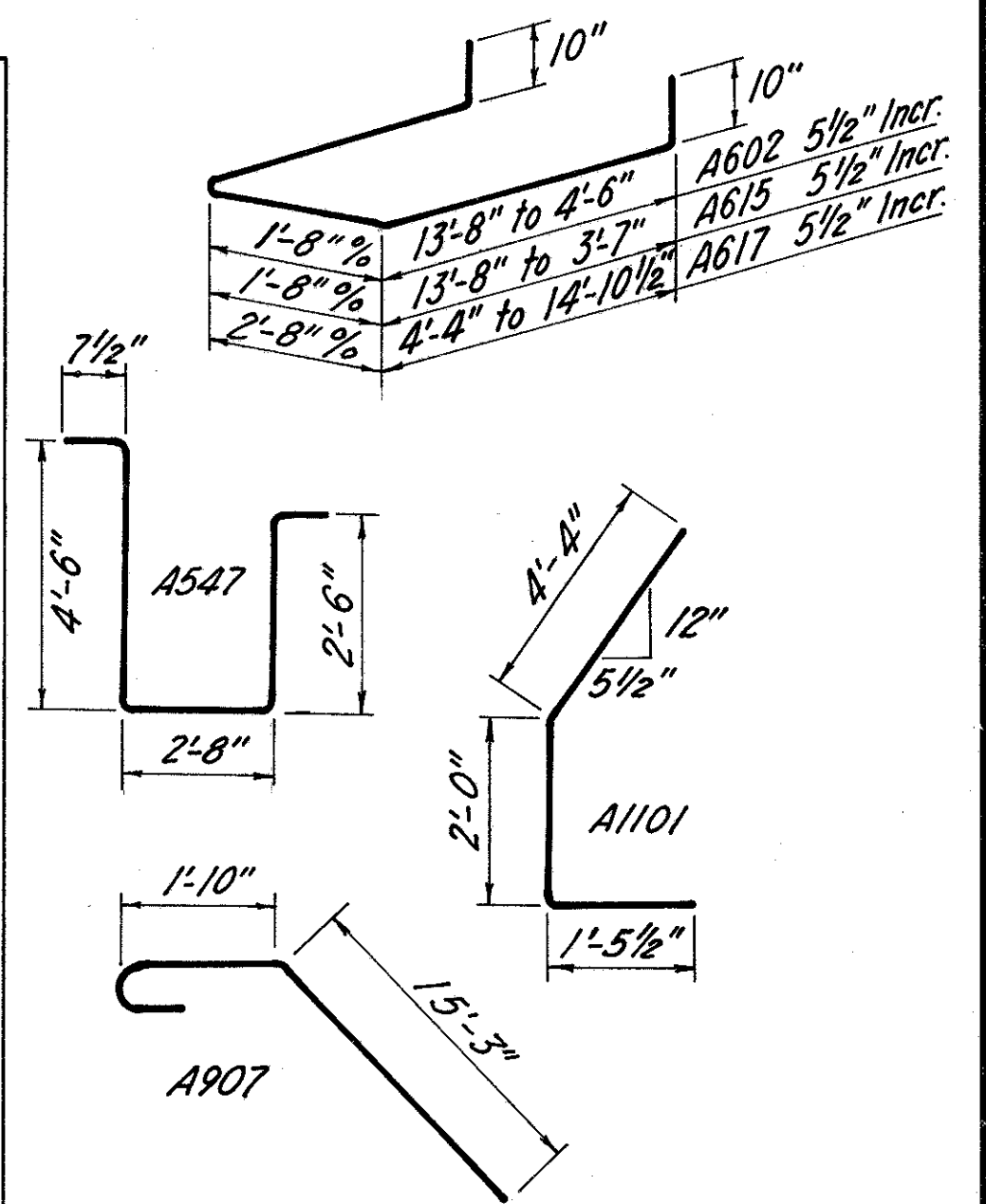


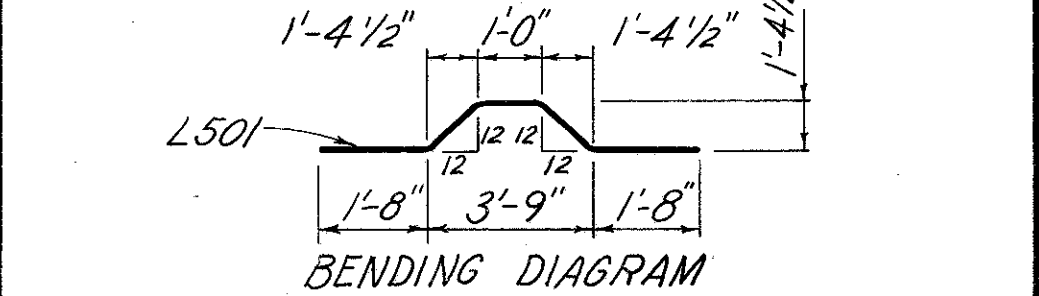
MARK	NUMBER	LENGTH	TYPE	A	B	C	WEIGHT	MARK	NUMBER	LENGTH	TYPE	A	B	C	WEIGHT	MARK	NUMBER	LENGTH	TYPE	A	B	C	WEIGHT
REAR ABUTMENT																							
A1101	73	10'-0"	8	8'-5"			3,878	A601	307	7'-3"	1				3,343	A534	2	32'-0"	1				67
A1102	75	7'-6"	Spec.				2,989	A602 Series	7 sets 21 bars	30'-0" 11'-8"	Spec.				4,600	A535	6	29'-8"	1				186
A1103	16	12'-0"	1				1,020			6'-11" Incr.					A536	4	9'-1"	3	4'-4"	4'-4"	8"	38	
A1104	16	14'-2"	1				1,204	A603	20	31'-10"	1				956	A537	1	24'-4"	1				25
A1105	16	15'-10"	1				1,346	A604	20	30'-0"	1				901	A538	1	24'-10"	1				26
A1106	16	22'-4"	1				1,899	A605 Series	1 set 20 bars	2'-11" 21'-1 1/2"	4	1'-7" 10'-8 1/2"	1'-5" 10'-6 1/4"	9 7/8"	361	A539	3	26'-0"	1				81
A1107	2	11'-0"	1				117			6'-11 1/2" Incr.		5 3/4" Incr.	5 3/4" Incr.		A540	3	26'-6"	1				83	
A1108	5	15'-6"	1				412	A606	19	21'-6"	4	11'-5"	10'-2"	16"	614	A541	Not	Used					
A1109	4	19'-6"	1				414	A607	26	30'-2"	1				1,178	A542	Not	Used					
								A608	26	32'-4"	1				1,263	A543	6	3'-6"	1				22
								A609 Series	1 set 26 bars	12'-1" 19'-10 1/2"	4	5'-8" 9'-6 1/2"	6'-6" 10'-4 1/2"	16"	624	A544	2	8'-3"	1				17
										6'-3 3/4" Incr.		6'-1 7/8" Incr.	6'-1 7/8" Incr.		A545	2	11'-0"	1				23	
								A610	70	12'-8"	4	7'-9"	5'-0"	12"	1,332	A546	2	13'-9"	1				29
								A611	59	11'-4"	3	8'-0"	2'-9"	11"	1,004	A547	3	10'-5"	Spec.				33
								A612	11	11'-10"	3	8'-0"	2'-9"	1'-5"	196	A548	6	7'-3"	1				45
								A613 Series	2 sets 5 bars	5'-6" 10'-4"	1				119	A401	60	28'-11"	1				1,159
										6'-1 1/2" Incr.					A402	Not	Used						
A901	14	18'-10"	8	17'-7"			896	A614 Series	2 sets 5 bars	8'-10" 5'-0"	1				104	A403	Not	Used					
A902	14	20'-0"	8	18'-9"			952			6'-11 1/2" Incr.					A404	6	10'-0"	1					40
A903 Series	1 set 26 bars	2'-10 1/2" 13'-10 1/4"	4	1'-11" 7'-6 7/8"	1'-5" 7'-4 7/8"	9 7/8"	784	A615 Series	1 set 23 bars	30'-0" 9'-10"	Spec.				688	A405	1	8'-0"	1				5
										6'-11" Incr.		10'-3"	12'-3"	16"	774	A406	8	5'-11"	1				32
A904	2	24'-3"	8	23'-0"			185	A616	23	22'-5"	4				825								
A905	2	22'-7"	8	21'-4"			154	A617 Series	1 set 24 bars	12'-4" 33'-5"	Spec.												
A906	4	5'-10"	1				79			6'-11" Incr.													
A907	5	18'-4"	Spec.				312																
RAILING (Two Abutments)																							
A801	88	12'-0"	3	5'-4"	5'-4"	1'-8"	2,820	A501	119	14'-2"	1				1,758	R501	12	3'-3"	6	1'-3"±	0'-6 1/2"		
A802	28	21'-8"	1				1,620	A502	92	5'-4"	2	4'-10"	7 1/2"		512	R502	6	6'-7"	15				
A803 Series	14 sets 9 bars	3'-2" 20'-8"	1				4,009	A503	37	22'-4"	1				862	R503	6	8'-3"	3	3'-2"	0'-8"	4'-8"	
								A504	37	4'-9"	3	7 1/2"	7 1/2"	3'-9"	183	R504	12	7'-7"	13	3'-2"	0'-8"		
A804 Series	2 sets 11 bars	3'-2" 25'-0 1/2"	1				828	A505	76	29'-2"	1				2,312	R505	6	4'-8"	1				
								A506	14	25'-0"	1				365	R506	4	21'-6"	1				
								A507	18	24'-3"	1				455	R507	4	19'-8"	1				
								A508	5	25'-3"	1				132	R508	4	8'-11"	1				
								A509	2	8'-11"	1				19	R509	4	5'-11"	1				
A701 Series	1 set 39 bars	12'-1" 9'-11 1/2"	4	5'-8" 11'-7 1/4"	6'-6" 12'-5 1/4"	16"	1,437	A510	16	17'-8"	4	8'-0"	9'-9"	9 7/8"	295								
								A511	8	10'-8"	1				89								
								A512	8	11'-5"	5	9'-8"	1'-10 1/2"	8"	95								
A702	32	16'-9"	4	7'-4"	9'-6"	9 7/8"	1,096	A513	8	7'-3"	3	6"	6"	6'-6"	60	R510	108	14'-5"	1				
A703	22	12'-2"	3	4'-11"	4'-11"	2'-8"	547	A514	10	7'-9"	3	6"	6"	7'-0"	81	R511	8	12'-0"	1				
A704 Series	2 sets 22 bars	3'-8" 23'-4 1/4"	1				1,215	A515	1	10'-6"	2	8'-0"	2'-7 1/2"	8"	11	R512	144	7'-0"	1				
								A516	10	5'-7"	13	2'-2"	8"		58	R513	104	14'-8"	1				
								A517	1	30'-0"	1				31	R514	8	9'-9"	1				
								A518	1	30'-6"	1				32	R515	144	7'-2"	1				
								A519	1	31'-0"	1				32	L501	20	7'-7"	Spec.				
								A520	5	31'-6"	1				164	L502	20	2'-9"	1				
								A521	4	32'-0"	1				134								
								A522	6	10'-0"	1				63								
								A523	1	8'-0"	1				8								
								A524	2	6'-0"	1				13								
								A525	1	12'-3"	2	11'-9"	7 1/2"		13								
								A526	1	11'-9"	1				12								
								A527	1	9'-6"	2	9'-0"	7 1/2"		10								
								A528	1	9'-6"	1				10								
								A529	17	7'-3"	2	6'-9"	7 1/2"		129								
								A530	9	6'-9"	1				63								
								A531	16	7'-3"	5	6'-9"	7 1/2"	8"	121								
								A532 Series	1 set 3 bars	8'-1" 10'-5"	3	3'-10" 5'-0"	3'-10" 5'-0"	8"	29								
										6'-1 1/2" Incr.		6'-7" Incr.	6'-7" Incr.										
								A533	6	5'-10"	1				37								



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, A601 is a No.6 size bar and A1101 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).

1/2 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 22/24

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	DW	DRAWN	DW	TRACED		CHECKED	KED	REVIEWED DATE	1/14/69	REVISED	
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