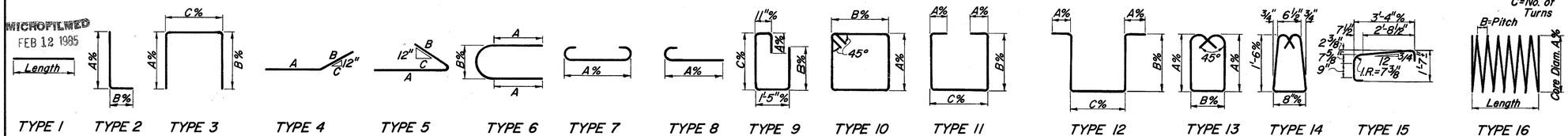
MICROFILMED
FEB 12 1985



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6 TYPE 7 TYPE 8 TYPE 9 TYPE 10 TYPE 11 TYPE 12 TYPE 13 TYPE 14 TYPE 15 TYPE 16 TYPE 17

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	TYPE FUNDS
2	OHIO		

153
181

LAKE COUNTY
LAK-615-3.26

S.E. WINGWALL

MARK	NUMBER	LENGTH	TYPE	A	B	C	WEIGHT
W1101	16	7'-6"	Spec.				638
W1102	2	12'-0"	1				128
W1103	2	17'-6"	1				186
W1104	2	20'-0"	1				213
W1105	2	13'-0"	1				138
W1106	2	16'-0"	1				170
W1107	2	6'-9"	1				72
W1108	6	8'-6"	Spec.				271
W1109	2	8'-6"	1				90
W1110	2	11'-0"	1				117
Series W801	1 set 5 bars	16'-8" 18'-4"	8	15'-7" 15'-3"			220
		℄ 1" Incr.					
Series W802	1 set 5 bars	16'-2" 15'-10"	8	15'-1" 14'-9"			214
		℄ 1" Incr.					
Series W803	1 set 5 bars	15'-6" 15'-2"	8	14'-5" 14'-1"			205
		℄ 1" Incr.					
Series W804	1 set 5 bars	14'-10" 14'-6"	8	13'-9" 13'-5"			196
		℄ 1" Incr.					
Series W805	1 set 5 bars	14'-2" 13'-10"	8	13'-1" 12'-9"			187
		℄ 1" Incr.					
Series W806	1 set 5 bars	13'-4" 12'-8"	8	12'-3" 11'-7"			174
		℄ 2" Incr.					
Series W807	1 set 5 bars	12'-2" 11'-6"	8	11'-1" 10'-5"			158
		℄ 2" Incr.					
Series W808	1 set 5 bars	11'-0" 10'-4"	8	9'-11" 9'-3"			142
		℄ 2" Incr.					
W809	2	9'-8"	8	8'-7"			52
W810	2	17'-2"	8	16'-1"			92
W811	26	11'-4"	3	5'-3"	5'-3"	1'-2"	787
Series W812	2 sets 9 bars	28'-3" 8'-0"	1				679
		℄ 2'-6 3/16"	Incr.				
W813	8	7'-0"	1				150
W814	8	15'-0"	8	13'-11"			320
Series W815	2 sets 7 bars	20'-0" 8'-9 3/16"	1				464
		℄ 2'-6 3/16	Incr.				
Series W816	2 sets 6 bars	15'-9" 3'-1 1/8"	1				302
		℄ 2'-6 3/16"	Incr.				
Series W817	2 sets 4 bars	11'-6" 3'-10 7/16	1				164
		℄ 2'-6 3/16"	Incr.				
W601	41	33'-8"	1				2073
W602	44	32'-8"	1				2159
Series W603	2 sets 21 bars	31'-9" 3'-5"	1				1109
		℄ 1'-5" Incr.					
W604	102	7'-6"	1				1149

MARK	NUMBER	LENGTH	TYPE	A	B	C	WEIGHT
Series W501	1 set 17 bars	12'-2" 8'-10"	1				168
		℄ 4" Incr.					
Series W502	1 set 17 bars	14'-9½" 29'-8¾"	1				395
		℄ 11¼" Incr.					
Series W503	1 set 17 bars	15'-3" 30'-3"	1				403
		℄ 11¼" Incr.					
W504	2	36'-0"	1				75
W505	34	5'-4"	2	4'-10"	7½"		189
Series W506	1 set 21 bars	24'-2" 8'-8"	Spec.				356
		℄ 9½" Incr.					
Series W507	1 set 17 bars	20'-10" 8'-2"	Spec.				257
		℄ 9½" Incr.					
Series W508	1 set 13 bars	17'-6" 8'-0"	Spec.				173
		℄ 9½" Incr.					
Series W509	1 set 10 bars	14'-2" 7'-0½"	Spec.				111
		℄ 9½" Incr.					
W510	18	10'-3"	Spec.				192
W511	18	4'-3"	Spec.				80
W512	7	17'-10"	1				130

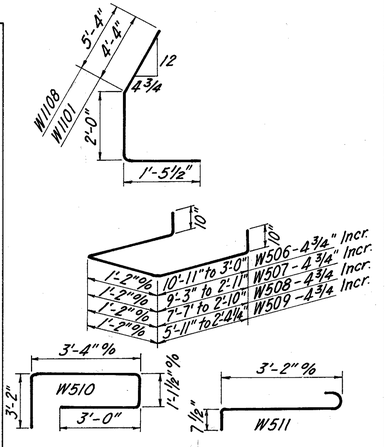
SUPERSTRUCTURE

MARK	NUMBER	LENGTH	TYPE	A	B	C	WEIGHT
S701	1932	30'-0"	1				118,470
S702	1908	35'-10"	1				139,748
Series S703	2 sets 26 bars	29'-0" 4'-0"	1				1,754
		℄ 1'-0" Incr.					
Series S704	2 sets 30 bars	29'-7½" 4'-6⅞"	1				2,095
		℄ 10 3/8" Incr.					
Series S705	2 sets 31 bars	34'-9 3/8" 5'-10 3/8"	1				2,450
		℄ 1'-0 3/8" Incr.					
Series S706	2 sets 37 bars	34'-11 7/8" 5'-10 7/8"	1				2,934
		℄ 10 3/8" Incr.					
S707	16	3'-6"	1				114
S601	2784	30'-0"	1				125,448
S602	16	7'-0"	1				168
S603	16	14'-0"	1				336
Series S604	1 set 34 bars	12'-9" 7'-3"	1				511
		℄ 2" Incr.					
Series S605	1 set 50 bars	13'-1⅛" 8'-0"	1				792
		℄ 1¼" Incr.					
S606	258	30'-0"	1				11,625
S607	86	12'-6"	1				1,615
S608	86	14'-6"	1				1,873
S609	86	16'-6"	1				2,131

S501	1000	2'-6"	3	8½"±	8½"	1'-4½"	2,608
S502	1000	2'-6"	3	8"±	8"	1'-5½"	2,608
S503	1000	7'-6"	3	7½"	7½"	6'-6"	7,823
S504	1200	5'-7"	13	2'-2"	8"		6,988

REPLACEMENT BARS

MARK	NUMBER	LENGTH	TYPE	A	B	C	WEIGHT
RE1100	2	8'-6"					
RE900		7'-10"					
RE800	2	7'-6"					
RE700	15	7'-2"					
RE600	6	6'-11"					
RE500	4	6'-7"					
RE400	1	6'-3"					



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, indicates the bar size number. For example, W 601 is a No. 6 size bar and W 1101 is a No. 11 size bar.

SPIRAL REINFORCING BARS: The "Length" shown in the steel list for the spiral bars is the length of the spiral along the axis of the spiral. The "No. of Turns" shown is the length divided by the pitch plus 3 turns (total number of closed coils).

1½ Closed coils shall be provided at the ends of each spiral unit. Four steel angle spacers, weighing approximately 1.01 lb. per lin. ft. of spacer, 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 1.01 lbs. per lin. ft. will be paid for as reinforcing steel and is included in the tabulated quantities of spiral bars.

BURGESS & NIPLE LIMITED — CONSULTING ENGINEERS
COLUMBUS, OHIO

24 | 24

REINFORCING STEEL LIST
BRIDGE NO. LAK-615-0402
OVER
N&W RAILWAY & P.C RAILROAD
LAKE COUNTY
STA. 47+28.12
54+16.22

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
DW	DW		KEO	WOR 9/14/69	

ALL-STATE BLUEPRINT CO.'S., O. 41018
DEC 11 1970
JUN 26 1970