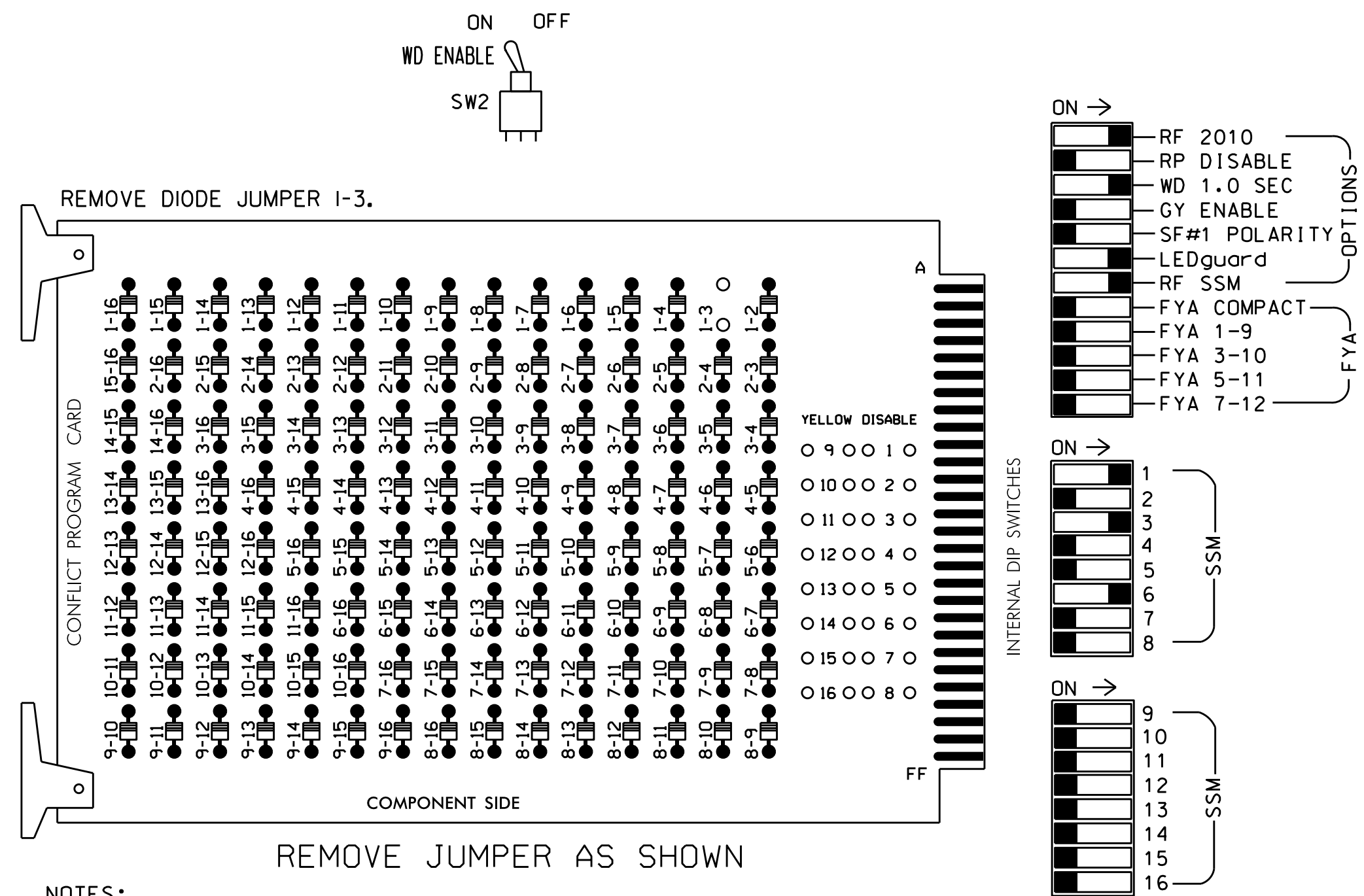


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumper 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. Make sure jumpers SEL2-SEL5 are present on the monitor board.

■ = DENOTES POSITION OF SWITCH

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. 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 2,4,5,7,8, 9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
3. Enable Simultaneous Gap-Out for all Phases.
4. Program phase 6 for Variable Initial and Gap Reduction.
5. Program phase 6 for Startup In Green.
6. Program phase 6 for Yellow Flash.
7. If this signal will be managed by an ATMS software, enable controller and detector logging for all enabled detectors.
8. The cabinet and controller are part of the US 17 (Ocean Hwy) - Leland Superstreet D03-12_Leland.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S3,S6
 PHASES USED.....3,6
 OVERLAP'G'.....3

SIGNAL HEAD HOOK-UP CHART

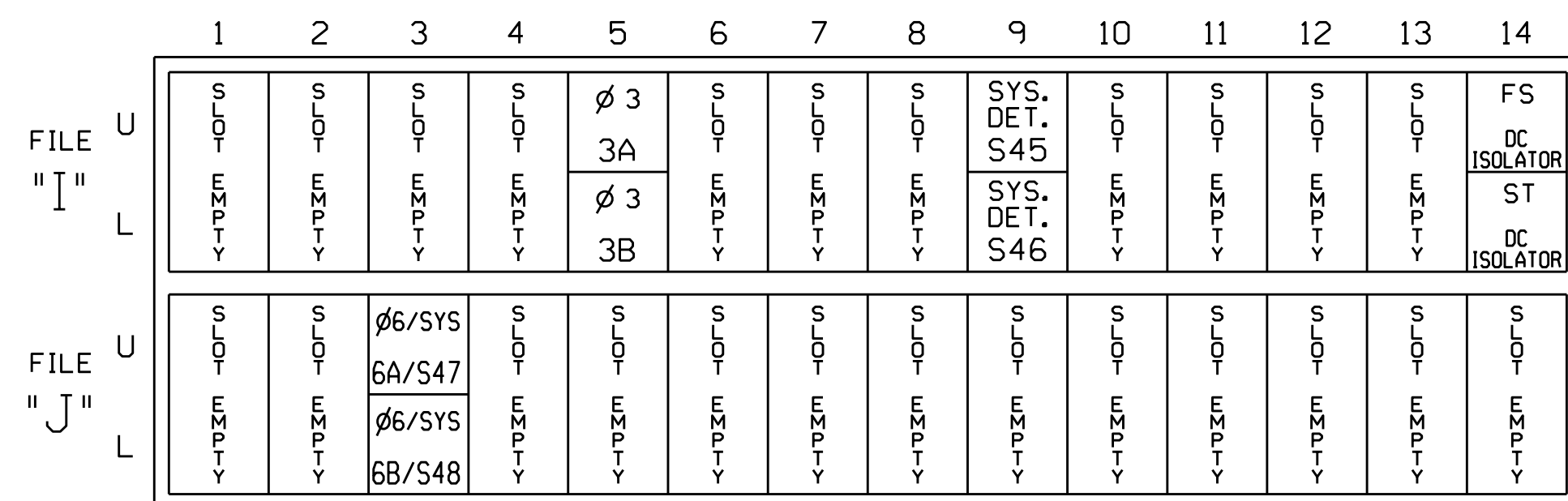
LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	** OLG	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	31,32	NU	NU	33,34	NU	NU	NU	61,62	NU	NU	NU	NU
RED								134				
YELLOW								135				
GREEN								136				
RED ARROW	125			116								
YELLOW ARROW	126			117								
GREEN ARROW	127			118								

NU = Not Used

** Requires special programming and output remapping. See sheet 2.

INPUT FILE POSITION LAYOUT

(front view)



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

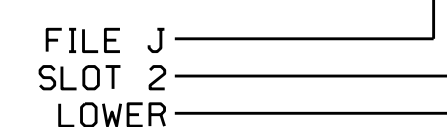
FS = FLASH SENSE
 ST = STOP TIME

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
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			
3B	TB4-7,8	I5L	58	20	3	3	Y	Y			
6A/S47	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y			
6B/S48	TB3-11,12	J3L	77	39	46	6/SYS	Y	Y			
* S45	TB6-9,10	I9U	60	22	11	SYS					
* S46	TB6-11,12	I9L	62	24	13	SYS					

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

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-1003
 DESIGNED: October 2021
 SEALED: 10/27/2021
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	US 17 (Ocean Highway) at Brunswick Forest Drive #2 North U-Turn		SEAL STATE OF NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031001 TODD JOYCE
	Division 3 Brunswick County Leland PLAN DATE: October 2021 REVIEWED BY: PREPARED BY: Zarrar Zafar REVIEWED BY:	REVISIONS: _____ INIT. DATE _____ _____ _____	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:
 D. Todd Joyce 11/3/2021
 SIG. INVENTORY NO. 03-1003

03-1003-2021_08-29
 S:\MITS\SSU\15_Signal\work\hwy\031003_sme.e_2021mdata.dgn
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