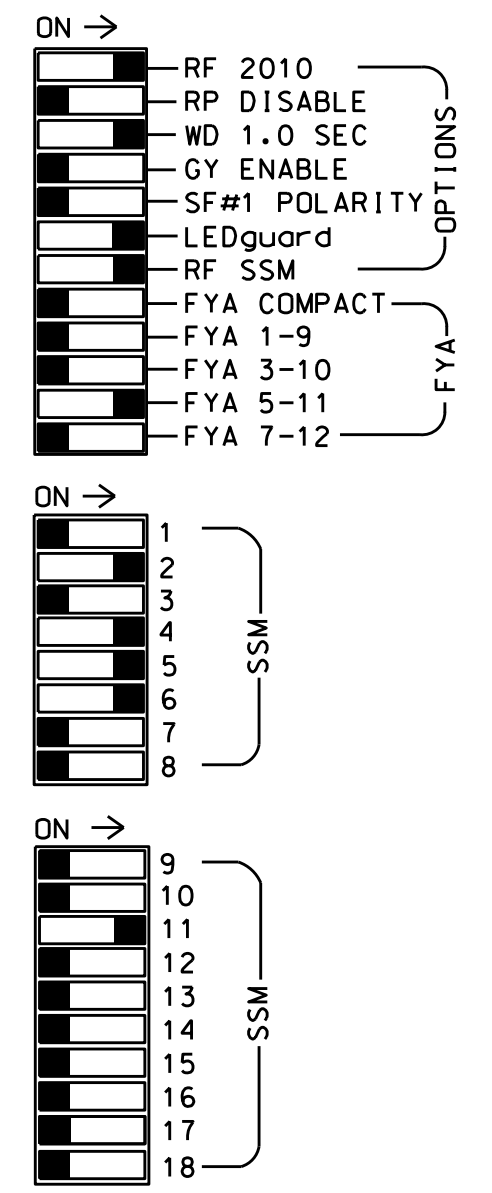
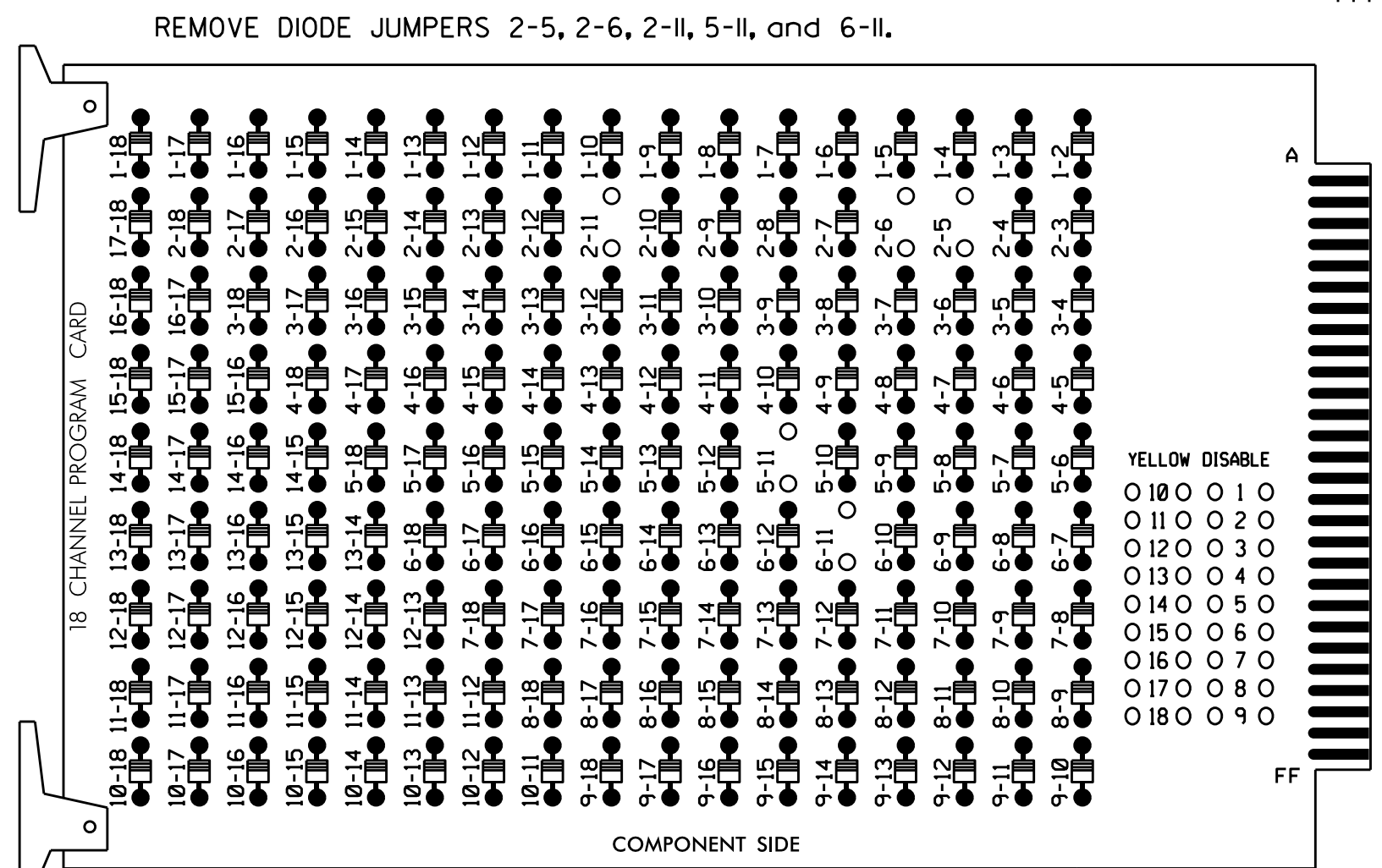


**EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

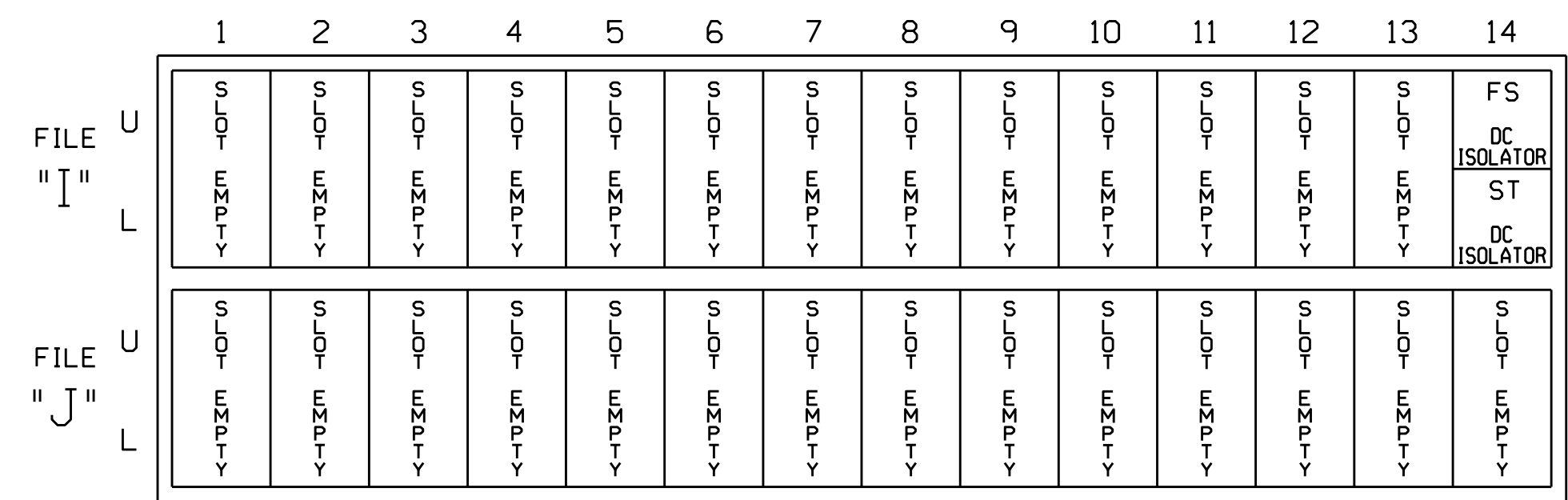


**NOTES:**

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 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.

**INPUT FILE POSITION LAYOUT**

(front view)



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

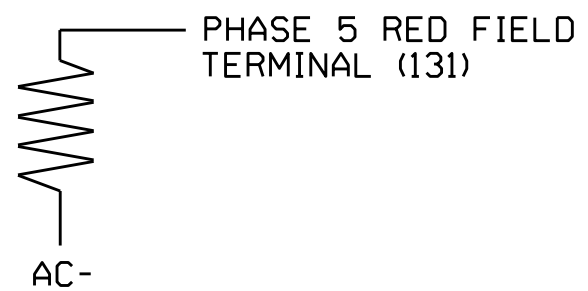
**SPECIAL DETECTOR NOTE**

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 schemes shown on the Signal Design Plans.

**LOAD RESISTOR INSTALLATION DETAIL**

(install resistor as shown below)

ACCEPTABLE VALUES	
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



**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	OLA	OLB	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	NU	21,22	NU	NU	41	42	63	NU	42	51*	62,63	NU	NU	NU	NU	51*	NU	NU	
RED		128			101	101			*		134								
YELLOW		129			102	102					135								
GREEN		130			103	103					136								
RED ARROW																	A114		
YELLOW ARROW								102		132								A115	
FLASHING YELLOW ARROW																			A116
GREEN ARROW					103	103			133	133									

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

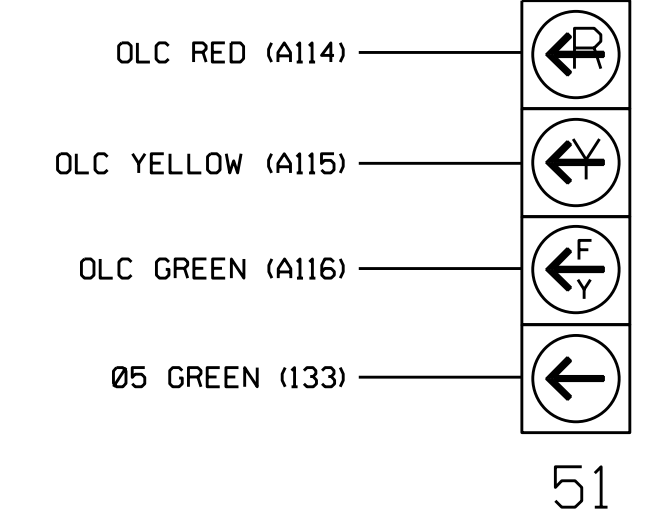
NOTE: disconnect and bag signal heads 31, 32, 61, and the right turn indicators of five-section head 22. Remove loadswitches S4 and AUX S1 from Output File and Aux Output File respectively.

**NOTES**

1. 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.
2. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2 and 6 for Gap Reduction.
4. Program phases 2 and 6 for Start Up In Green.
5. Program phases 2 and 6 for Yellow Flash. ~~and overlap as Wag Overlaps.~~

**FYA SIGNAL WIRING DETAIL**

(wire signal head as shown)



NOTE: The sequence display for signal head 51 requires special logic programming. See sheet 2 for programming instructions.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070L  
 CABINET.....332 W/ AUX  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S2,S5,S7,S8,AUX S4  
 PHASES USED.....2,3,4,5,6  
 OVERLAP "A".....X NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....5+6  
 OVERLAP "D".....NOT USED

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 11-0341T3  
 DESIGNED: September 2014  
 SEALED: 10/14/2014  
 REVISED: N/A

Electrical Detail - Temporary Design 3 - TCP Phase III (Step 1) - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared in the Offices of:  750 N. Greenfield Pkwy, Garner, NC 27529	US 221-NC 194 at US 221 Business-NC 194/NC 163		SEAL  JOHN T. ROWE, JR. ENGINEER
	Division 11 PLAN DATE: October 2014 PREPARED BY: S. Armstrong	Ashe County REVIEWED BY: JTR REVIEWED BY:	

DocuSigned by: John T. Rowe, Jr. 10/17/2014  
 0410001450E4F5  
 DATE  
 SIG. INVENTORY NO. 11-0341T3

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