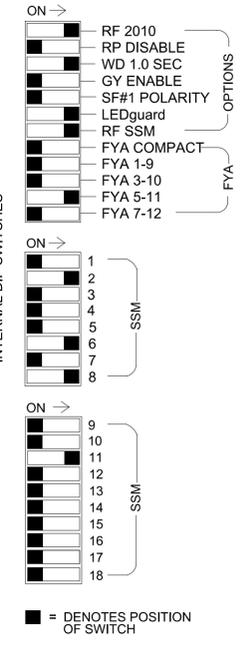
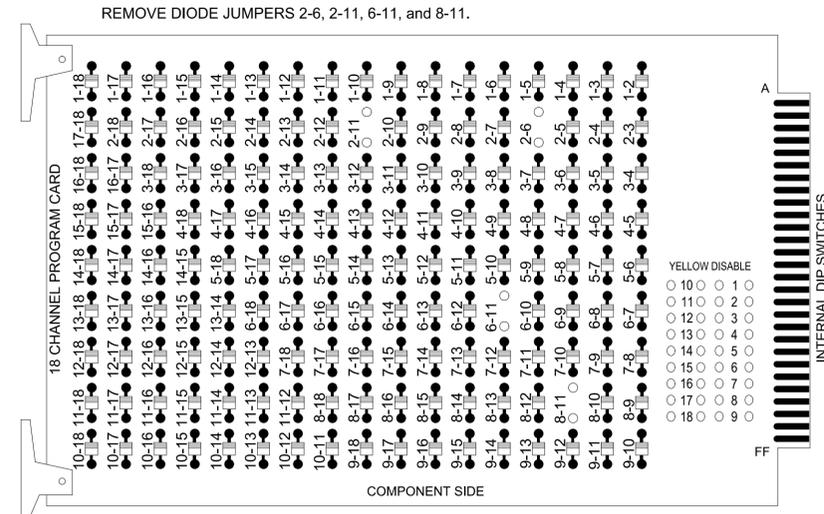


**18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



**NOTES:**

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that the Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

REMOVE JUMPERS AS SHOWN

**NOTES**

1. To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
2. Program controller to start up in phase 2 Green No Walk and 6 Green No Walk.
3. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
4. The cabinet and controller are part of the SR 1700 (Covered Bridge Road) System.

**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.....S2, S8, S11, AUX S4  
 Phases Used.....2, 6, 8  
 Overlap "1".....NOT USED  
 Overlap "2".....NOT USED  
 Overlap "3".....\*  
 Overlap "4".....NOT USED  
 \*See overlap programming detail on sheet 2

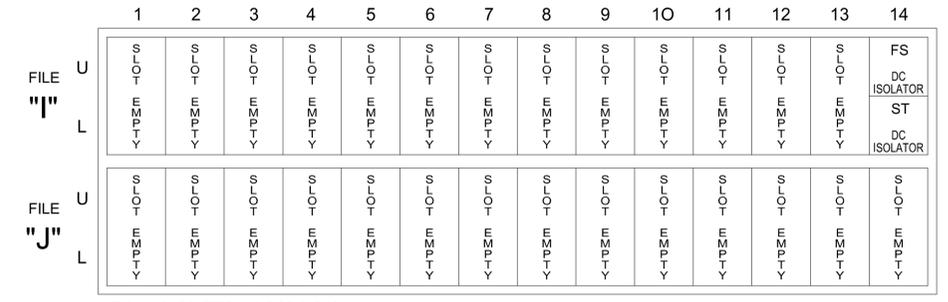
**SIGNAL HEAD HOOK-UP CHART**

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	OL6	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	NU	NU	NU	NU	61,62	NU	NU	81,82	83	NU	NU	NU	23*	NU	NU
RED		128						134			107						A114	
YELLOW		129						135										
GREEN		130						136										
RED ARROW											107							
YELLOW ARROW											108	108					A115	
FLASHING YELLOW ARROW																	A116	
GREEN ARROW											109	109						

NU = Not Used  
 \*See pictorial of head wiring in detail this sheet.

**INPUT FILE POSITION LAYOUT**

(front view)

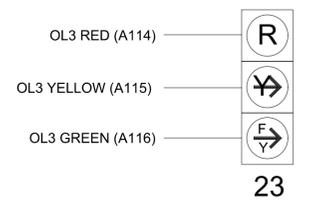


**SPECIAL DETECTOR NOTE**

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.

**FYA SIGNAL WIRING DETAIL**

(wire signal head as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-1470T2  
 DESIGNED: February 2025  
 SEALED: 02/04/25  
 REVISED: N/A



Electrical Detail - Sheet 1 of 2 - Temporary Design 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER MATTHEW L. STYGLES

Electrical and Programming Details For: SR 1700 (Covered Bridge Road) at SR 1705 (Castleberry Road)

Divison 4 Johnston County Archer Lodge

PLAN DATE: February 2025 REVIEWED BY: M.L. Stygles

PREPARED BY: L. Gottlieb REVIEWED BY: J. Ma/J.L. Lewis

REVISIONS INIT. DATE

DocuSigned by: M.L. Stygles 2/4/2025

SIG. INVENTORY NO. 04-1470T2

2/3/2025 04:xx112\_sm.ele\_20240717.dgn lgc111eb