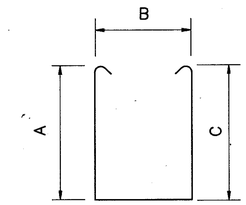

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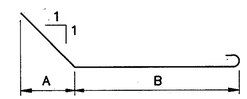

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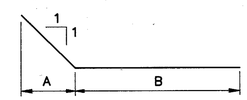

Notes:

1) All Dimensions Are Out To Out of Bars.

2) All Reinforcing Bars Shall be Epoxy Coated.

CT Consultants, Inc.
Engineers • Architects • Planners
Willoughby • Mentor • Columbus • North Canton • Youngstown

28/29

REINFORCING SCHEDULE
BRIDGE No. LAK–306–0691
OVER STATE ROUTE 2
LAKE COUNTY

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
J.P.R.	M.T.W.	M.T.W.	J.E.A.	BJA	8/31/90	