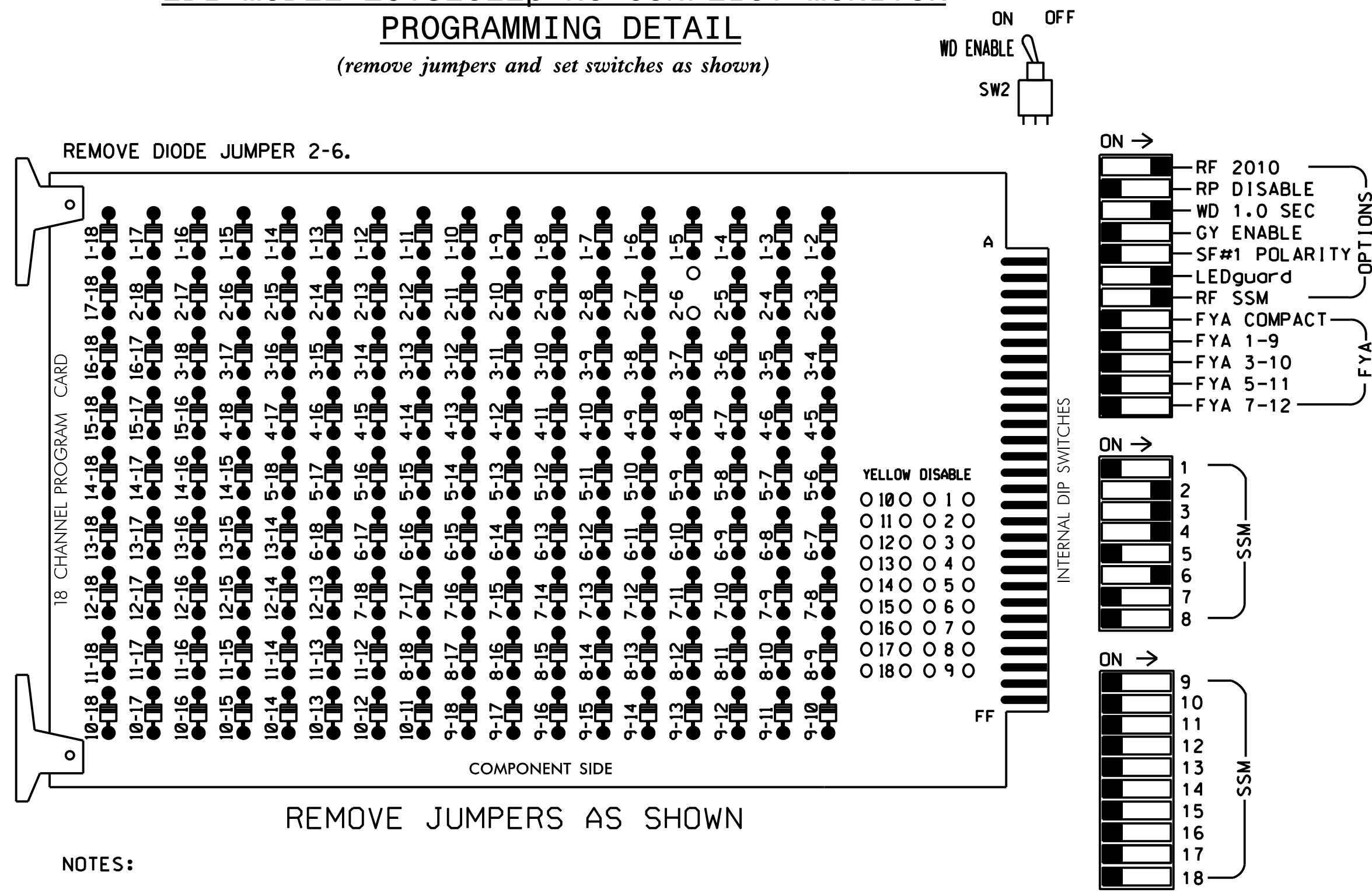


**EDI MODEL 2018EClip-NC CONFLICT MONITOR
PROGRAMMING DETAIL**

(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.
- Ensure Conflict Monitor Ethernet port is connected to a Switch port located within the 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.
 - Initialize database in Naztec 2070 local software (Apogee) as FULL-CALTRANS. This initialization should be done prior to programming controller.
 - Initialize I/O "C1-C11-ABC IO Mode" to USER (MM 1-8-6). Then set "Init 2A" to MODE 5 (MM 1-8-9-3).
 - Program phases 2 and 6 for Start Up In Green.
 - Program "Start Up Flash" for 0 sec. The conflict monitor will govern start-up flash time.
 - Ensure "Local Flash Start" feature is set to "DRK".
 - Program controller to provide a 1 second delay on the Flash Sense/Local Flash input. Use the following logic statement to provide this functionality:

```
FROM MAIN MENU->1->8->7 (I/O LOGIC)
Result Src.Fcn  } TimeOp Time
1208 = 01208    } DLY 1
```
 - The cabinet and controller are part of the City of Greensboro Signal System.

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	8	8 PED
SIGNAL HEAD NO.	NU	21,22,23	NU	31,32,33	41,42	NU	NU	61,62,63	NU	NU	NU	NU
RED		128		116	116	101	101		134			
YELLOW		129		117	117	102	102		135			
GREEN		130		118	118	103	103		136			
RED ARROW												
YELLOW ARROW												
GREEN ARROW				118	103							
Hand												
Person												

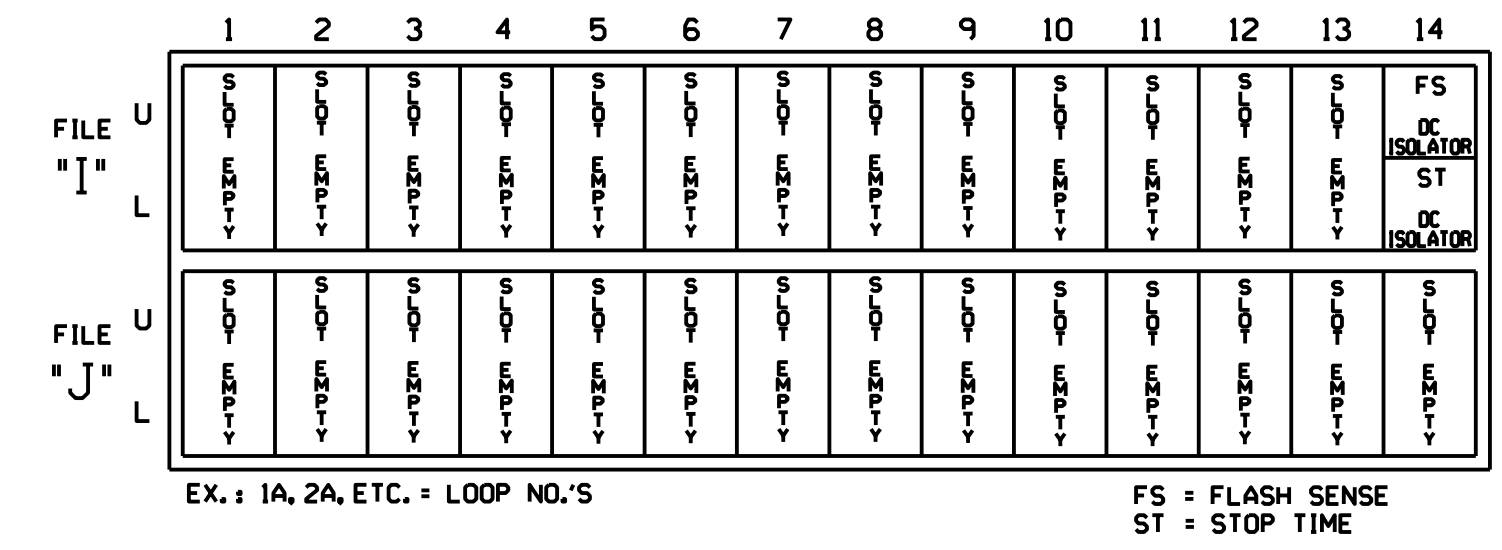
NU = Not Used

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332
 SOFTWARE.....NAZTEC APOGEE
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S2,S4,S5,S8
 PHASES USED.....2,3,4,6
 OVERLAPS.....NONE

INPUT FILE POSITION LAYOUT

(front view)



SPECIAL DETECTOR NOTE

Install a video detection system for vehicle detection. Perform installation according to manufacturer's recommendations and NCDOT engineer-approved mounting location(s) to accomplish the detection schemes shown on the Signal Design Plans.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-2026T1
 DESIGNED: January 2023
 SEALED: 1-18-2023
 REVISED:

Electrical Detail

MOTT MACDONALD
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 Suite 115
 Fuquay-Varina, NC 27526
 www.mottmac.com
 License No. F-0669

ELECTRICAL AND PROGRAMMING DETAILS FOR:
 Prepared for the Offices of:

SR 1115 (Rehobeth Church Road) at I-85 Bus. SB Ramp/ SR 1467 (Tolar Drive)

Division 7	Gulford County	Greensboro
PLAN DATE: November 2021	REVIEWED BY: BAL	
PREPARED BY: INA	REVIEWED BY: RWT	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 032711
 RUSSELL W. THOMPSON

DocuSign
 Russell W. Thompson
 DATE
 SIG. INVENTORY NO. 07-2026T1

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