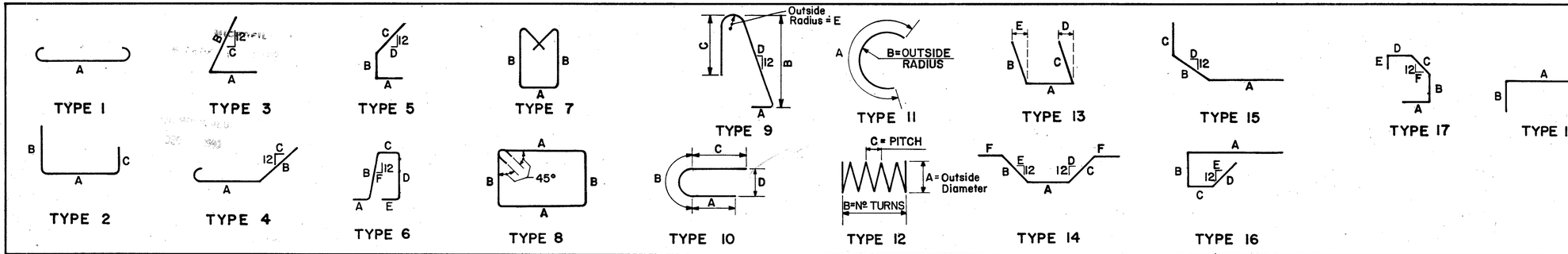

FED. RD. DIVISION	STATE	PROJECT	

LAKE COUNTY
LAK-20-19.39

32/32

DECK SLAB

MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	SERIES INCR.	WEIGHT (LBS)
EPOXY COATED											
ES501	365	35'-11"	STR.								13,673
ES502	385	27'-5"	STR.								11,009
ES503	2 SER. OF 30	20'-9" TO 12'-1"	STR.							3½" ±	1027
ES504	1 SER. OF 56	35'-9" TO 12'-6"	STR.							5⅛" ±	1409
⊕ ES505	1 SER. OF 63	27'-0" TO 0'-9"	STR.							5⅛" ±	912
ES506	1 SER. OF 36	27'-4" TO 12'-6"	STR.							5⅛" ±	748
⊕ ES507	1 SER. OF 83	35'-7" TO 0'-10"	STR.							5⅛" ±	1576
ES508	568	30'-0"	STR.								17,773
ES509	71	35'-2"	STR.								2604
ES510	227	2'-10"	2	1'-5"	0'-10"	0'-10"					671
ES511	213	5'-8"	STR.								1259
ES512	2 SER. OF 7	9'-10" TO 5'-8"	STR.							8⅜" ±	113
ES513	227	2'-7"	2	1'-2"	0'-10"	0'-10"					612
ES514	NOT USED										
ES515	80	30'-0"	STR.								2503
ES516	10	35'-2"	STR.								367
ES517	64	30'-0"	STR.								2003
ES518	8	35'-2"	STR.								293
ES519	242	6'-3"	7	0'-8"	2'-5"						*
ES520	96	6'-11"	STR.								*
ES521	80	14'-2"	STR.								*
ES522	16	14'-9"	STR.								*
ES523	242	4'-4"	2	0'-8"	2'-5"	1'-6"					*
⊕ ES524	227	2'-2"	2	0'-7"	1'-0"	0'-10"					513
ES525	242	4'-3"	19	2'-5"	2'-0"						1073
ES526	242	3'-11"	19	2'-11"	1'-2"						989
⊕ ES527	454	1'-2"	19	0'-6"	0'-10"						552
⊕ ES528	454	1'-4"	19	0'-8"	0'-10"						631
ES529	2 SER. OF 7	8'-10" TO 4'-8"	STR.							8⅜" ±	99
⊕ ES530	213	4'-8"	STR.								1037
⊕ ES601	365	35'-11"	STR.								19,691
⊕ ES602	385	27'-5"	STR.								15,854
ES603	2 SER. OF 30	20'-9" TO 12'-1"	STR.							3½" ±	1479
ES604	1 SER. OF 56	35'-9" TO 12'-6"	STR.							5⅛" ±	2029
⊕ ES605	1 SER. OF 63	27'-0" TO 0'-9"	STR.							5⅛" ±	1313
ES606	1 SER. OF 36	27'-4" TO 12'-6"	STR.							5⅛" ±	1077
⊕ ES607	1 SER. OF 83	35'-7" TO 0'-10"	STR.							5⅛" ±	2270
ES608	190	43'-0"	STR.								12,271
										TOTAL	134,721

⊕ BARS REQUIRING MECHANICAL CONNECTORS FOR SPLICING.

* INCLUDED WITH ITEM 517 "RAILING (CONCRETE PARAPET WITH BRIDGE SIDEWALK RAILING, AS PER PLAN)" FOR PAYMENT.

FORWARD ABUTMENT AND FORWARD ABUTMENT WINGWALLS

MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	SERIES INCR.	WEIGHT (LBS)
FA501	30	5'-7"	15	4'-10"	0'-10"						175
FA502	15	12'-1"	STR.								189
FA503	16	6'-2"	STR.								103
FA504	8	4'-0"	STR.								33
FA505	28	6'-9"	2	3'-5"	2'-0"	1'-7"					197
FA506	10	6'-9"	2	3'-5"	2'-0"	1'-7"					70
FA507	12	13'-5"	STR.								168
FA508	5	15'-3"	STR.								80
FA509	12	15'-10"	STR.								198
FA510	6	12'-6"	STR.								78
FA511	1 SER. OF 5	15'-10" TO 13'-5"	STR.							7¼"	76
FA512	1 SER. OF 5	15'-3" TO 12'-6"	STR.							8¼"	72
FA513	5	16'-2"	STR.								84
FA514	5	12'-6"	STR.								65
FA515	5	18'-6"	STR.								96
FA516	5	11'-9"	STR.								61
FA517	1	18'-6"	STR.								19
FA518	1	8'-0"	STR.								8
FA519	1	9'-0"	STR.								9
FA520	3	30'-0"	STR.								94
FA521 ⊕3		23'-2"	STR.								72
FA522 ⊕3		15'-0"	STR.								47
FA523	3	21'-6"	STR.								67
FAG01	29	6'-1"	13	1'-7"	4'-6"	0	—	3'-2"			265
FAG02	28	12'-1"	2	1'-5"	5'-6"	5'-6"					508
FAG03	28	9'-1"	2	1'-5"	4'-0"	4'-0"					382
FAG04	12	5'-9"	2	0'-11"	2'-7"	2'-7"					104
FAG05	39	4'-3"	2	1'-1"	1'-9"	1'-9"					249
FAG06	78	6'-4"	8	0'-11	1'-11"						742
FAG07	7	3'-7"	2	0'-9"	1'-7"	1'-7"					38
FAG08 TO FAG17	NOT USED										—
FAG18	15	6'-11"	STR.								156
FAG 19	13	8'-3"	1	6'-11"							161
FAG20	8	14'-3"	STR.								171
FAG21	6	14'-3"	STR.								128
FAG 22	11	15'-6"	STR.								256
FAG23	8	15'-6"	STR.								186
FAG24	16	10'-8"	STR.								256
FAG25	14	12'-0"	1	10'-8"							252
FAG26	2	6'-0"	13	3'-0"	3'-0"	0	—	2'-5"			18
FA801	58	7'-11"	19	6'-8"	1'-5"						1226
FA802	31	12'-1"	STR.								1000
FA803	27	6'-2"	STR.								445
DA801	61	5'-1"	4	2'-7"	1'-5"	12					828
FW501	80	5'-8"	19	4'-11"	0'-10"						473
FW502	17	14'-5"	STR.								256
FW503	2	12'-1"	STR.								25
FW504	2	17'-7"	STR.								37
FW505	4	6'-4"	STR.								26
FW506	16	15'-7"	STR.								260
FW507	10	4'-0"	STR.								42
FW508	34	6'-2"	STR.								219
FW509	18	6'-0"	13	2'-0"	4'-0"	0	—	3'-3"			113
FW510	13	4'-0"	13	2'-0"	2'-0"	0	—	1'-7"			54
FW511	56	13'-8"	STR.								798
FW512	32	15'-8"	STR.								523
FW513	52	8'-3"	STR.								447

MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	SERIES INCR.	WEIGHT (LBS)
FW514	10	25'-2"	STR.								264
FW515	10	32'-8"	STR.								341
FW516	2 SER. OF 4	10'-0" TO 4'-0"	STR.							2'-0"	58
FW517	2 SER. OF 7	6'-7" TO 3'-7"	STR.							0'-6"	74
FW518	2	10'-0"	STR.								21
FW519	NOT USED										—
FW520	2 SER. OF 3	5'-8" TO 4'-7"	STR.							0'-4⅜"	32
FW521	12	12'-9"	STR.								160
FW522	4	6'-2"	STR.								26
FW523	4	6'-4"	STR.								26
FW524	14	14'-8"	STR.								214
FW525	7	3'-7"	5	1'-0"	0'-8"	2'-0"	16½				26
FW526	2	11'-3"	STR.								23
FW527	2	13'-3"	STR.								28
FW528	12	18'-3"	STR.								228
FW529	10	4'-1"	STR.								43
FW530	80	3'-11"	7	0'-8"	2'-6"						*
FW531	12	4'-11"	7	0'-8"	3'-6"						*
FW532	12	5'-0"	10	2'-1"	0'-10¼"	2'-1"	0'-6½"				*
FW533	4	15'-7"	STR.								*
FW534	4	15'-8"	STR.								*
FW535	8	9'-0"	STR.								*
FW536	4	14'-0"	STR.								*
FW537	4	4'-5"	STR.								*
FW538	4	4'-8"	STR.								*
FW539	4	18'-3"	STR.								*
FW601	26	7'-0"	1	5'-8"							273
FW602	10	26'-2"	STR.								393
FW603	27	5'-8"	STR.								230
FW604	26	5'-7"	3	1'-0"	4'-9"	¾"					218
FW605	NOT USED										—
FW606	20	9'-8"	2	5'-0"	2'-6"	2'-6"					290
FW607	4	8'-11"	2	4'-3"	2'-6"	2'-6"					54
FW608	4	17'-3"	STR.								104
FW609	6	12'-3"	8	3'-2"	2'-7"						110
FW610	NOT USED										—
FW611	30	6'-6"	3	1'-0"	5'-8"	¾"					293
FW612	23	13'-0"	STR.								449
FW613	7	6'-2"	STR.								65
FW701	9	10'-4"	1	8'-8"							190
FW702	23	8'-8"	STR.								407
FW703	9	12'-4"	1	10'-8"							227
FW704	13	10'-8"	STR.								283
FW801	74	7'-10"	3	6'-7"	1'-5"	¾					1548
FW802	24	8'-4"	19	7'-1"	1'-5"						534
FW803	18	6'-3"	15	1'-3"	5'-0"	0	12				300
FW804	12	9'-1"	19	7'-10"	1'-5"						291
FW805	NOT USED										—
FW806	20	15'-10"	1	13'-8"							846
FW807	43	13'-8"	STR.								1569
FW808	27	21'-2"	STR.								1526
FW809	NOT USED										—
FW810	NOT USED										—
FW811	34	14'-8"	STR.								1331
FW812	3	12'-4"	STR.								99
FW813	16	17'-2"	STR.								733
FW814	4	7'-10"	1								84

SUB TOTAL - FORWARD ABUT. & WINGWALLS 26,714

NOTES;

BAR SIZE; The 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: A506 is a No. 5 size bar and P1101 is a No. 11 size bar.

SPIRAL REINFORCING BARS; The "Length" shown in the steel list for the spiral bars is the distance from the top of the footing to the bottom of the pier cap. The "No. of Turns" shown is the "Length" divided by the pitch, plus 3 turns (total number of closed coils), expressed as the nearest whole number. Spiral reinforcing bars shall may have deformation and shall in other respects conform to Item 509. 1½ closed coils shall be provided at the ends of each spiral unit. Four steel channel, tee or angle spacers, weighing approximately 0.80 lb. per lin. ft. of spacers, shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.80 lb. per lin. ft., will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.

REINFORCING STEEL SAMPLES; Refer to CMS Sections 106.03, 700, 709.01 through 709.05 and 709.08. Sufficient additional reinforcing steel shall be provided for sampling. Random samples shall be replaced in the structures by the additional steel, spliced in accordance with 509.08

All bar dimensions are given out-to-out.

All bars of a given series vary by a constant increment.

The clear distance between reinforcing steel and face of concrete shall be as given in item 509.04 of the construction and materials specifications unless noted otherwise on these plans.

BAR MARKS: Bars with a prefix E in the bar mark shall be epoxy coated.

POLYTECH, INC. 18/18
CONSULTING ENGINEERS CLEVELAND, OHIO

REINFORCEMENT SCHEDULE

BRIDGE NO. LAK-20-1939
OVER S.R.2. (EAST BOUND)

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWD	DATE	REVISED
CT	MAC	—	GA	BS	4/88	

6.39 Pier-20-P1.dgn