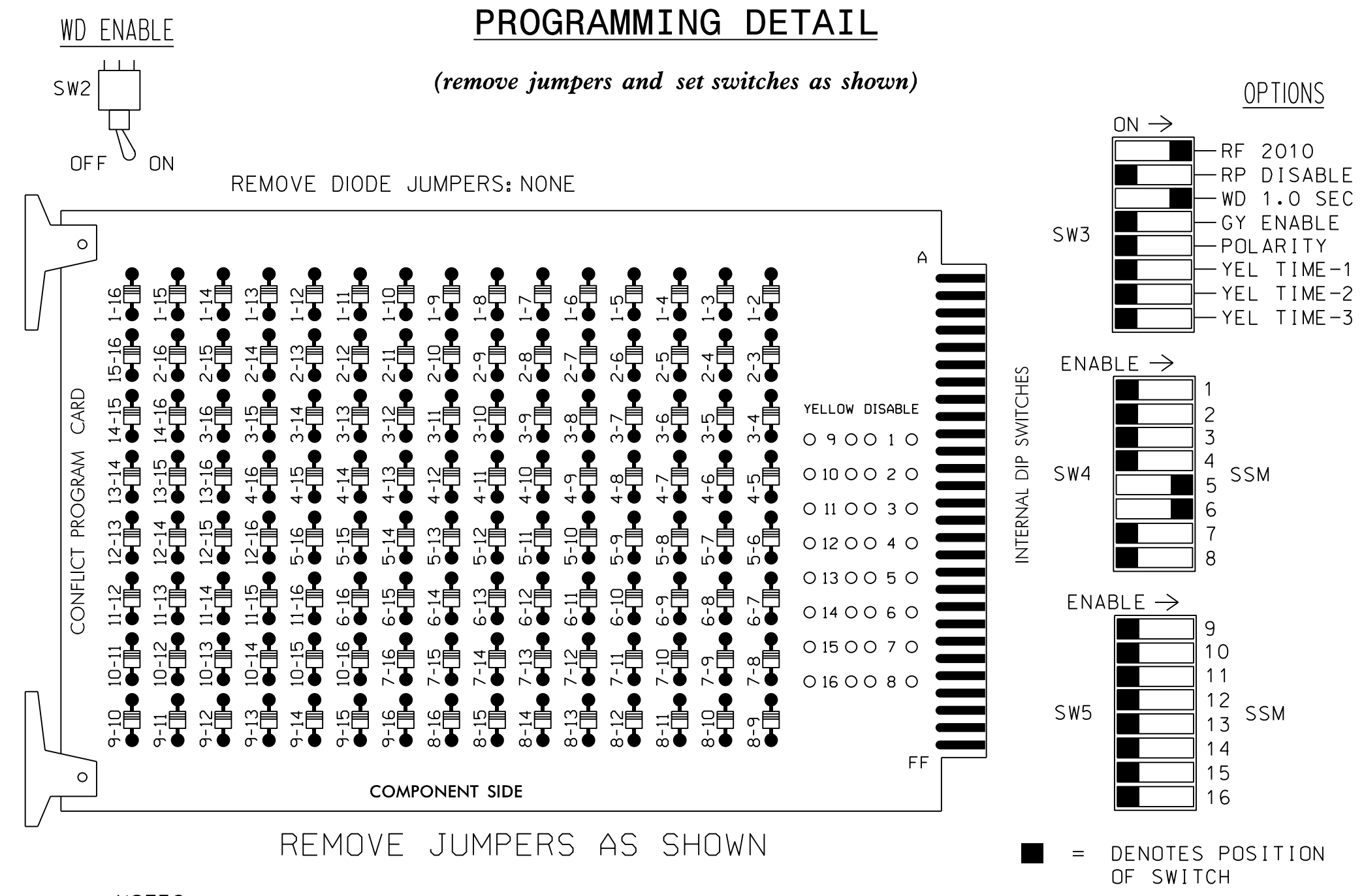


EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL



- NOTES:
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
 - Make sure jumpers SEL2-SEL5 are present on the monitor board.

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.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,2,3,4,7,8,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program controller to start up in phase 6 Green.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of Signal System D06-24 Lumberton, NC 41-72 (Second St.)

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	NU	NU	NU	NU	NU	51,54	52,53	61,62	NU	NU	NU
RED								131	134			
YELLOW								132	135			
GREEN								133	136			
RED ARROW								131				
YELLOW ARROW								132				
GREEN ARROW								133				

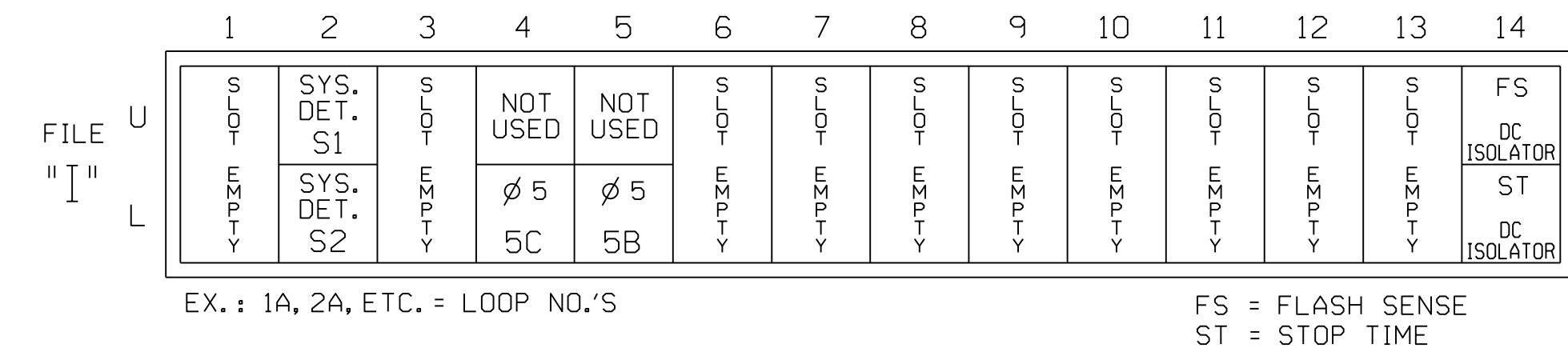
NU = Not Used

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....336
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....POLE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S5,S6
 PHASES USED.....5,6
 OVERLAPS.....NONE

INPUT FILE POSITION LAYOUT

(front view)

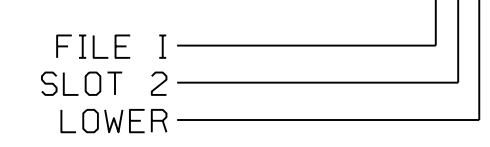


INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
5B	TB23-9,10	I5L	48	26	5	YES				N
5C	TB21-7,8	I4U	41	4	5	YES				N
* S1	TB21-3,4	I2U	39	2	SYS	NO				N
* S2	TB23-3,4	I2L	43	12	SYS	NO				N

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

INPUT FILE POSITION LEGEND: I2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0331T
 DESIGNED: JULY 2022
 SEALED: FEBRUARY 2023
 REVISED: N/A

DETECTOR NOTES

- Install a video detection system for vehicle detection for loops 5A and 5D. 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 all other loops, detector card placements are as illustrated above in the "INPUT FILE POSITION LAYOUT" chart.

Electrical Detail - Temporary Design

NC 72 (West Fifth St.)/
 (West Second St.)
 at
 SR 1600 (West Fifth St.)
 Division 6 Robeson County Lumberton

PLAN DATE: FEBRUARY 2023 REVIEWED BY: R M Muncey

PREPARED BY: D. Waller REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIGNATURE: _____ DATE: 2/2/2023

SIG. INVENTORY NO. 06-0331T

4:00:00 PM U:\Traffic\Signal\Signal\Signal\Temporary Design\B-5985A\B-5985A.dwg User:rmuncey