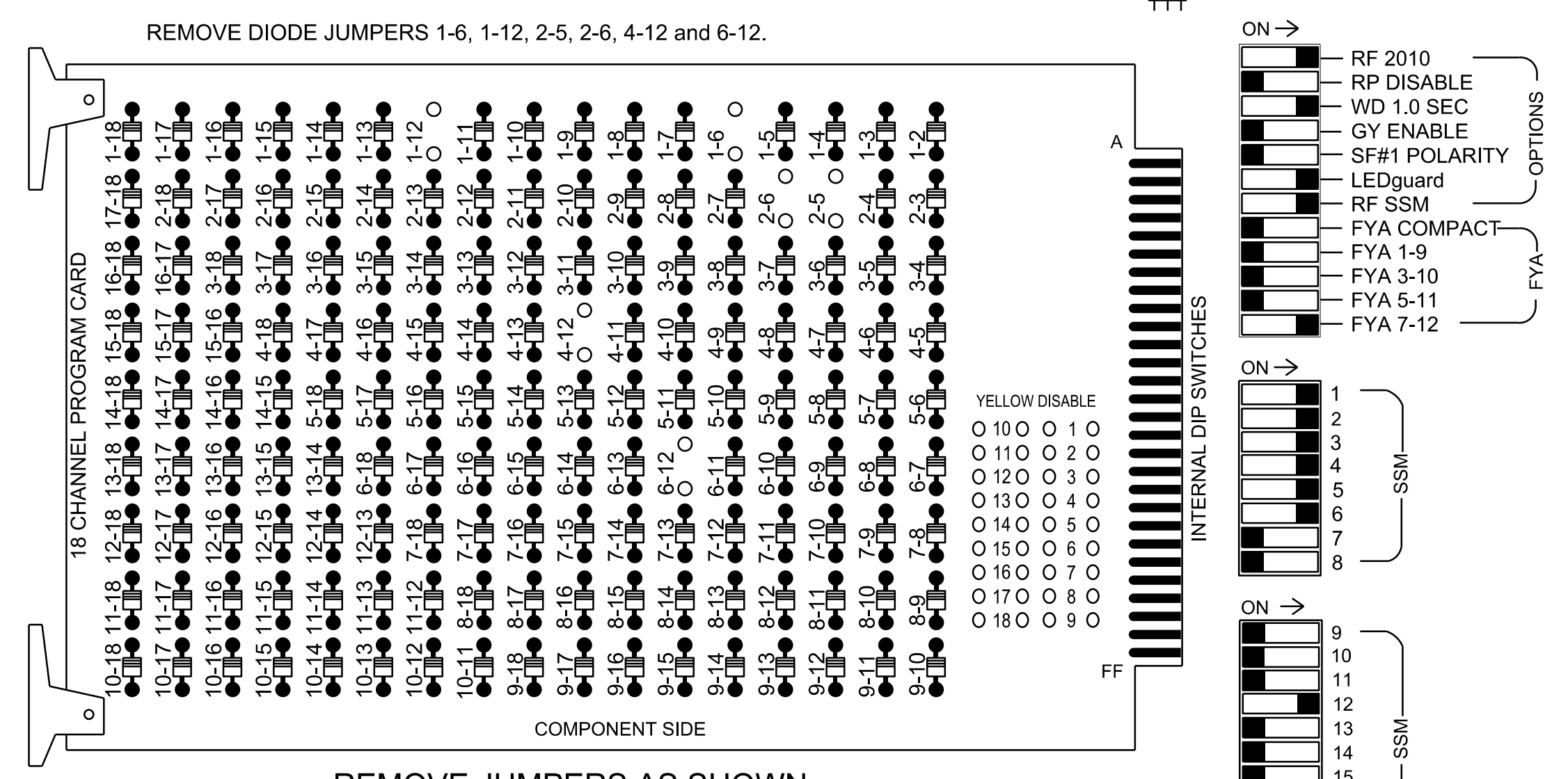


### 18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(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.
  - Integrate monitor with Ethernet network in cabinet.

### 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 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.
- The cabinet and controller are part of the D14-12 Waynesville Signal 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.....S1, S2, S4, S5, S7, S8, AUX S5  
 Phases Used.....1, 2, 3, 4, 5, 6  
 Overlap "1".....NOT USED  
 Overlap "2".....NOT USED  
 Overlap "3".....NOT USED  
 Overlap "4".....\*

\*See overlap programming detail on sheet 2

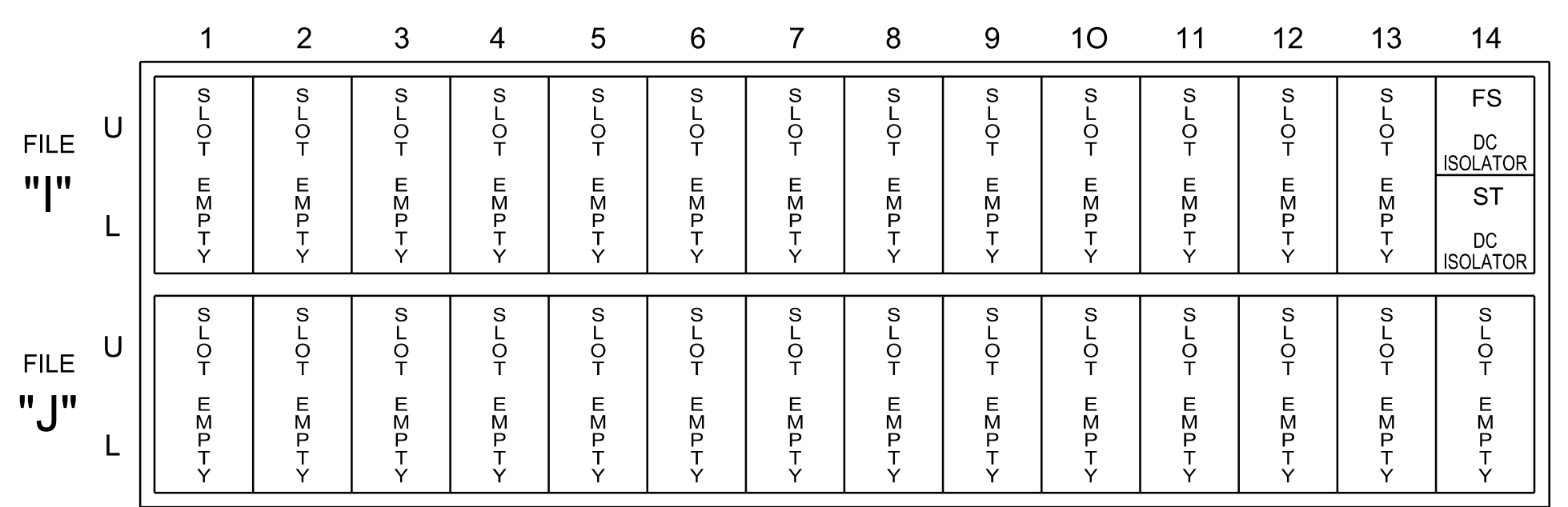
### SIGNAL HEAD HOOK-UP CHART

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	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	51	61,62	NU	NU	NU	NU	NU	NU	43	NU
RED		128		116	116	101	101			134								A101
YELLOW		129		117	117	102	102			135								
GREEN		130		118	118	103	103			136								
RED ARROW	125									131								
YELLOW ARROW	126									132								A102
FLASHING YELLOW ARROW																		A103
GREEN ARROW	127			118		103				133								

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

### INPUT FILE POSITION LAYOUT

(front view)



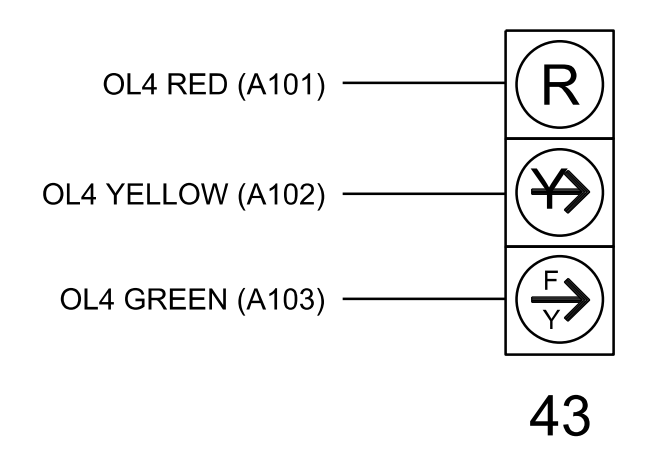
EX.: 1A, 2A, ETC. = LOOP NO.'S  
 FS = FLASH SENSE  
 ST = STOP TIME

### 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: 14-0689T1  
 DESIGNED: Apr 2023  
 SEALED: 04/11/2023  
 REVISED: N/A

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

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared For:  RAMEY KEMP ASSOCIATES 8210 University Executive Park Drive Suite 220 Charlotte, North Carolina 28223 Phone: 704-548-4200   www.rameykemp.com   NC License No. F-1489	US 276 (Russ Avenue) at Ingles Shopping Center / Long John Silver Drive Division 14 Haywood County Waynesville		SEAL  William J. Hamilton ENGINEER 04/11/2023 DATE
	PLAN DATE: April 2023 PREPARED BY: TS Popelka	REVIEWED BY: WJ Hamilton RKA PROJ. NO: 16085 (040)	