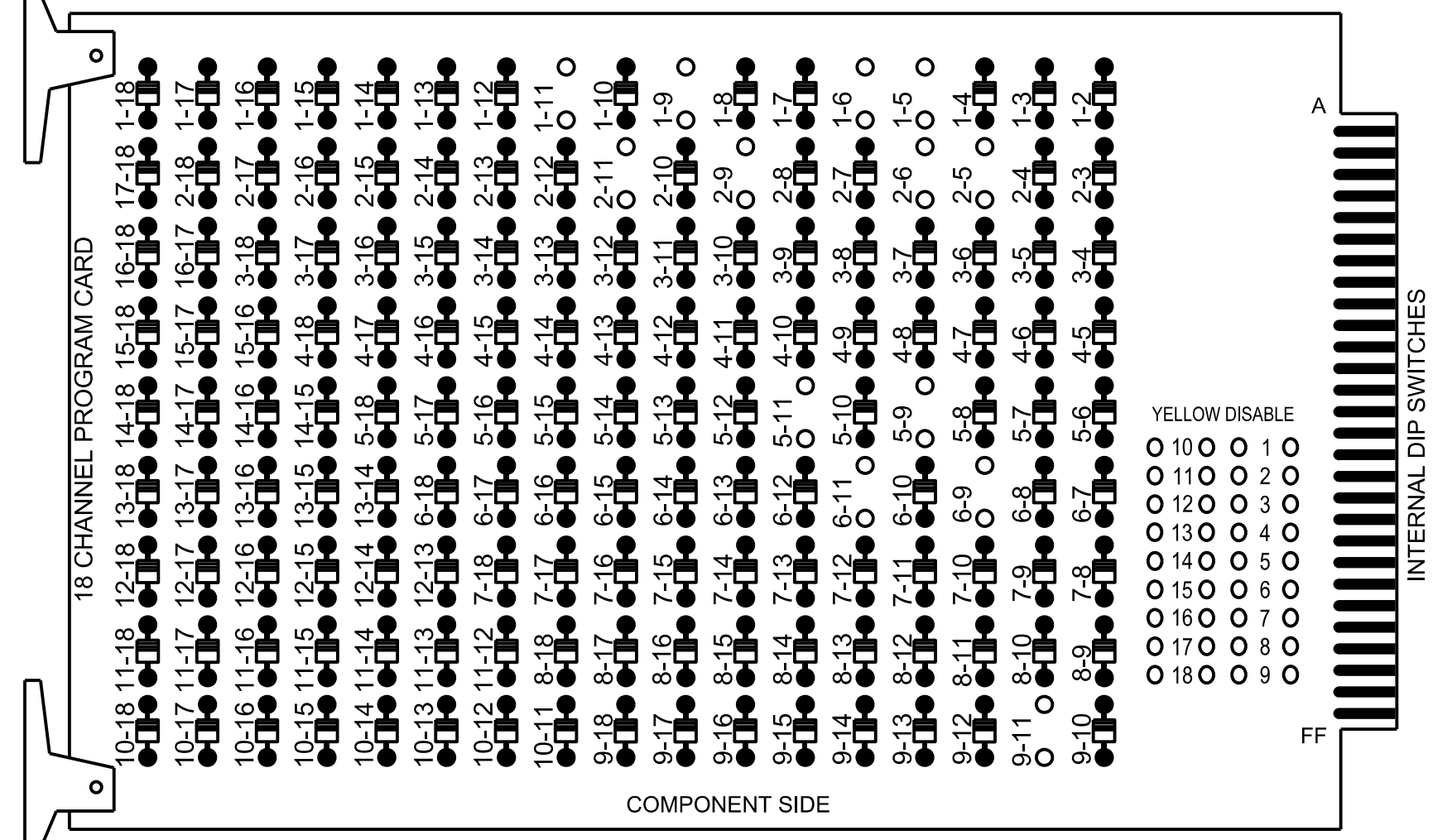


### 18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

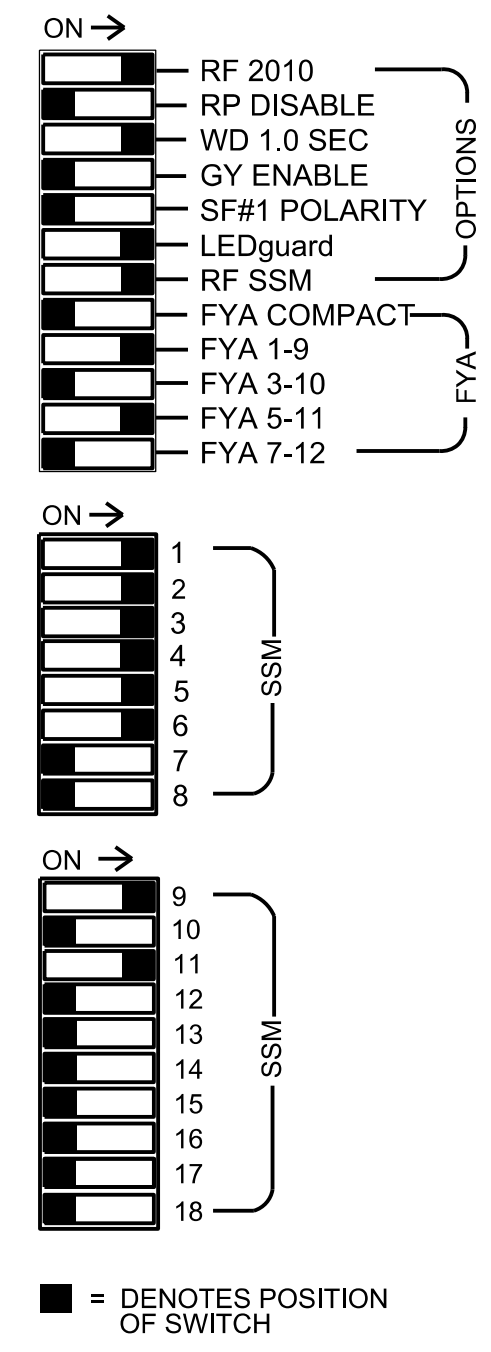
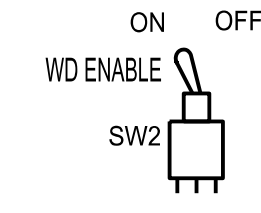
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 5-9, 5-11, 6-9, 6-11, and 9-11.



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 the Red Enable is active at all times during normal operation.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



■ = DENOTES POSITION OF SWITCH

### 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 plan.
- Program controller to start up in phase 2 Green No Walk, 6 Green No Walk, 39 Phase Not On, and 40 Green No Walk.
- Program Phase 39 for No Startup Veh Call.
- Program Phase 40 for Min Recall.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

### EQUIPMENT INFORMATION

Controller.....2070LX  
 Cabinet.....332 w/ Aux  
 Software.....Q-Free MAXTIME  
 Cabinet Mount.....Base  
 Output File Positions.....18 With Aux. Output File  
 Load Switches Used.....S1, S2, S4, S5, S7, S8, AUX S1, AUX S4  
 Phases Used.....1, 2, 3, 4, 5, 6, 39\*\*, 40\*\*  
 Overlap "1".....\*  
 Overlap "2".....NOT USED  
 Overlap "3".....\*  
 Overlap "4".....NOT USED

\*See overlap programming detail on sheet 2  
 \*\*Phase used for preemption timing purposes only

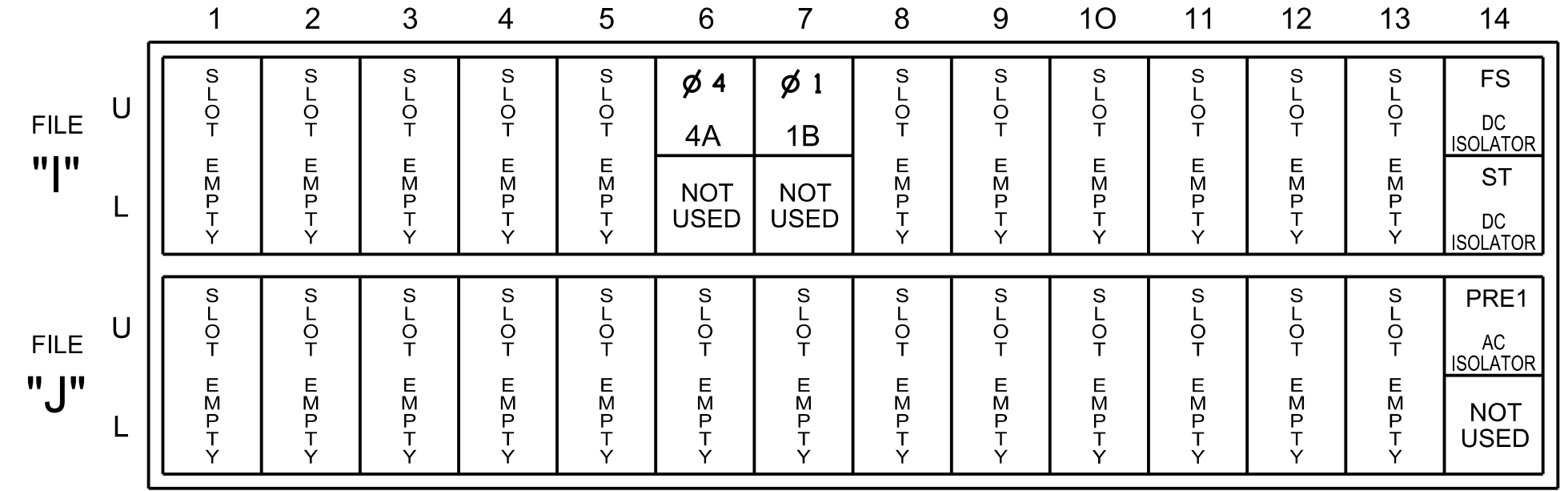
### SIGNAL HEAD HOOK-UP CHART

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.	11*	42	21,22	NU	32	33	62	41	42,43	NU	33	51*	61,62	NU	NU	NU	NU	11*	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		126					117					132										A122		A115
FLASHING YELLOW ARROW																						A123		A116
GREEN ARROW	127	127		118	118	103						133	133											

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

### INPUT FILE POSITION LAYOUT

(front view)

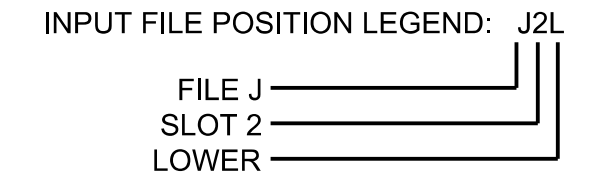


EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME  
 PRE = PREEMPT

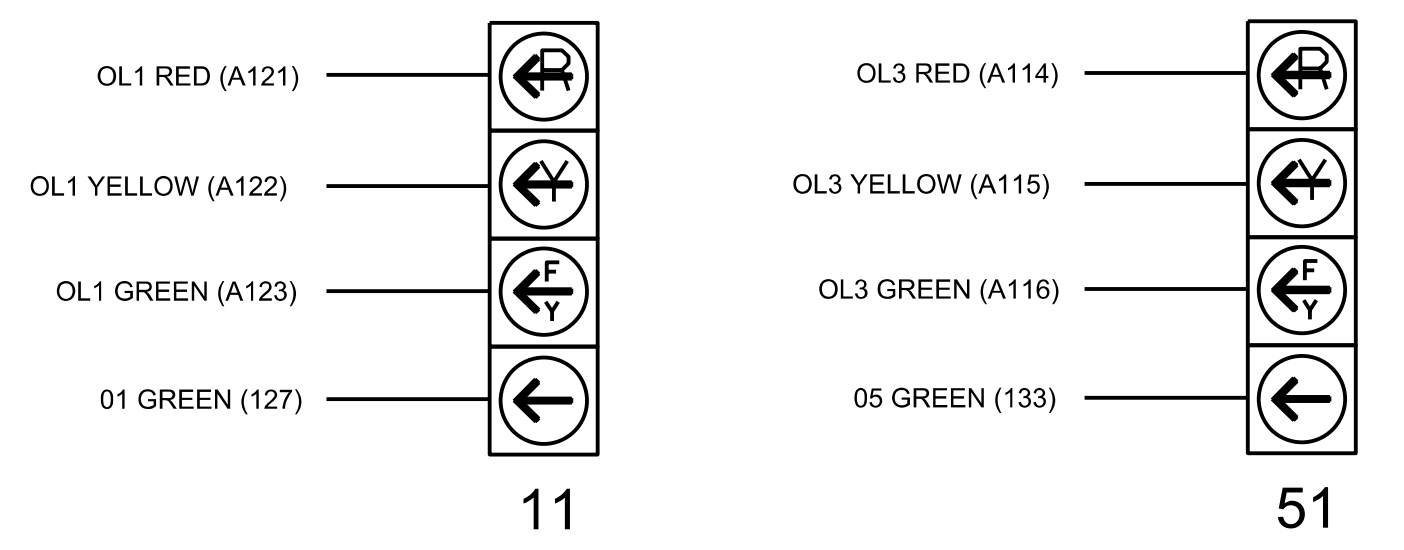
### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1B	TB6-1,2	17U	65	31	10	1	15.0	2.0	X		X	
4A	TB4-9,10	16U	41	3	8	4		2.0	X		X	



### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)

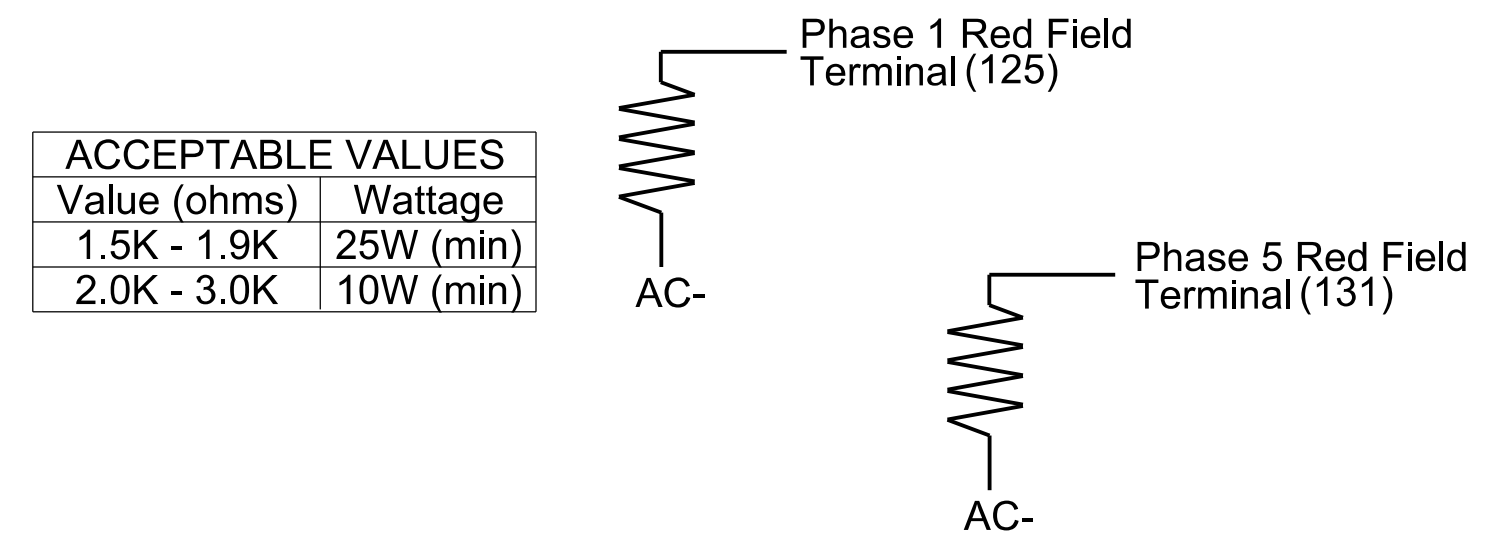


### SPECIAL DETECTOR NOTES

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 schemes shown on the Signal Design Plans.

### LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



ACCEPTABLE VALUES	
Value (ohms)	Wattage
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 08-0410T2  
 DESIGNED: June 2024  
 SEALED: 7/11/2024  
 REVISED:

Electrical Detail - Sheet 1 of 3  
 Temporary Design 2 (TMP Phase II)

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NC 211  
 at  
 SR 1239 (Seven Lakes Drive)  
 and SR 1190 (Lakeway Drive)  
 Division 8 Moore County Seven Lakes  
 PLAN DATE: June 2024 REVIEWED BY: R. Mullinax  
 PREPARED BY: LD Stouchko REVIEWED BY:  
 REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 034437  
 LD STOUCHKO  
 Lavi D. Stouchko  
 DATE  
 SIG. INVENTORY NO. 08-0410T2