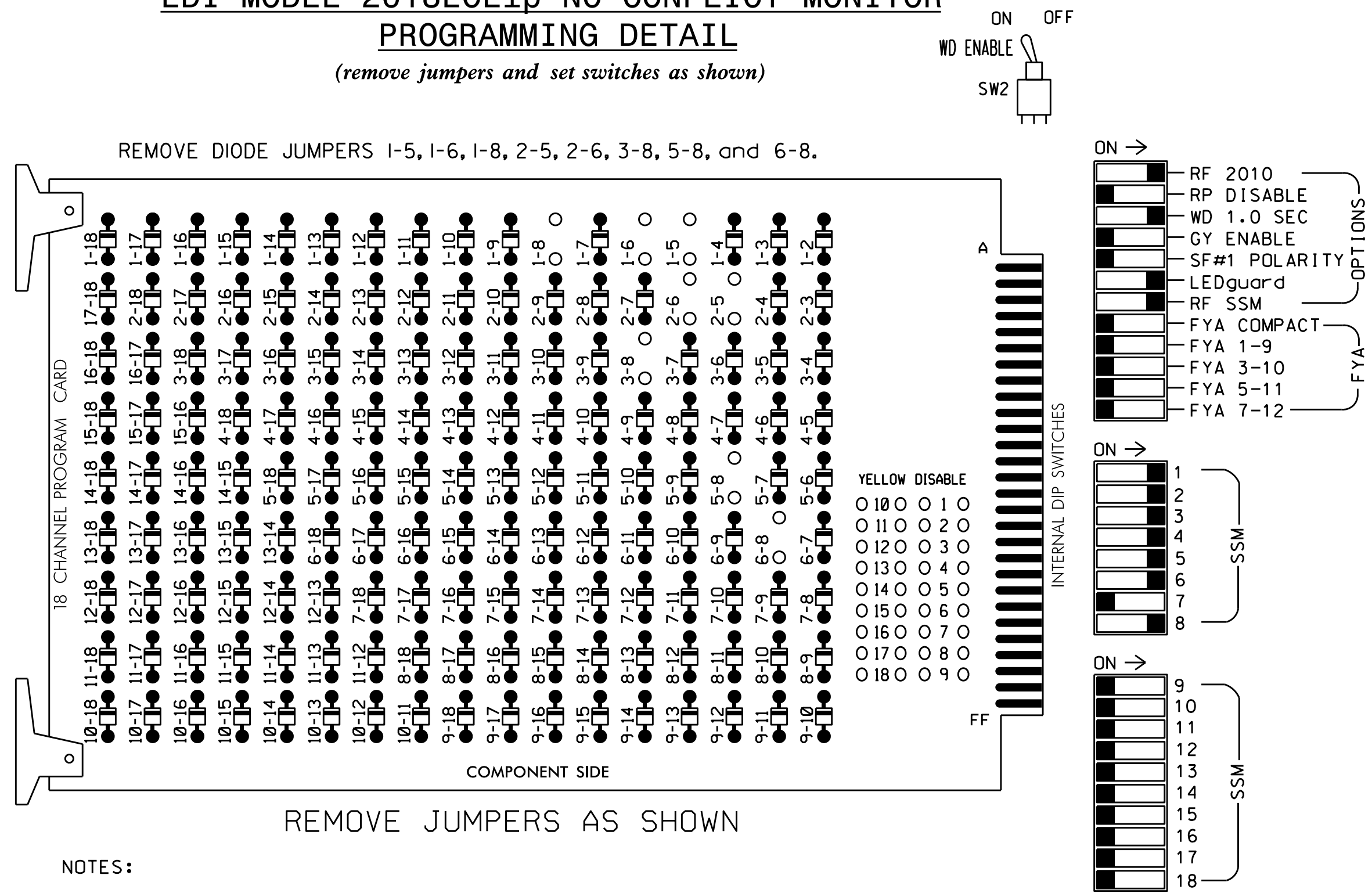


### EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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. Integrate monitor with Ethernet network in cabinet.

**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 phases 2 and 6 for volume density operation.
4. Program controller to start up in phase 2 Green and 6 Green.
5. The cabinet and controller are part of the Concord Mills Blvd. CLS.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 CABINET.....332  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S11  
 PHASES USED.....1,2,3,4,5,6  
 OVERLAP E.....1+3

**SIGNAL HEAD HOOK-UP CHART**

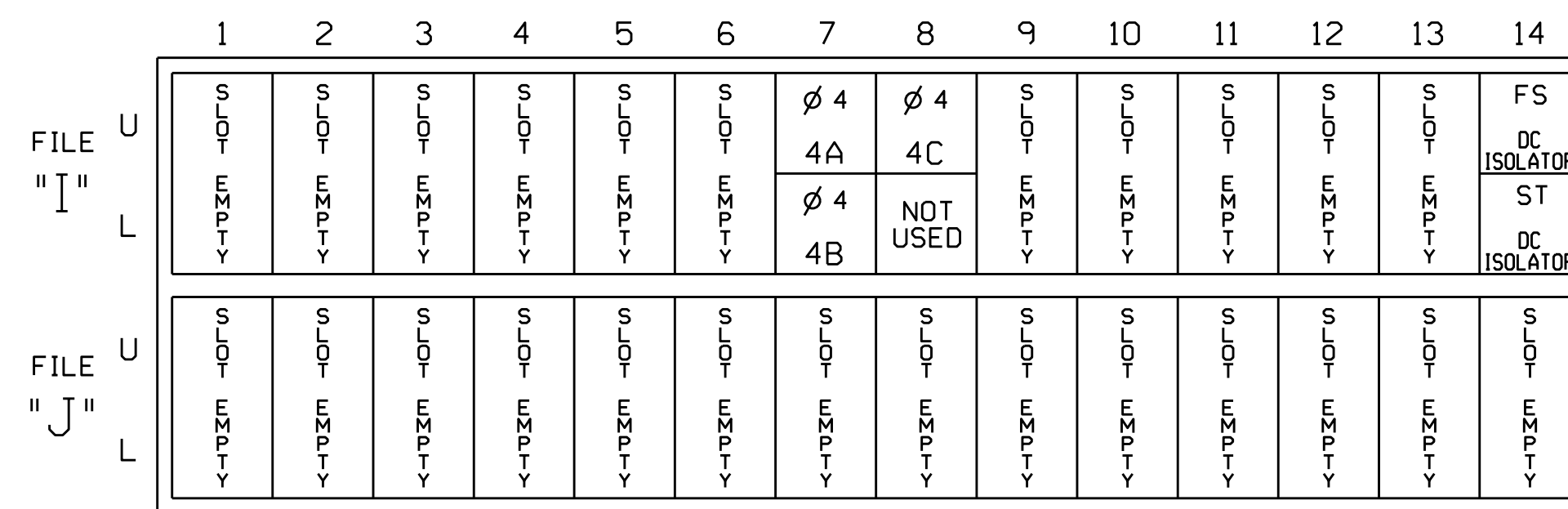
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12			
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16			
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	OLE	8 PED			
SIGNAL HEAD NO.	11,12	21,22	NU	22	31	32	41,42	43,44	63	NU	51	61,62 63	NU	33,34	NU
RED		128		116	116		101				134			107	
YELLOW		129		117	117		102				135				
GREEN		130		118	118		103				136				
RED ARROW	125						101				131				
YELLOW ARROW	126			117			102		102		132			108	
GREEN ARROW	127			118	118		103		103		133			109	

NU = Not Used

NOTE: The output for load switch S11 has been reassigned. See sheet 2 for details.

**INPUT FILE POSITION LAYOUT**

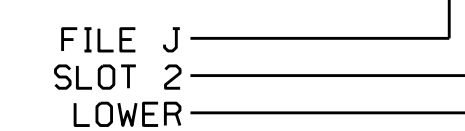
(front view)



**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
4A	TB6-1,2	17U	65	34	4	YES			S
4B	TB6-3,4	17L	78	44	4	YES			S
4C	TB6-5,6	18U	49	24	4	YES		10	S

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-1732T1  
 DESIGNED: July 2017  
 SEALED: 9/25/2017  
 REVISED: N/A

**SPECIAL DETECTOR NOTE**

Install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans for the following loops: 1A, 1B, 1C, 1D, 2A, 2B, 2C, 2D, 3A, 3B, 5A, 6A, 6B, 6C, 6D, 6E, & 6F.

Electrical Detail - Temp Design 1 - Phase I - Sheet 1 of 2

Electrical and Programming Details For: **SR 2894 (Concord Mills Blvd.) at Concord Mills Entrance/ Shopping Center Entrance**

Prepared In the Offices of: **Signal Management Solutions**

750 N. Greenfield Pkwy, Garner, NC 27529

Division 10 Cabarrus County Concord

PLAN DATE: September 2017 REVIEWED BY:

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: **Keith M. Mins** 9/26/2017

2607686BC03445 DATE

SIG. INVENTORY NO. 10-1732T1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

**KEITH M. MINS**  
 PROFESSIONAL ENGINEER  
 036880

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