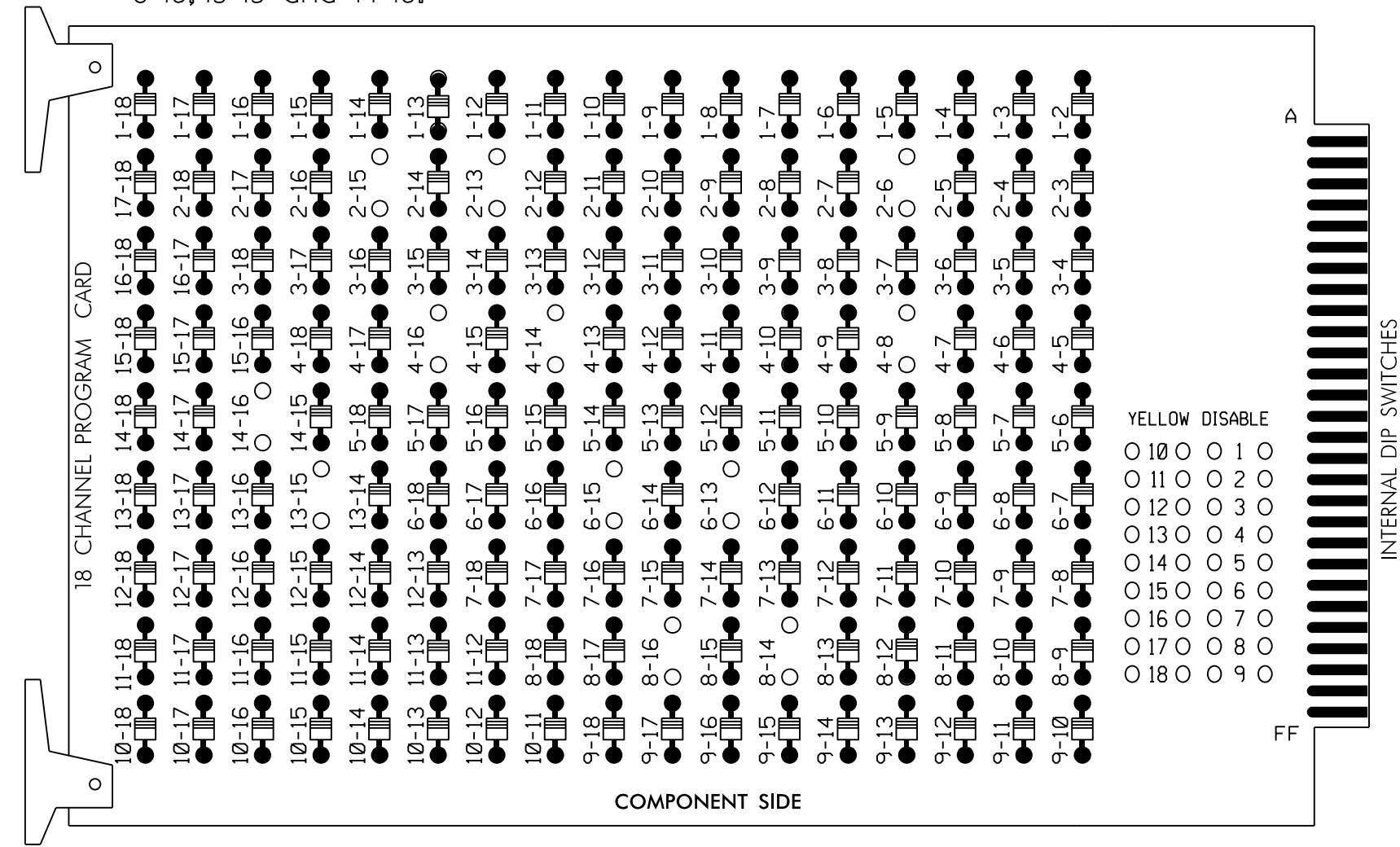


### EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

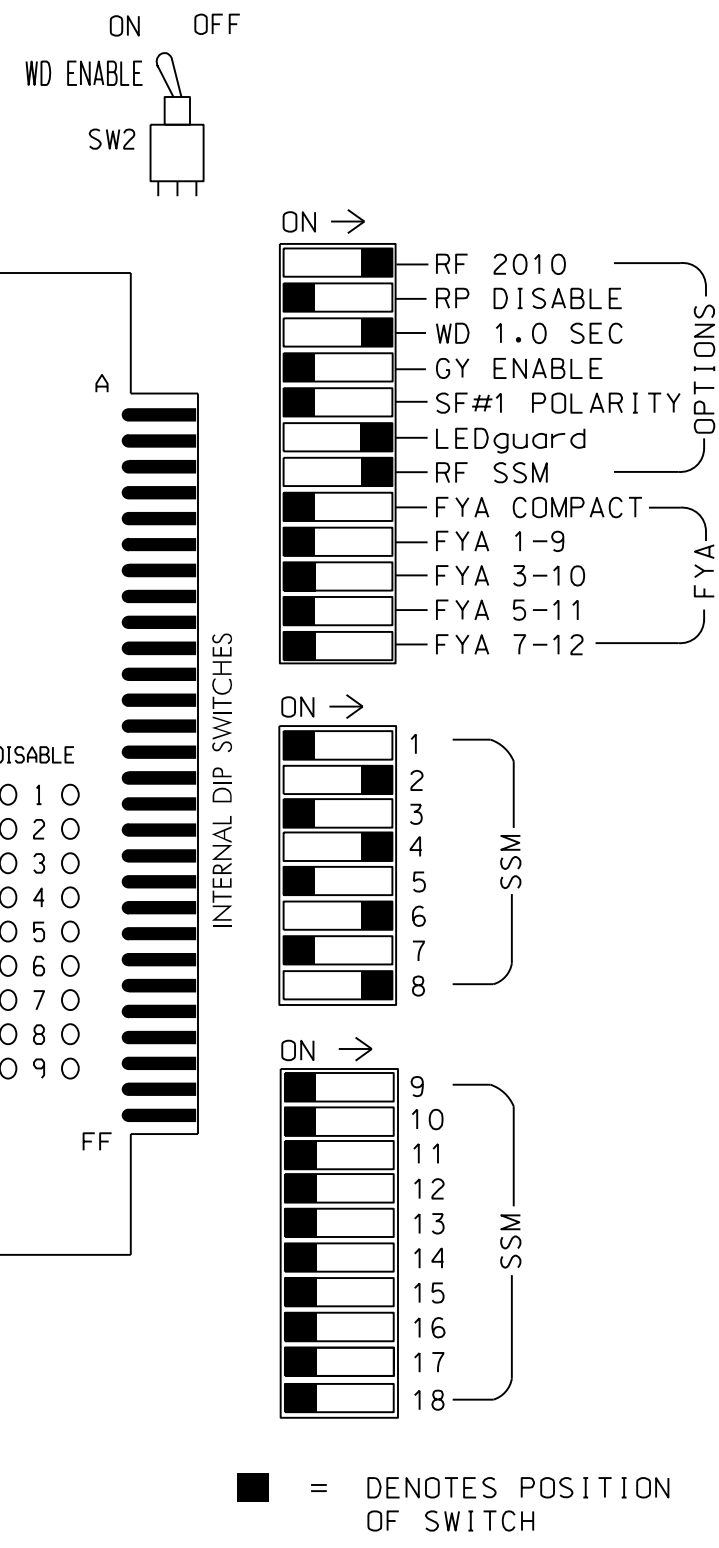
REMOVE DIODE JUMPERS 2-6, 2-13, 2-15, 4-8, 4-14, 4-16, 6-13, 6-15, 8-14, 8-16, 13-15 and 14-16.



REMOVE JUMPERS 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 are present on the monitor board.
- Remove jumper SEL9 if it is present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.



■ = DENOTES POSITION OF SWITCH

### 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.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2, 4, 6 and 8 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Concord City Signal System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070  
 CABINET.....332 W/ AUX  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 (12-STD; 6 AUX)  
 LOAD SWITCHES USED.....S2,S2P,S4,S4P,S6,S6P,S8,S8P  
 PHASES USED.....2,4,6,8,2PED,4PED,6PED,8PED  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....NOT USED

### SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
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, 23,24, 25,26	P21,P22, P23,P24	NU	41,42, 43,44	P41,P42, P43,P44	NU	61,62, 63,64, 65	P61,P62, P63,P64	NU	81,82, 83,84, 85	P81,P82, P83,P84	NU	NU	NU	NU	NU	NU
RED		128			101			134			107							
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW																		
YELLOW ARROW																		
GREEN ARROW																		
Hand icon				113		104			119			110						
Walking person icon				115		106			121			112						

NU = Not Used

### INPUT FILE POSITION LAYOUT

(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	S	∅ 2	∅ 2	S	S	∅ 4	∅ 4	S	SYS. DET. S4	S	S	∅ 2 PED	∅ 6 PED	FS
I	∅ 2	NOT USED				∅ 4	SYS. DET. S39					DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
L	2B					4B						∅ 4 PED	∅ 8 PED	ST
U	S	∅ 6/SYS	∅ 6/SYS	S	S	∅ 8	∅ 8	S	SYS. DET. S6	S	S	S	S	S
I	∅ 6/SYS	NOT USED				∅ 8	∅ 8							
L	6A/S7	6C/S9				8B	8D							
	6B/S8													

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

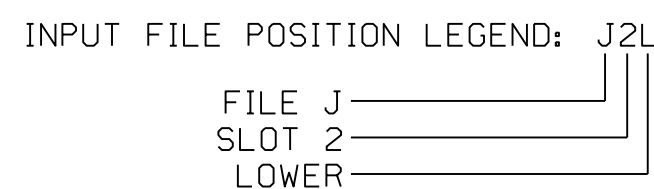
FS = FLASH SENSE  
 ST = STOP TIME

### 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			
2C	TB2-9,10	I3U	63	25	32	2	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			15
*S39	TB6-3,4	I7L	78	40	44	SYS					
*S4	TB6-9,10	I9U	60	22	11	SYS					
*S5	TB6-11,12	I9L	62	24	13	SYS					
6A/S7	TB3-5,6	J2U	40	2	6	6/SYS	Y	Y			
6B/S8	TB3-7,8	J2L	44	6	16	6/SYS	Y	Y			
6C/S9	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			
8C	TB7-1,2	J7U	66	28	38	8	Y	Y			10
8D	TB7-3,4	J7L	79	41	48	8	Y	Y			15
*S6	TB7-9,10	J9U	59	21	15	SYS					
*S40	TB7-11,12	J9L	61	23	17	SYS					
PED PUSH BUTTONS											
P21-P24	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41-P44	TB8-5,6	I12L	69	31	PED 4	4 PED					
P61-P64	TB8-7,9	I13U	68	30	PED 6	6 PED					
P81-P84	TB8-8,9	I13L	70	32	PED 8	8 PED					

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

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



### 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: 10-1532  
 DESIGNED: March 2016  
 SEALED: July 7, 2016  
 REVISED:

Signal Upgrade  
 Electrical Detail Sheet 1 of 1

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

ELECTRICAL AND PROGRAMMING DETAILS FOR:		SR 1394 (Poplar Tent Road) at SR 1442 (Odell School Road) / SR 1445 (Derita Road)	
Division 10 Cabarrus County Concord		CONCORD	
PLAN DATE: March 2016	REVIEWED BY: J O Deaton	DocuSigned by: James O. Deaton	
PREPARED BY: M W Yalch	REVIEWED BY:	INIT.	DATE
REVISIONS			

750 N. Greenfield Pkwy, Garner, NC 27529

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SIG. INVENTORY NO. 10-1532