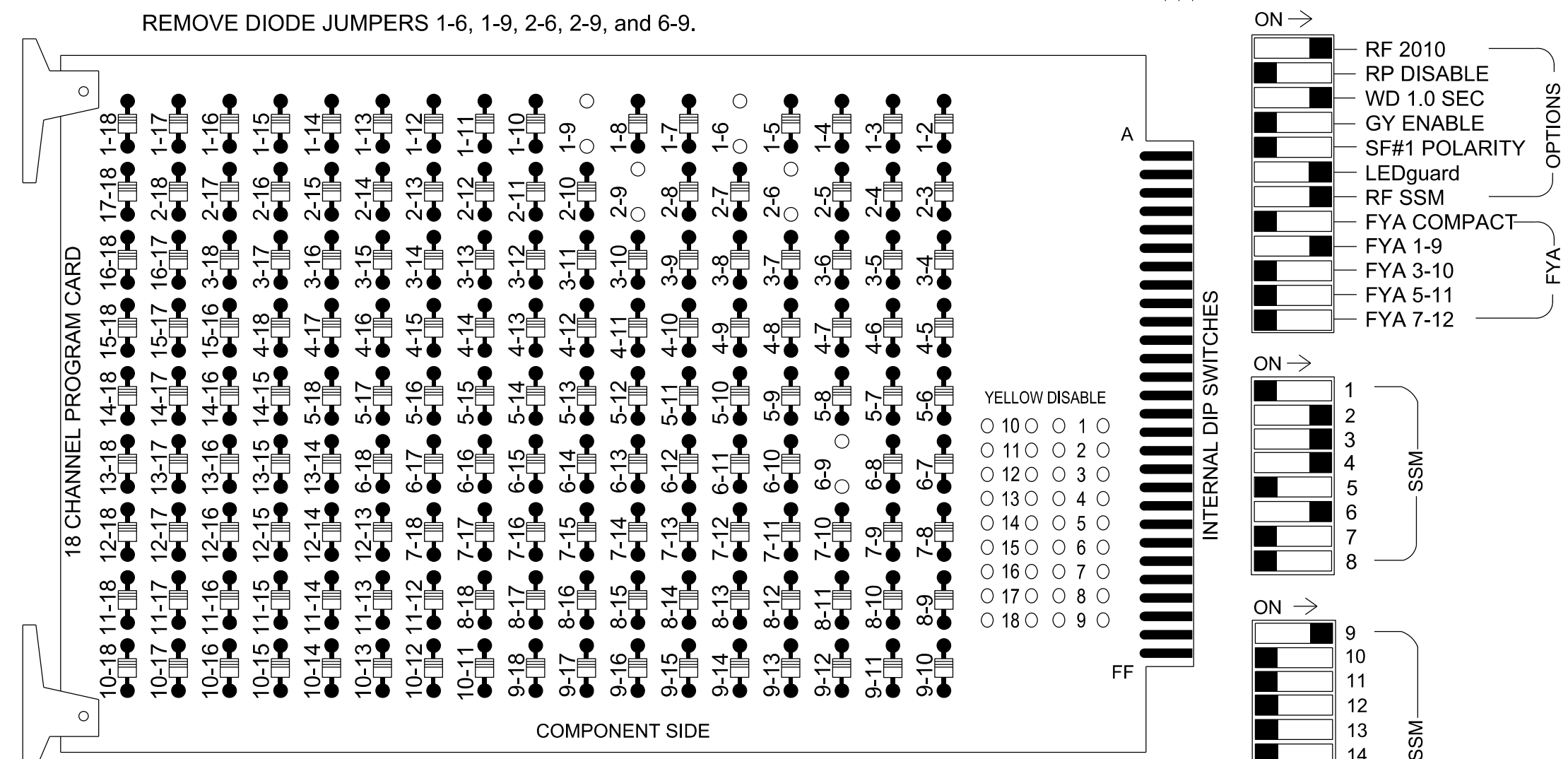


### 18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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.

### 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 and phase 6 Green No Walk.
- 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,S8, AUXS1  
 Phases Used.....1,2,3,4,6  
 Overlap "1".....\*

\*See overlap programming detail on this sheet.

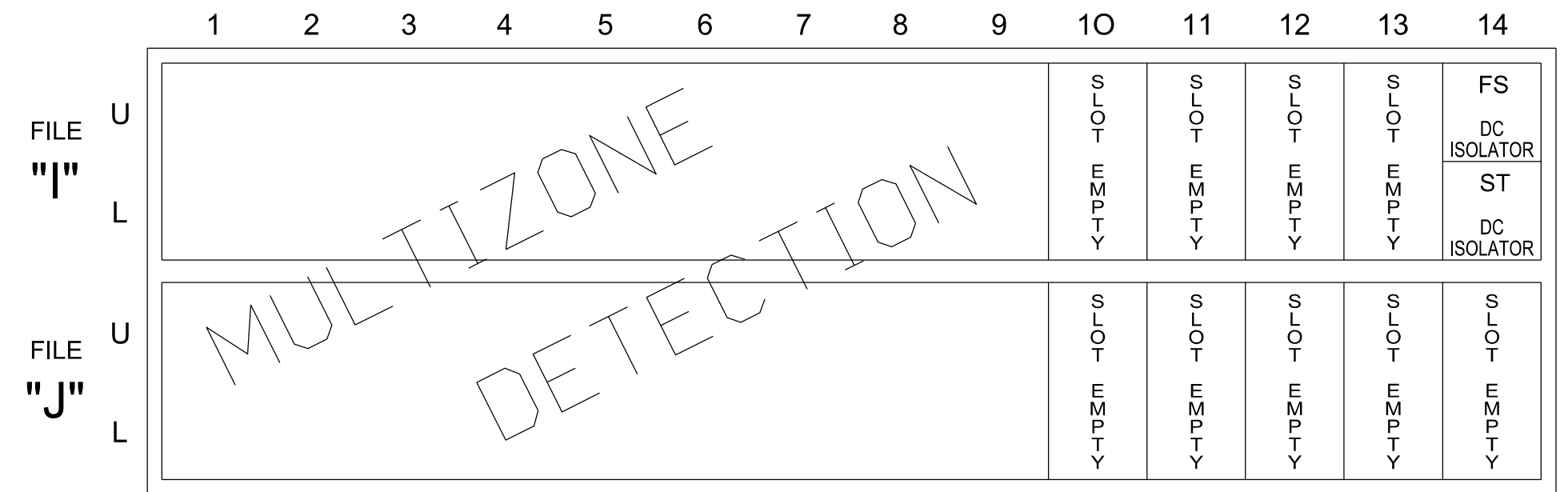
### SIGNAL HEAD HOOK-UP CHART

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*	21,22	NU	31	32	41	42	NU	NU	61,62	NU	NU	11*	NU	NU	NU	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					
YELLOW ARROW													A122					
FLASHING YELLOW ARROW													A123					
GREEN ARROW	127			118	103													

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)



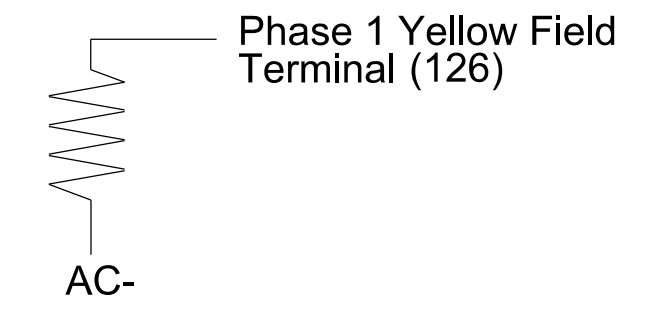
### SPECIAL DETECTOR NOTE

Install a multizone microwave 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)



### OVERLAP PROGRAMMING

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

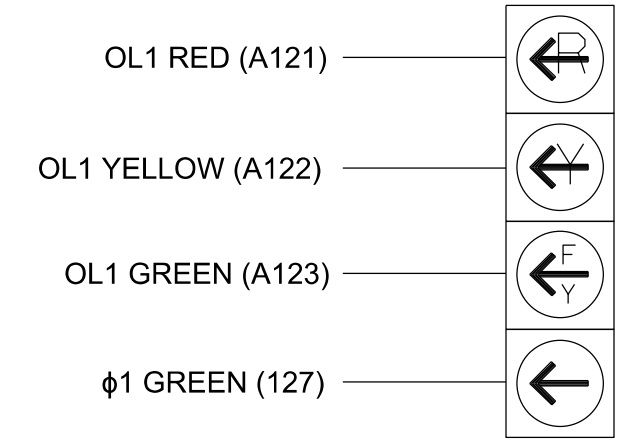
Web Interface  
 Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

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

### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)

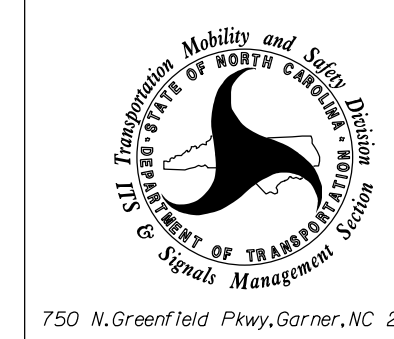


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THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 14-1119T1  
 DESIGNED: April 2024  
 SEALED: 4/18/2024  
 REVISED: N/A

Electrical Detail-Temporary Design 1 (TCP Phase II)

ELECTRICAL AND PROGRAMMING DETAILS FOR:	US 276 (Johnathan Creek Road)	
	at SR 1387 (Russell Cove Road) / SR 1394 (Hall Drive)	
Division 14	Haywood County	Dellwood
PLAN DATE:	April 2024	REVIEWED BY: M.L. Stygles
PREPARED BY: J. Ma		REVIEWED BY: J. L. Lewis
REVISIONS	INIT.	DATE



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 033108  
 J. L. LEWIS  
 4/18/2024  
 DATE  
 SIG. INVENTORY NO. 14-1119T1