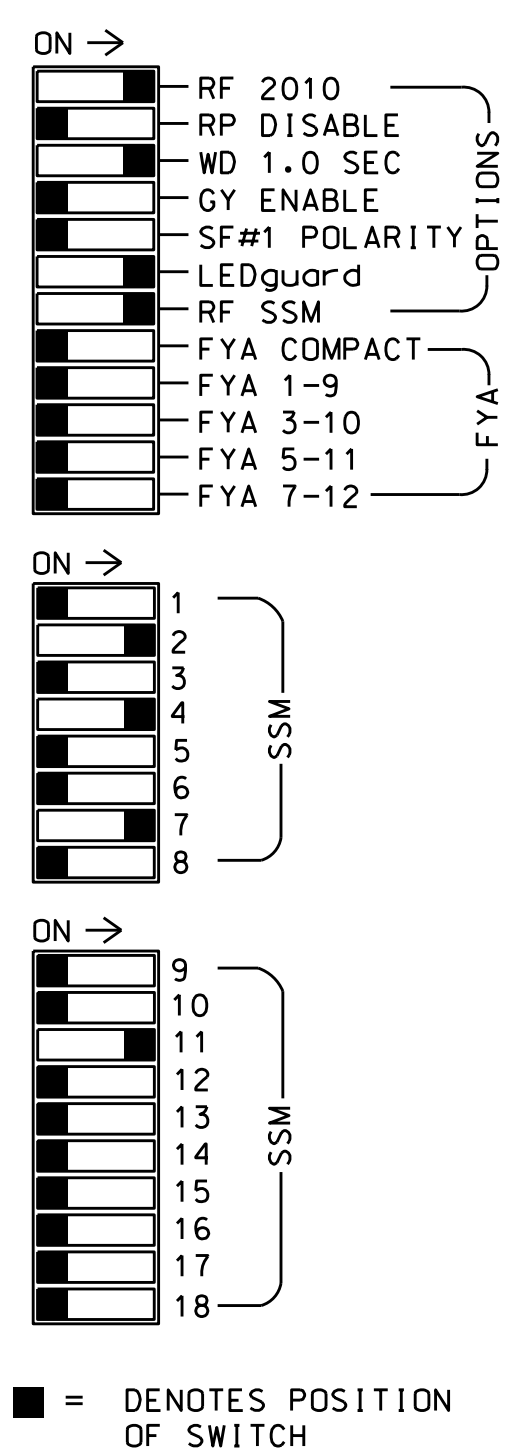
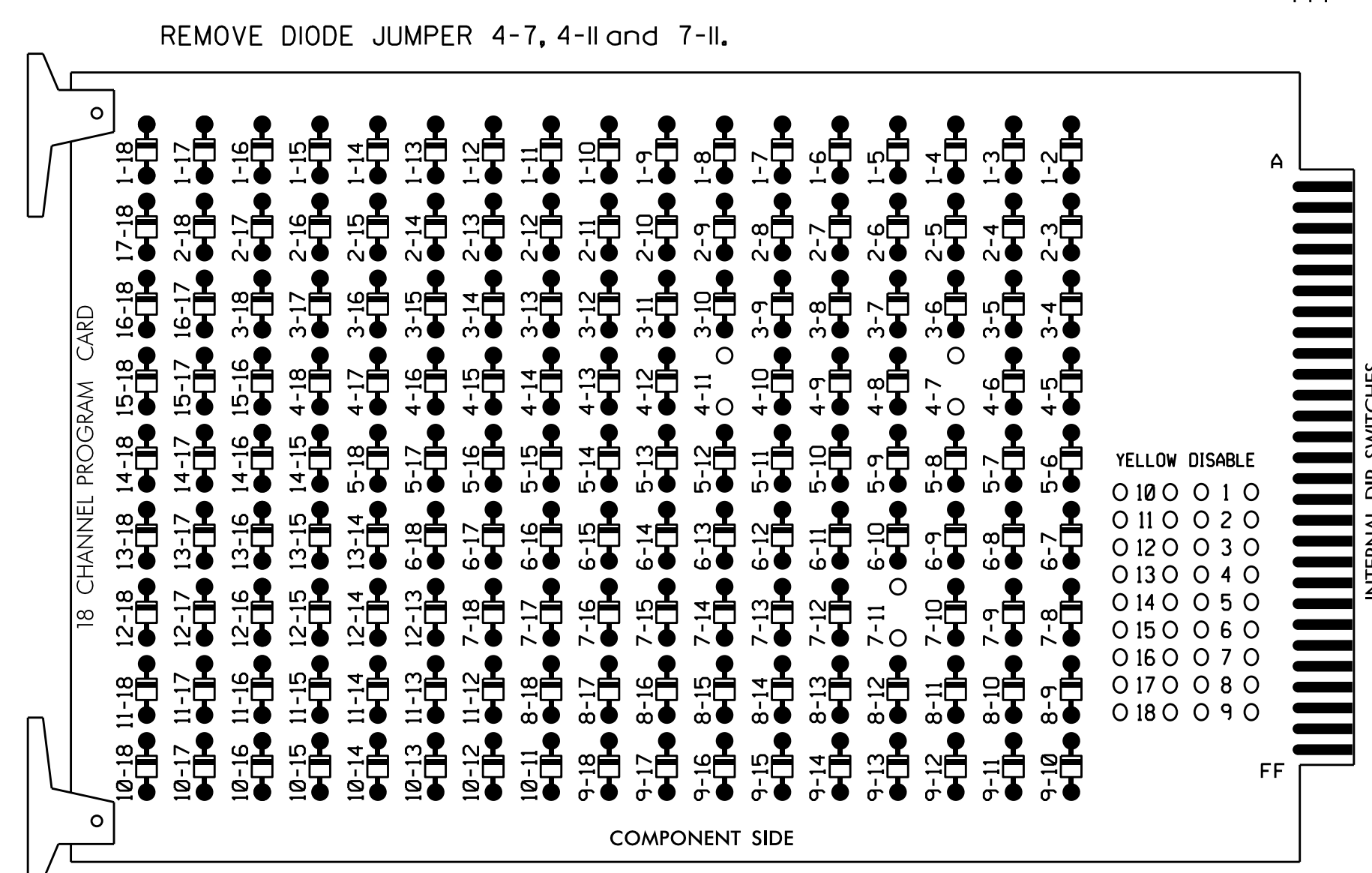


**EDI MODEL 2018ECL-NC CONFLICT MONITOR
PROGRAMMING DETAIL**

(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.
 - Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

- 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.
 - Program phases 4 and 7 for Dual Entry.
 - Enable Simultaneous Gap-Out for all Phases.
 - Program phase 2 for Variable Initial and Gap Reduction.
 - Program phase 2 for Startup In Green.
 - Program phase 2 for Yellow Flash.
 - 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 the US 17 (Ocean Highway) - Leeland Superstreet D03-12 Leeland.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
EMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	NU	NU	73,74	NU	NU	NU	NU	NU	71,72	NU	NU
RED		128														A114		
YELLOW		129														A115		
GREEN		130														A116		
RED ARROW						101				122								
YELLOW ARROW						102				123								
GREEN ARROW						103				124								

NU = Not Used

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S5,S10,AUX S4
 PHASES USED.....2,4,7
 OVERLAP 'A'.....NOT USED
 OVERLAP 'B'.....NOT USED
 OVERLAP 'C'.....7
 OVERLAP 'D'.....NOT USED

OVERLAP PROGRAMMING DETAIL
 (program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS). THEN '1' (VEHICLE OVERLAP SETTINGS).

PRESS '+' TWICE

PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
 PHASE: ;12345678910111213141516
 VEH OVL PARENTS: ; X
 VEH OVL NOT VEH: ;
 VEH OVL NOT PED: ;
 VEH OVL GRN EXT: ;
 STARTUP COLOR: - RED - YELLOW - GREEN
 FLASH COLORS: - RED - YELLOW - GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...N
 GREEN EXTENSION (0-255 SEC).....0
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0
 OUTPUT AS PHASE # (0=NONE, 1-16)....0

OVERLAP PROGRAMMING COMPLETE

INPUT FILE POSITION LAYOUT
 (front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅2/SYS	∅2/S13	∅2/SYS	∅2/SYS	∅4	∅4	∅4	∅4	∅4	∅4	∅4	∅4	∅4	FS
L	∅2/SYS	∅2/S14	∅2/SYS	∅2/SYS	∅4	∅4	∅4	∅4	∅4	∅4	∅4	∅4	∅4	DC ISOLATOR
U	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	FS
L	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	∅7	DC ISOLATOR

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
2A/S13	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y			
2B/S14	TB2-7,8	I2L	43	5	12	2/SYS	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			10
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			15
7A	TB5-5,6	J5U	57	19	7	7	Y	Y			
7B	TB5-7,8	J5L	57	19	7	7	Y	Y			

INPUT FILE POSITION LEGEND: J2L

FILE J _____
 SLOT 2 _____
 LOWER _____

THIS ELECTRICAL DETAIL IS FOR
 THE SIGNAL DESIGN: 03-0969
 DESIGNED: October 2021
 SEALED: 10-26-21
 REVISED: N/A

Electrical Detail

ELABORATED AND PROGRAMMING DETAILS FOR:

Prepared In the Offices of:

US 17 (Ocean Highway) at Ocean Gate Plaza

Division 3 Brunswick County Leeland

PLAN DATE: October 2021 REVIEWED BY:

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Ryan W. Hough 10/28/2021

43022FA2054C3 DATE

SIG. INVENTORY NO. 03-0969

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

STATE OF NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036833 RYAN W. HOUGH

21-0017-2021 13:19
 43022FA2054C3
 J.peterson