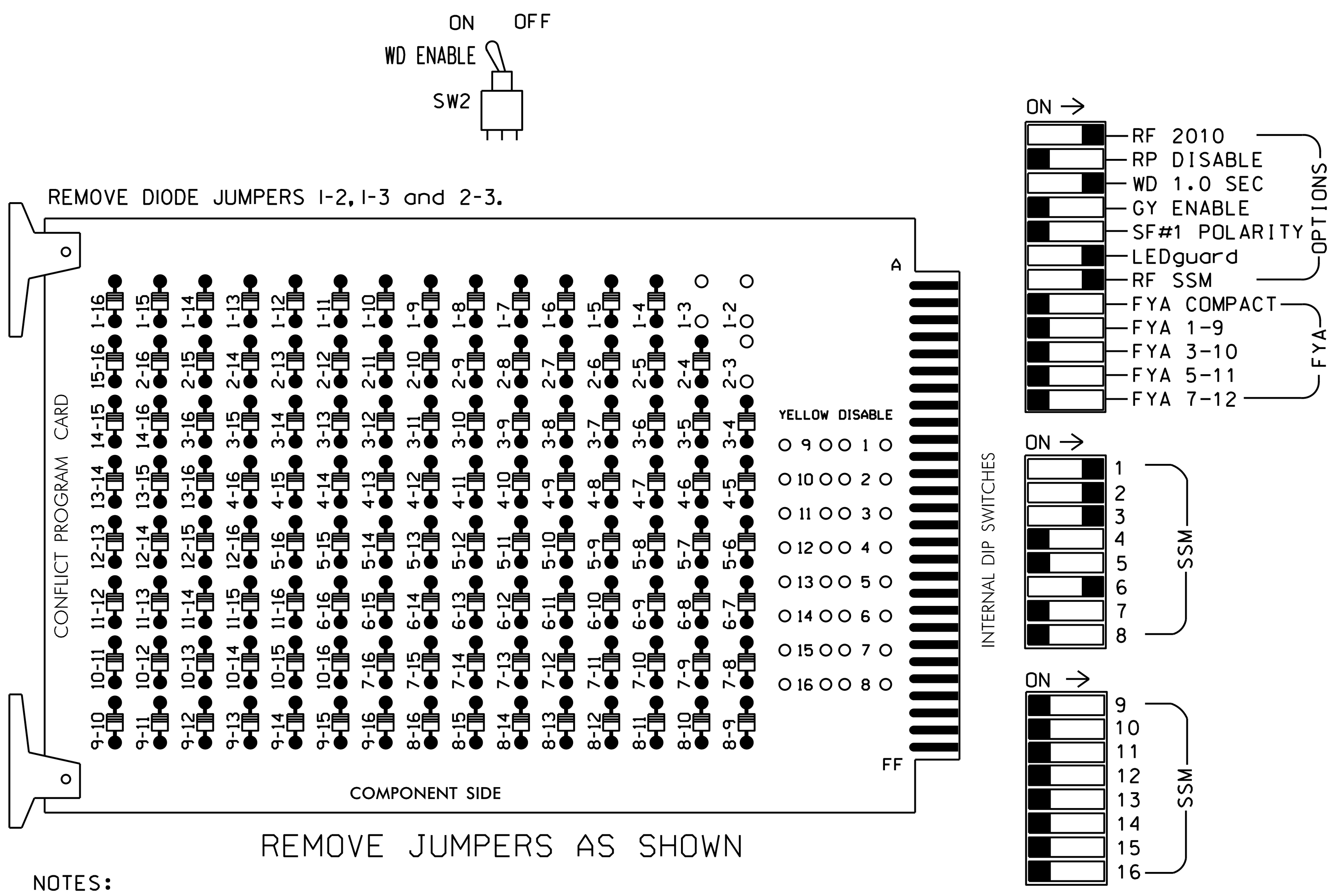
EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



REMOVE JUMPERS 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 4,5,7,8,9, 10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
3. Program phases 3 and 8 for Dual Entry.
4. Enable Simultaneous Gap-Out for all Phases.
5. Program phase 6 for Variable Initial and Gap Reduction.
6. Program phase 6 for Startup In Green.
7. Program phase 6 for Yellow Flash.
8. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
9. The cabinet and controller are part of the US 17 (Ocean Highway) - 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,S2,S3,S6
PHASES USED.............3,6,8
OVERLAP'G'..............3
OVERLAP'H'..............8

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	✱✱ OLG	✱✱ OLH	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	33,34	81,82	NU	31,32	NU	NU	NU	61,62	NU	NU	NU	NU
RED		128		116				134				
YELLOW				117				135				
GREEN				118				136				
RED ARROW	125											
YELLOW ARROW	126	129										
GREEN ARROW	127	130										

NU = Not Used

✱✱ Requires special programming and output remapping. See sheets 2 and 3.

INPUT FILE POSITION LAYOUT

(front view)

FILE		1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	FS DC ISOLATOR
	L														ST DC ISOLATOR
FILE "J"	U	Ø 3 3A	Ø 3 3B	Ø 8 8B	Ø6/SYS 6A/S01	Ø6/SYS 6B/S02	PRE 3 Q1	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY
	L	NOT USED	Ø 8 8A	Ø 8 8C	NOT USED	NOT USED	PRE 3 Q2								

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	TB3-1,2	J1U	55	17	5	3	Y	Y			
3B	TB3-5,6	J2U	40	2	6	3	Y	Y			
✱Q1	TB5-9,10	J6U	42	4	8	PRE3	Y	Y			
✱Q2	TB5-11,12	J6L	46	8	18	PRE3	Y	Y			
6A/S01	TB5-1,2	J4U	48	10	26	6/SYS	Y	Y			
6B/S02	TB5-5,6	J5U	57	19	7	6/SYS	Y	Y			
8A	TB3-7,8	J2L	44	6	16	8	Y	Y			
8B	TB3-9,10	J3U	64	26	36	8	Y	Y			
8C	TB3-11,12	J3L	77	39	46	8	Y	Y			

✱ See Vehicle Detector Programming Detail on sheet 2.

INPUT FILE POSITION LEGEND: J2L

FILE J
SLOT 2
LOWER

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0965
DESIGNED: October 2021
SEALED: 10/25/2021
REVISED:

Electrical Detail - Sheet 1 of 3

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.03.31.10101	Sig.2.1

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared In the Offices of: ITS & Signals Management Section, Transportation Mobility and Safety Division, State of North Carolina Department of Transportation
750 N.Greenfield Pkwy,Garner,NC 27529

US 17 (Ocean Highway)
at
Old Waterford Way

Division 3 Brunswick County Leland

PLAN DATE: October 2021 REVIEWED BY: T. Joyce
PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 031001 ENGINEER D. TODD JOYCE

DocuSigned by: D. Todd Joyce 10/28/2021
DATE

SIG. INVENTORY NO. 03-0965