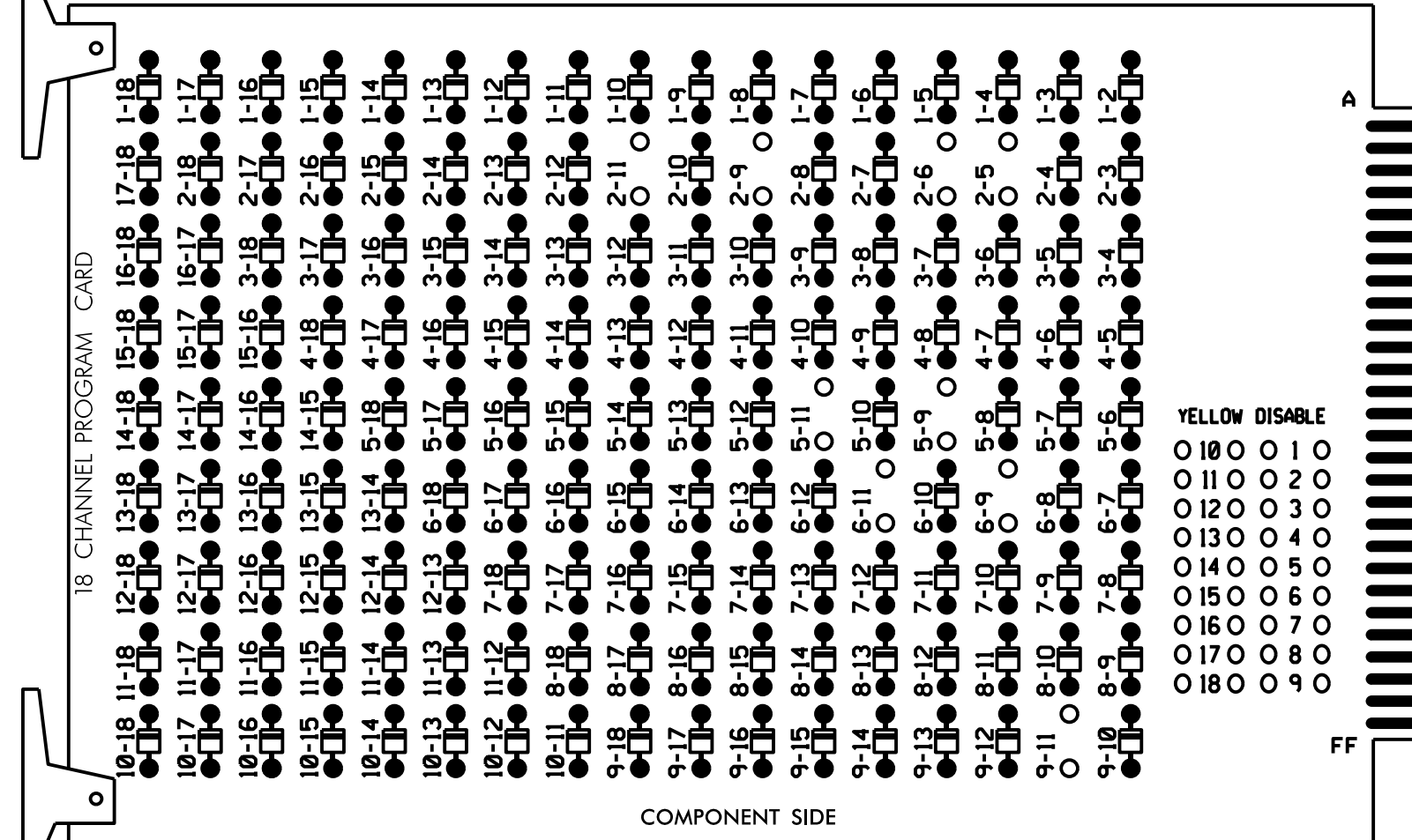


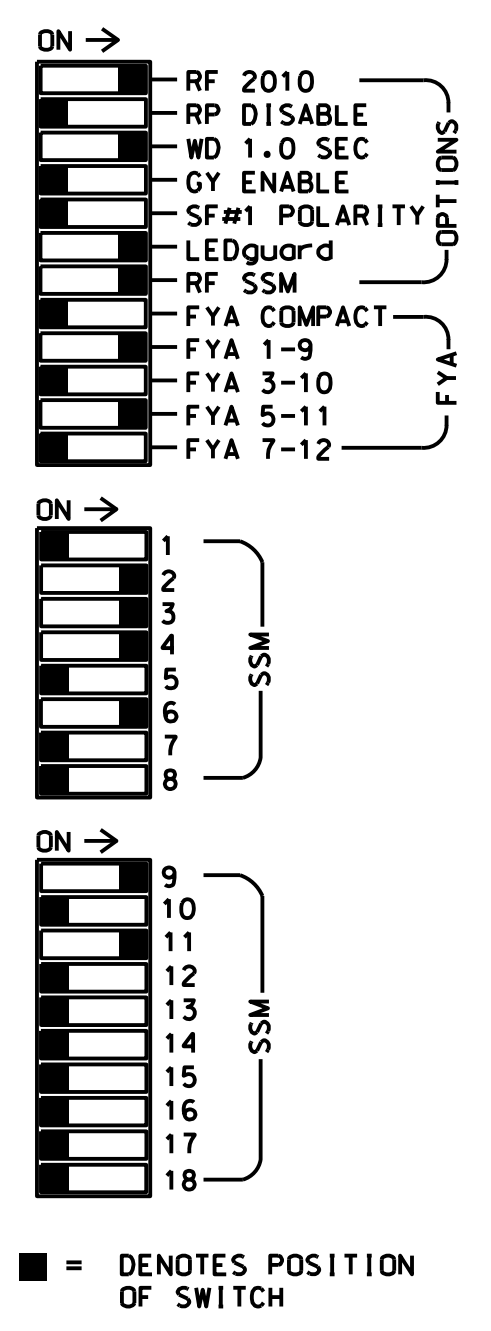
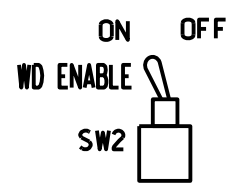
18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-5, 2-6, 2-9, 2-11, 5-9, 5-11, 6-9, 6-11 and 9-11.



REMOVE JUMPERS AS SHOWN

- NOTES:**
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
 - Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
 - Ensure that Red Enable is active at all times during normal operation.



NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Program controller to start up in phase 2 Green No Walk and 6 Green No Walk.

EQUIPMENT INFORMATION

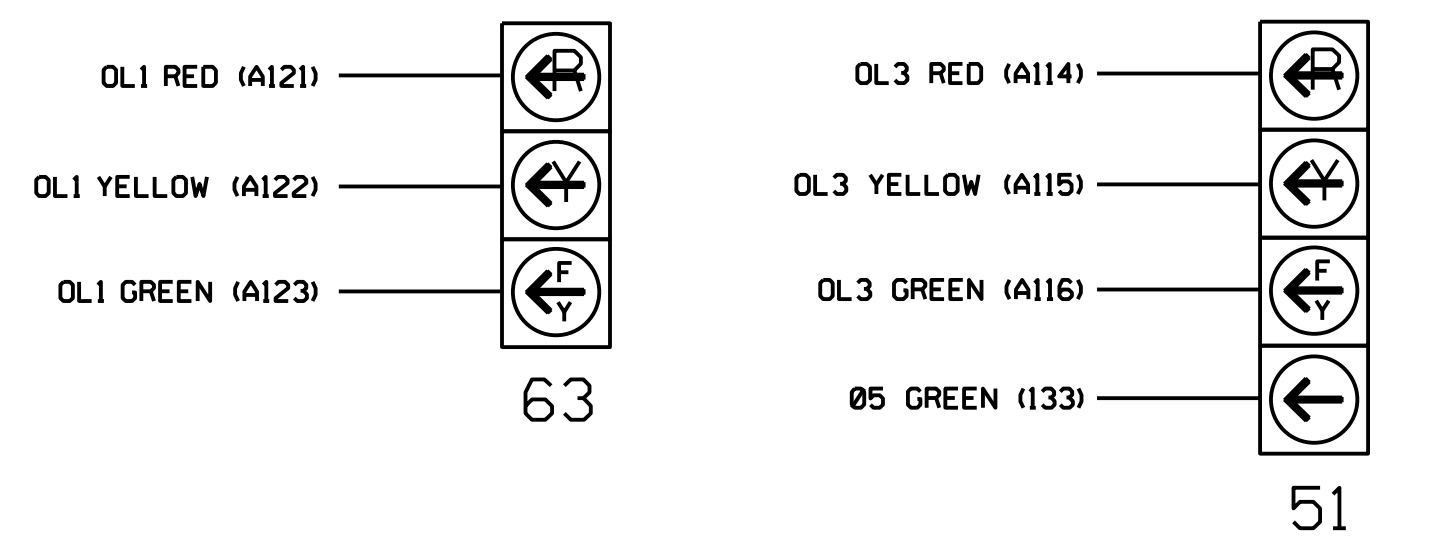
CONTROLLER.....2070LX
 CABINET.....332 W/AUX
 SOFTWARE.....0-FREE MAXTIME
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S4,S5,S7,S8,AUX S1,AUX S4
 PHASES USED.....2,3,4,5,6
 OVERLAP "1".....*
 OVERLAP "2".....NOT USED
 OVERLAP "3".....*
 OVERLAP "4".....NOT USED
 * See overlap programming detail below.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6		
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18		
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE		
SIGNAL HEAD NO.	NU	21,22	NU	31 32,33	22	41 42,43	NU	51*	61,62	NU	NU	NU	63*	NU	NU	51*	NU	NU		
RED		128		116 116	101 101				134											
YELLOW		129		117 117	102 102			*	135											
GREEN		130		118 118	103 103				136											
RED ARROW																		A121	A114	
YELLOW ARROW					102														A122	A115
FLASHING YELLOW ARROW																			A123	A116
GREEN ARROW				118	103 103				133											

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 * See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL
(wire signal heads as shown)



INPUT FILE POSITION LAYOUT
(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14	FS
"I"	U	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	DC ISOLATOR
"J"	L	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	DC ISOLATOR

EX. : 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

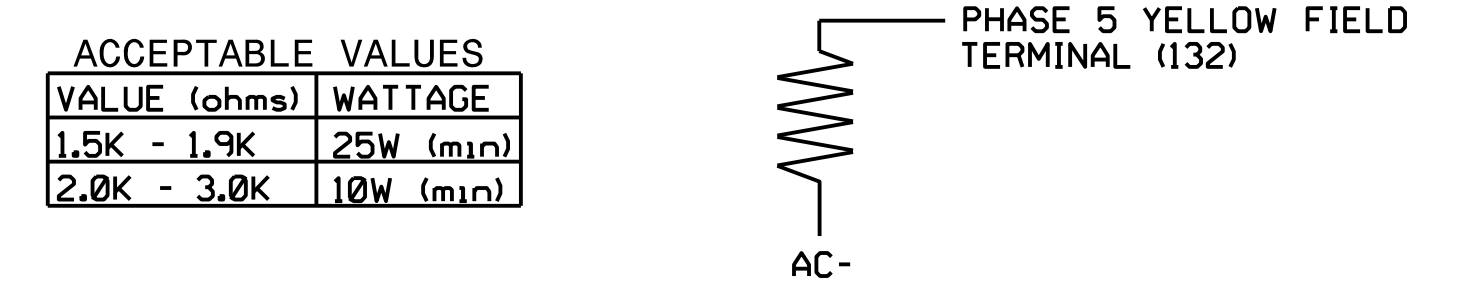
OVERLAP PROGRAMMING

Front Panel
 Main Menu > Controller > Overlap > Overlap Parameters/Overlap Timings

Web Interface
 Home > Controller > Overlap Configuration > Overlaps
 Overlap Plan 1

Overlap	1	3
Type	FYA 4 - Section	FYA 4 - Section
Included Phases	2	6
Modifier Phases	-	5
Modifier Overlaps	-	-
Trail Green	0	0
Trail Yellow	0.0	0.0
Trail Red	0.0	0.0

LOAD RESISTOR INSTALLATION DETAIL
(install resistor as shown below)



SPECIAL DETECTOR NOTE

Install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection scheme shown on the Signal Design Plans.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-0589T1
 DESIGNED: August 2023
 SEALED: 9/7/2023
 REVISED: N/A

Electrical Detail - Temporary Design 1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

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Prepared For:
 City of Greensboro
 Department of Public Works
 Signal Management Section
 750 N. Greenfield Pkwy, Corner, NC 27529

803 N. Greenfield Pkwy, Corner, NC 27529

NC 66 (Old Hollow Road) at SR 2004 (Main Street) / Centre Stage Shopping Center
 Division 9 Forsyth County Walkertown

PLAN DATE: August 2023 REVIEWED BY: E. Sirgany
 PREPARED BY: J. Smith REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 018174
 EDWARD W. SIRGANY

DocuSigned by:
 Edward W. Sirgany 9/7/2023
 SIG. INVENTORY NO. 09-0589T1