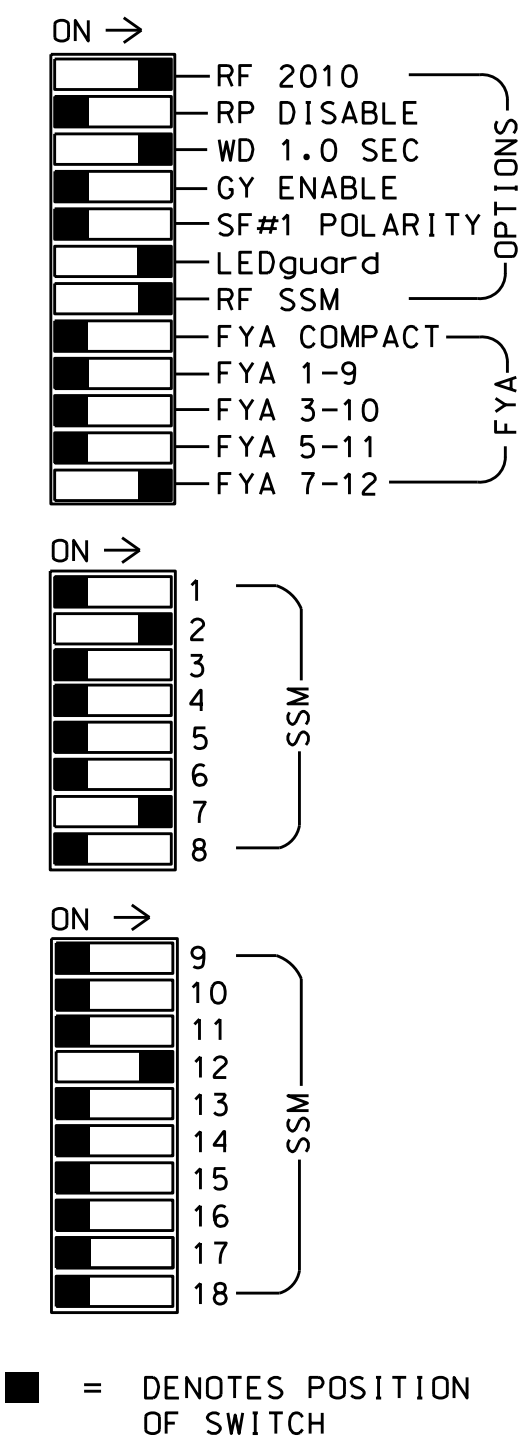
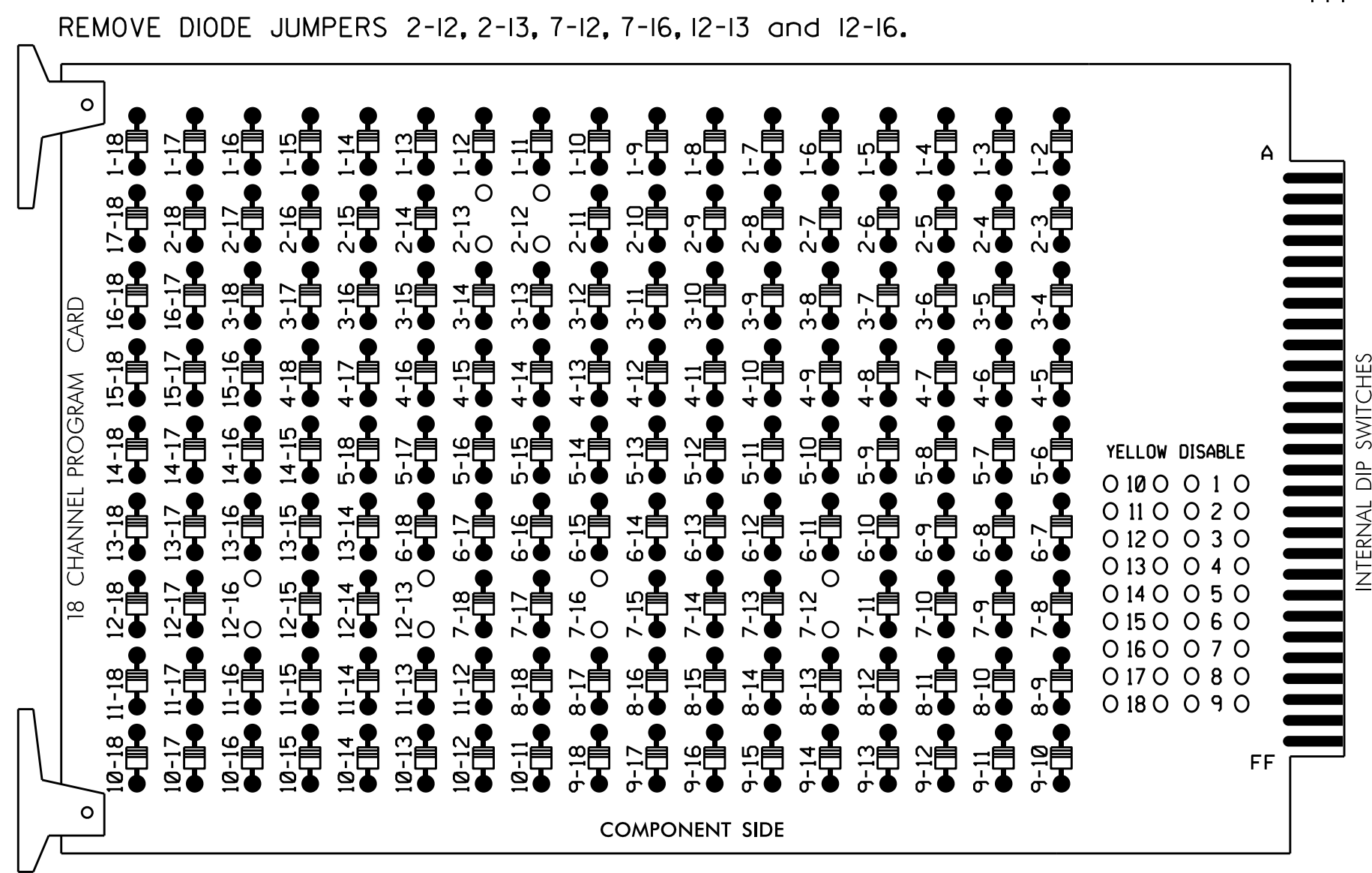


**EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(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.
- 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 Plans.
- Enable Simultaneous Gap-Out for all phases.
- Program phase 2 for volume density operation.
- Program controller to start up in phase 2 Walk.
- Program phase 6 for Red Flash.
- The cabinet and controller are part of the Fayetteville Signal System.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 CABINET.....332 W/AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S2,S3,S10,S12,AUX S5  
 PHASES USED.....2,2 PED,7,7 PED  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....\*  
 OVERLAP "E".....NOT USED  
 OVERLAP "F".....NOT USED  
 OVERLAP "G".....\*  
 \* 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	OLG	8	7 PED	OLA	DLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	P21, P22	NU	NU	NU	NU	NU	NU	71*	72,73	NU	P71, P72	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							
Hand icon			113										110					
Walking person icon			115											112				

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

**INPUT FILE POSITION LAYOUT**

(front view)

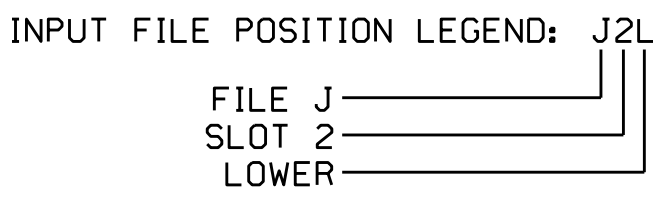
FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2 PED DC ISOLATOR	NOT USED	FS DC ISOLATOR
		2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A	2A/S2A
"J"	U	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS	∅2/SYS
		2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B	2B/S2B
"U"	U	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7
		7A	7A	7A	7A	7A	7A	7A	7A	7A	7A	7A	7A	7A	7A
		7B	7B	7B	7B	7B	7B	7B	7B	7B	7B	7B	7B	7B	7B

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

**INPUT FILE CONNECTION & PROGRAMMING CHART**

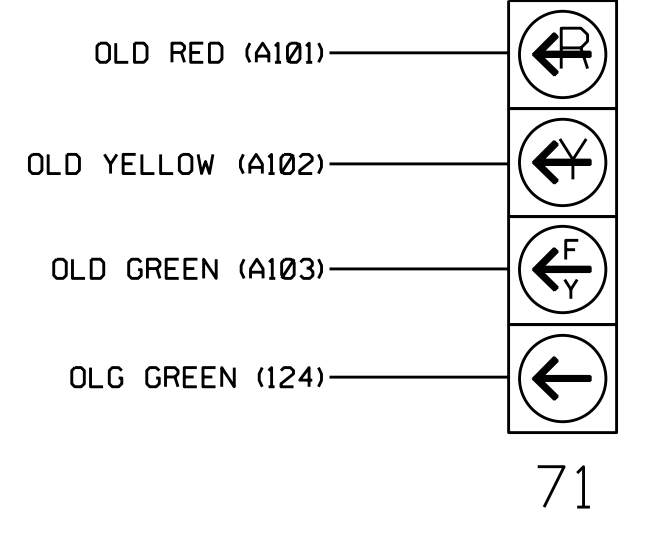
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
2A/S2A	TB2-5,6	I2U	39	2	2/SYS	YES			N
2B/S2B	TB2-7,8	I2L	43	12	2/SYS	YES			N
7A	TB5-9,10	J6U	42	8	7	YES		15	S
7B	TB5-11,12	J6L	46	18	7	YES		15	S
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED				
P71,P72	TB8-8,9	I13L	70	PED 8	7 PED				

NOTE:  
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.



**FYA SIGNAL WIRING DETAIL**

(wire signal heads as shown)



**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.

**FLASHER CIRCUIT MODIFICATION DETAIL**

In order to ensure that signals flash concurrently on the same approach, make the following flasher circuit changes:

- On rear of PDA - remove wire from Term. T2-4 and terminate on T2-2.
- On rear of PDA - remove wire from Term. T2-5 and terminate on T2-3.
- Remove flasher unit 2.

The changes listed above ties all phases and overlaps to flasher unit 1.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1338  
 DESIGNED: March 2016  
 SEALED: 10/21/2016  
 REVISED:

Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:  
 TRANSPORTATION MOBILITY AND SAFETY SOLUTIONS  
 750 N. Greenfield Pkwy, Garner, NC 27529

SR 1403 (South Reilly Road) at Northumberland Street

Division 6 Cumberland County Fayetteville  
 PLAN DATE: October 2016 REVIEWED BY: T. Joyce  
 PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS INIT. DATE

Seal: KEITH M. MIMS, PROFESSIONAL ENGINEER, No. 036880

DocuSigned by: Keith M. Mims 10/26/2016  
 SIG. INVENTORY NO. 06-1338

06-1017-2016 11:19  
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