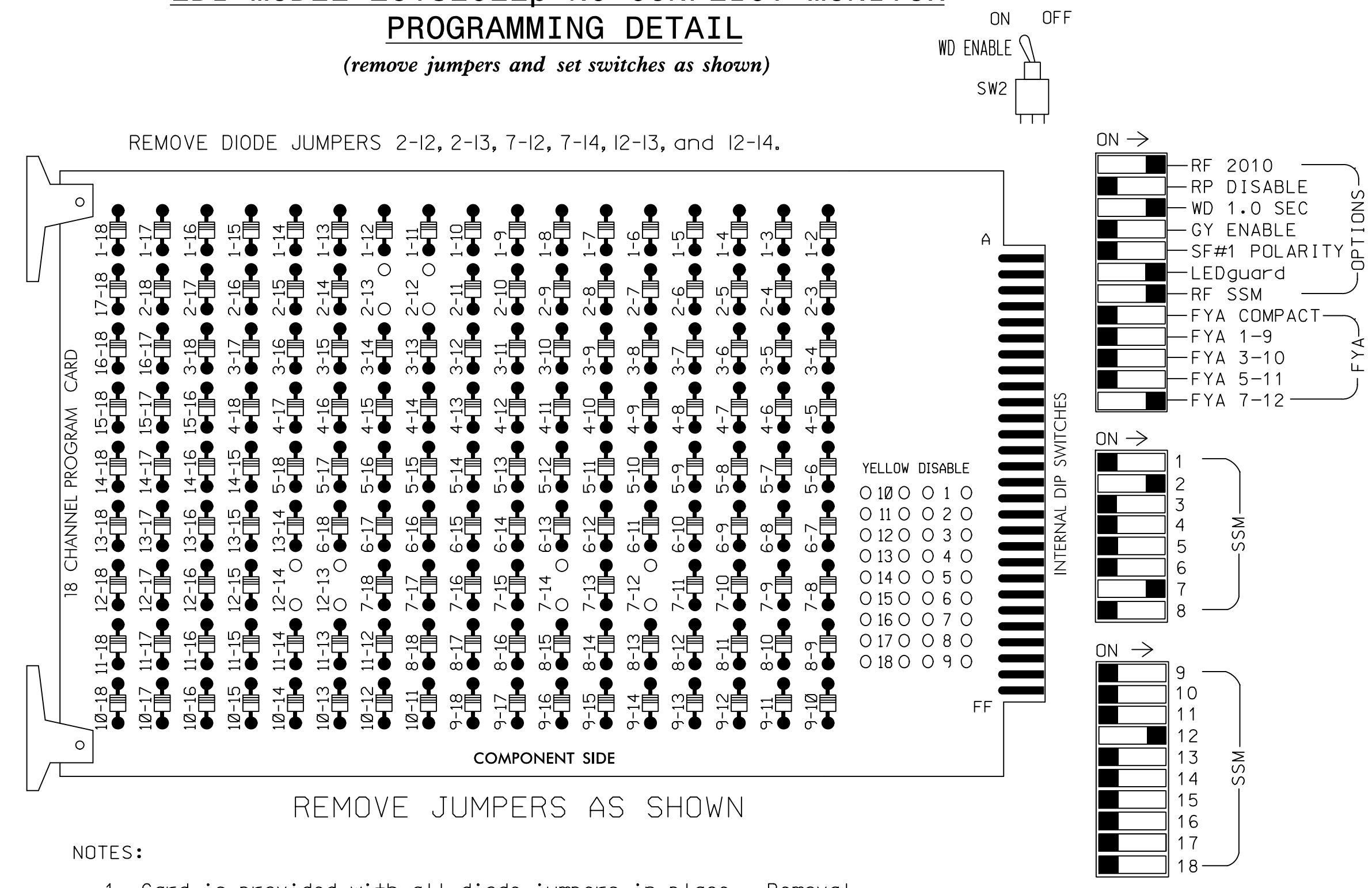


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 Red Enable is active at all times during normal operation.

### 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 Plans.
- Enable Simultaneous Gap-Out for all phases.
- Program phase 2 for Variable Initial and Gap Reduction.
- Program phase 2 for Start Up In Green.
- Program phases 2 and 7 for 'STARTUP PED CALL'.
- Program phase 2 for Yellow Flash.
- The cabinet and controller are part of the Gilead Road Closed Loop System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070E  
 CABINET.....332 /W/ AUX  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S2,S3,S6,S10,AUX S5  
 PHASES USED.....2,2 PED,7 PED,7  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....2+7

### SIGNAL HEAD HOOK-UP CHART

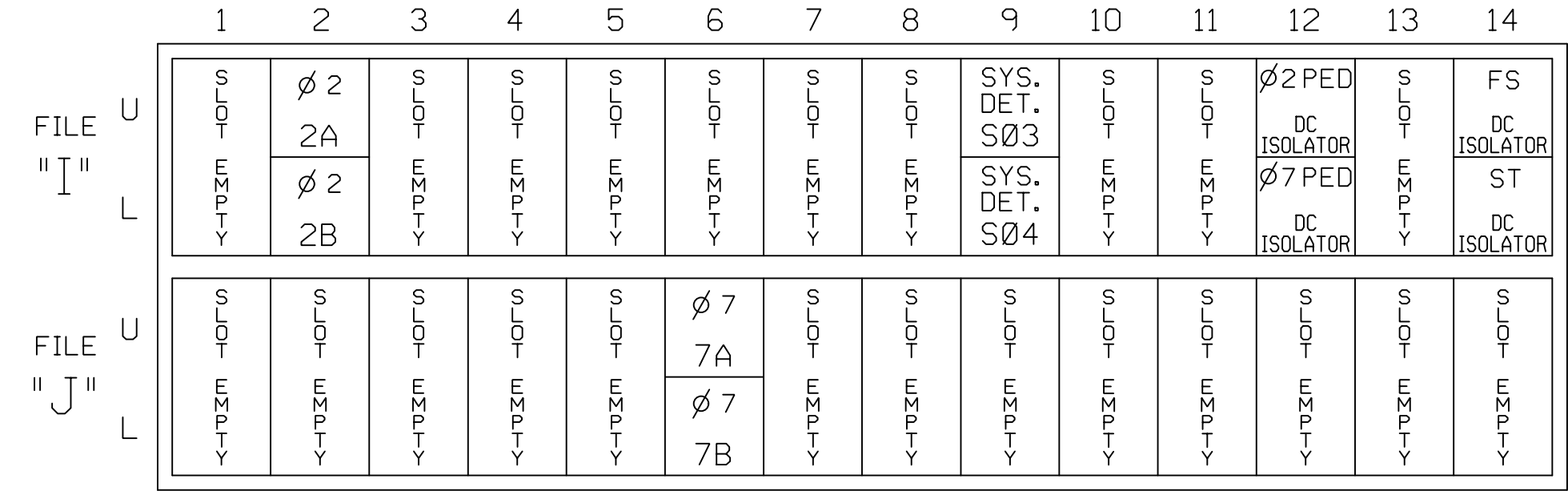
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	7 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	P21, P22	NU	NU	P71, P72	NU	NU	NU	71,72	73,74	NU	NU	NU	NU	NU	71,72	NU
RED		128										122						
YELLOW		129																
GREEN		130																
RED ARROW																		A101
YELLOW ARROW											123							A102
FLASHING YELLOW ARROW																		A103
GREEN ARROW										124	124							
Hand				113			104											
Walking				115			106											

NU = Not Used

\* See pictorial of head wiring in detail below.

### INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE  
 ST = STOP TIME

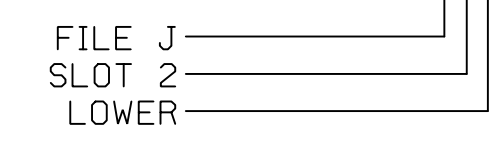
### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB2-5,6	I2U	39	1	2	2	Y	Y	-	-	-
2B	TB2-7,8	I2L	43	5	12	2	Y	Y	-	-	-
*S03	TB6-9,10	I9U	60	22	11	SYS	-	-	-	-	-
*S04	TB6-11,12	I9L	62	24	13	SYS	-	-	-	-	-
7A	TB5-9,10	J6U	42	4	8	7	Y	Y	-	-	15
7B	TB5-11,12	J6L	46	8	18	7	Y	Y	-	-	15
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P71,P72	TB8-5,6	I12L	69	31	PED 4	7 PED					

NOTE:  
 INSTALL DC ISOLATORS IN INPUT FILE SLOT 112.

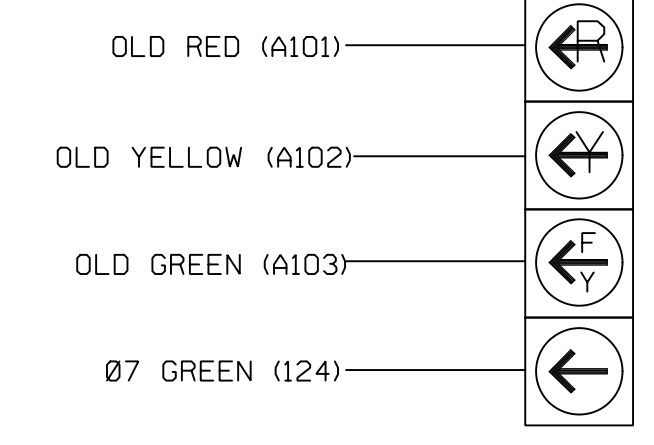
\* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

#### INPUT FILE POSITION LEGEND: J2L



### 4 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal heads as shown)



71,72

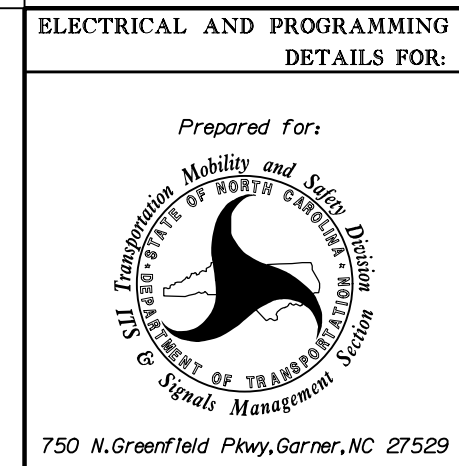
**NOTE**

- The sequence display for these signals require special logic programming. See sheet 2 of 2 for programming instructions.

### COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-2278  
 DESIGNED: NOV 2017  
 SEALED: 4/18/2018  
 REVISED: N/A



US 21 (Statesville Road) at U-turn Bulb-out North of SR 2136 (Gilead Road)

Division 10	Mecklenburg	Huntersville
PLAN DATE: November 2017	REVIEWED BY: R. Dubnicka	
PREPARED BY: J. Trueblood	REVIEWED BY: J. Carroll	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 030005  
 JUSTIN T. CARROLL

DocuSigned by:  
 Justin T. Carroll  
 4/18/2018

SIG. INVENTORY NO. 10-2278

ELECTRICAL DETAIL SHEET 1 OF 2