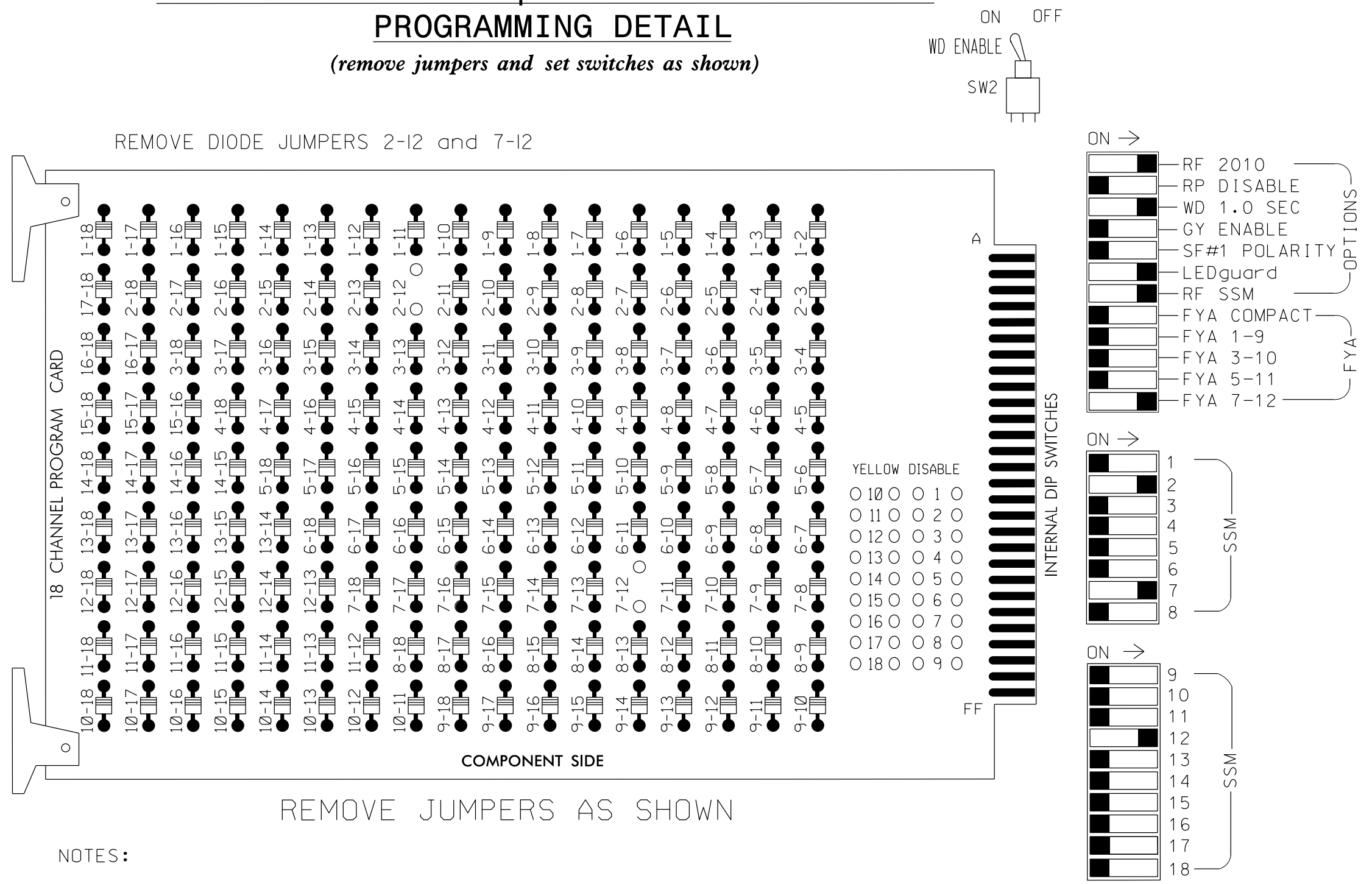


### EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.

■ = DENOTES POSITION OF SWITCH

### 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 phase 2 for Variable Initial and Gap Reduction.
4. Program phase 2 for Start Up In Green.
5. Program phase 2 for Yellow Flash.
6. The cabinet and controller are part of the US 74 Indian Trail Closed Loop System #2.

### 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,S10,AUX S5.  
 PHASES USED.....2,7.  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....2+7

### SIGNAL HEAD HOOK-UP CHART

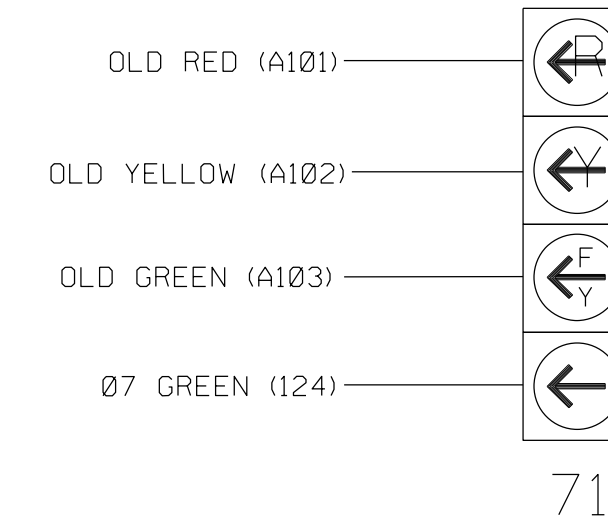
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	NU	NU	NU	NU	NU	NU	71	72, 73 74	NU	NU	NU	NU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

NU = Not Used

★ See pictorial of head wiring in detail below.

### 4 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal heads as shown)



**NOTE**

1. The sequence display for this signal requires special logic programming. See sheet 2 for programming instructions.

### INPUT FILE POSITION LAYOUT

(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	SYS. DET. S10	∅7	∅7	∅7	∅7	FS
I	2A/S8	2A/S8	2A/S8	2A/S8	2A/S8	2A/S8	2A/S8	2A/S8	SYS. DET. S11	7A	7C	7B	7B	DC ISOLATOR
L	2B/S9	2B/S9	2B/S9	2B/S9	2B/S9	2B/S9	2B/S9	2B/S9	∅7	∅7	NOT USED	NOT USED	NOT USED	ST
U	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	SYS. DET. S12	∅7	NOT USED	NOT USED	NOT USED	DC ISOLATOR
I	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅7	∅7	NOT USED	NOT USED	NOT USED	FS
L	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅7	NOT USED	NOT USED	NOT USED	NOT USED	ST

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/S8	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y			
2B/S9	TB2-7,8	I2L	43	5	12	2/SYS	Y	Y			
* S10	TB6-9,10	I9U	60	22	11	SYS					
* S11	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			10
7C	TB7-1,2	J7U	66	28	38	7	Y	Y			10
* S12	TB7-9,10	J9U	59	21	15	SYS					

\* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

★ INPUT PAGE 2. SEE INPUT PAGE ASSIGNMENT PROGRAMMING DETAIL ON SHEET 3.

### INPUT FILE POSITION LEGEND: J2L



ELECTRICAL DETAIL SHEET 1 OF 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

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US 74 (Andrew Jackson Highway)  
 Eastbound  
 at  
 Harris Teeter Distribution Cntr

Division 10 Union County Indian Trail

PLAN DATE: June 2015 REVIEWED BY: B Humfleet

PREPARED BY: LM Moon REVIEWED BY:

REVISIONS	INIT.	DATE

750 N. Greenfield Pkwy, Garner, NC 27529

Lisa M. Moon 12/12/2016

SIG. INVENTORY NO. 10-2192