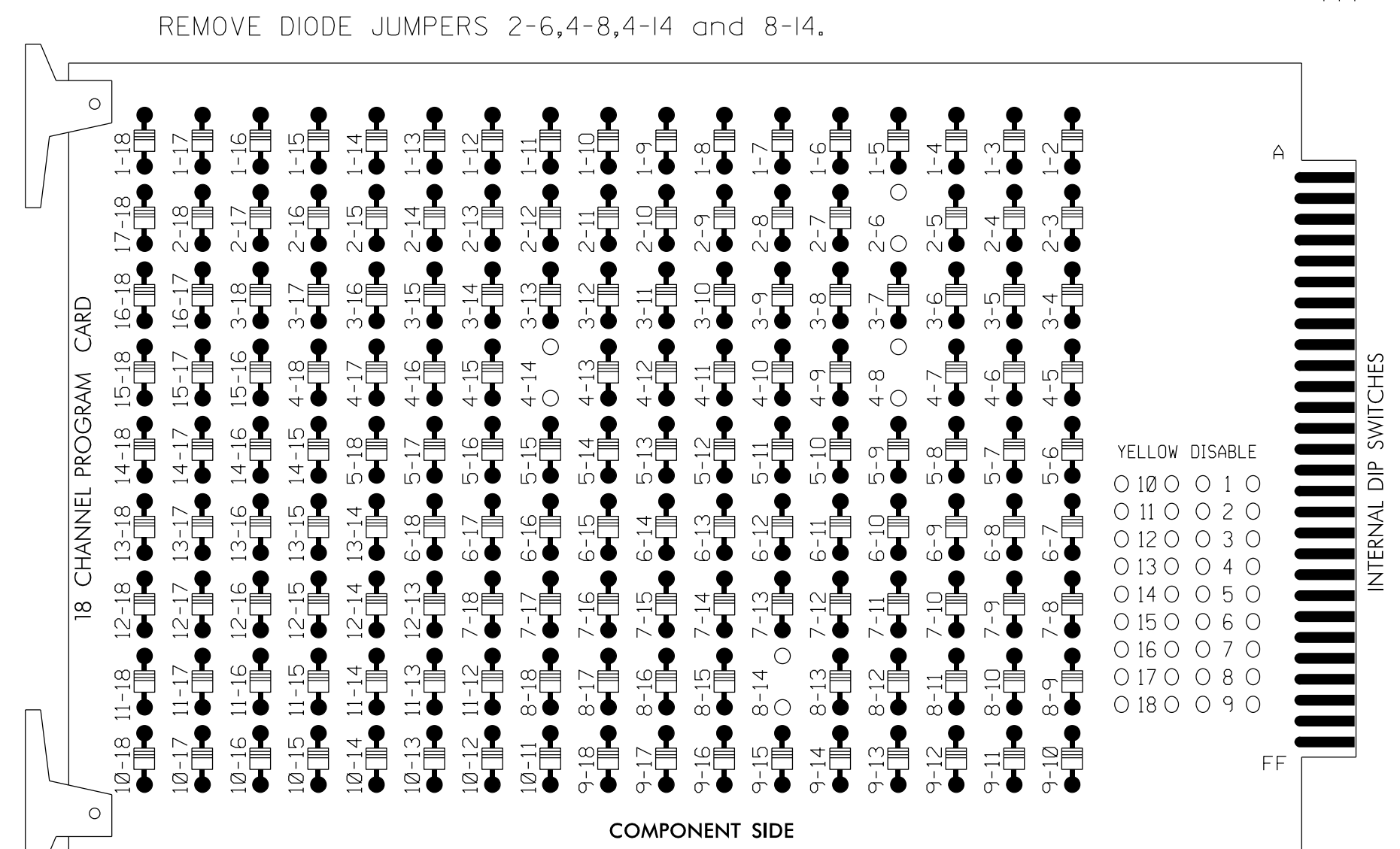


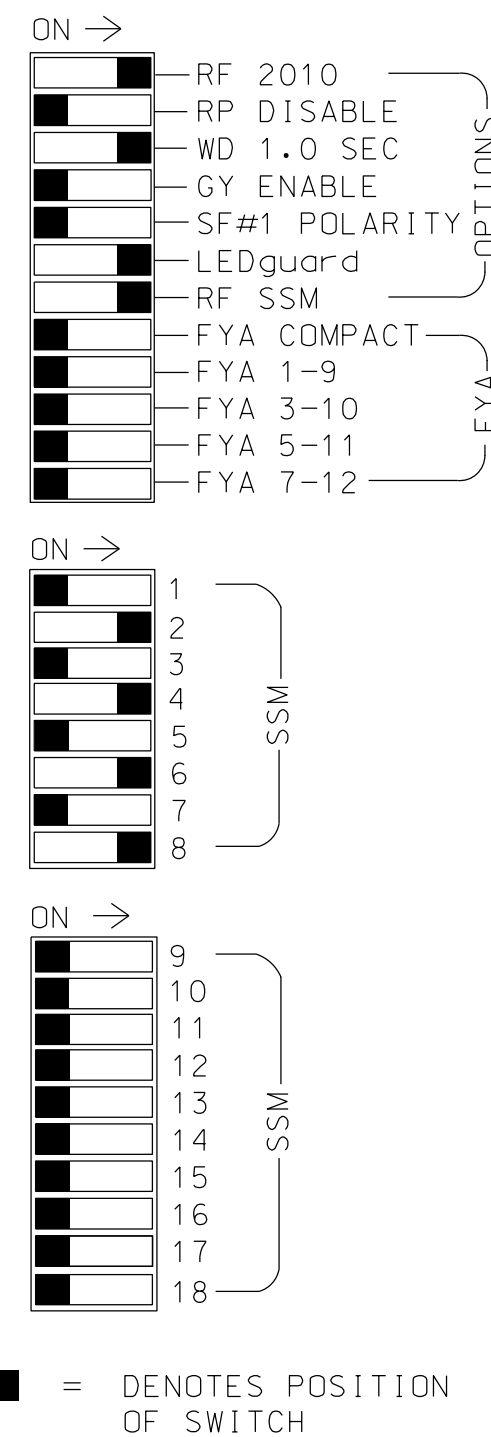
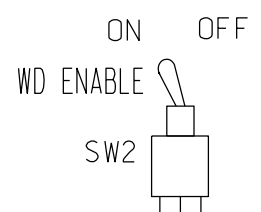
### EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.



### 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. Program phases 4 and 8 for Dual Entry.
3. Enable Simultaneous Gap-Out for all phases.
4. Program phases 2 and 6 for Variable Initial and Gap Reduction.
5. Program phases 2 and 6 for Start Up In Green.
6. Program phase 4 for 'STARTUP PED CALL'.
7. Program phases 2 and 6 for Yellow Flash.
8. The cabinet and controller are part of the High Point Signal 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,S5,\*S6,S8,S11,\*S12  
 PHASES USED.....2,4,4PED,6,8  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....NOT USED

\*PED Yellow used for School Flashers  
 \*\* Aux file to be installed for future use

PROJECT REFERENCE NO.	SHEET NO.
C-5558	Fig. 210.1

### 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	FLASH OUTPUT	5	6	6 PED	7	8	8 PED	FLASH OUTPUT	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	22,23	NU	NU	41,42	P41, P42	101, 103	NU	62,63	NU	NU	81,82	NU	102, 104	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																				
FLASHING YELLOW ARROW																				
GREEN ARROW																				
PED YELLOW							104							** 105						
													*							

NU = Not Used  
 \* Denotes install load resistor. See load resistor installation detail this sheet.  
 \*\* S6-Y and S12-Y are used for the School Flasher. See sheet 2 for wiring and programming details.

### INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 2	∅ 2	∅ 2	∅ 2	∅ 4	∅ 4	∅ 4	∅ 4	SYS. DET. S1	∅ 4	∅ 4	∅ 4	∅ 4	FS DC ISOLATOR
L	2A	2C	NOT USED	2B	4A	4C	4B	4D	SYS. DET. S2	4E	4F	4G	4H	DC ISOLATOR
U	∅ 6	∅ 6	∅ 6	∅ 6	∅ 8	∅ 8	∅ 8	∅ 8	SYS. DET. S3	∅ 8	∅ 8	∅ 8	∅ 8	FS DC ISOLATOR
L	6A	6C	NOT USED	6B	8A	8C	8B	8D	SYS. DET. S4	8E	8F	8G	8H	DC ISOLATOR

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

FS = FLASH SENSE  
 ST = STOP TIME  
 PRE = PREEMPT

### INPUT FILE CONNECTION & PROGRAMMING CHART

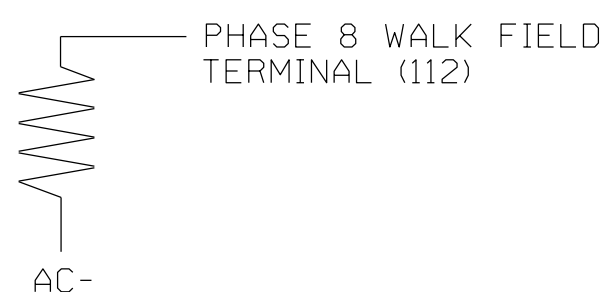
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
2C	TB2-9,10	I3U	63	25	32	2	Y	Y	Y		3
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			
* S1	TB6-9,10	I9U	60	22	11	SYS	-	-			
* S2	TB6-11,12	I9L	62	24	13	SYS	-	-			
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
6C	TB3-9,10	J3U	64	26	36	6	Y	Y	Y		3
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			
* S3	TB7-9,10	J9U	59	21	15	SYS	-	-			
* S4	TB7-11,12	J9L	61	23	17	SYS	-	-			
PED PUSH BUTTONS											
P41,P42	TB8-5,6	I12L	69	31		PED 4	4	PED			

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

### LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown below)

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



INPUT FILE POSITION LEGEND: J2L



Signal Upgrade - Electrical Sheet 1 of 2

Department of Transportation  
211 S. Hamilton Street  
High Point, NC 27260

## Johnson Street at Oakview Road

Division 07 Guilford County High Point

PLAN DATE: April 2014 REVIEWED BY: LM Moon

PREPARED BY: AM Encarnacion REVIEWED BY: MB Toth

DocuSigned by:  
**Melissa B. Toth**  
6/5/2015