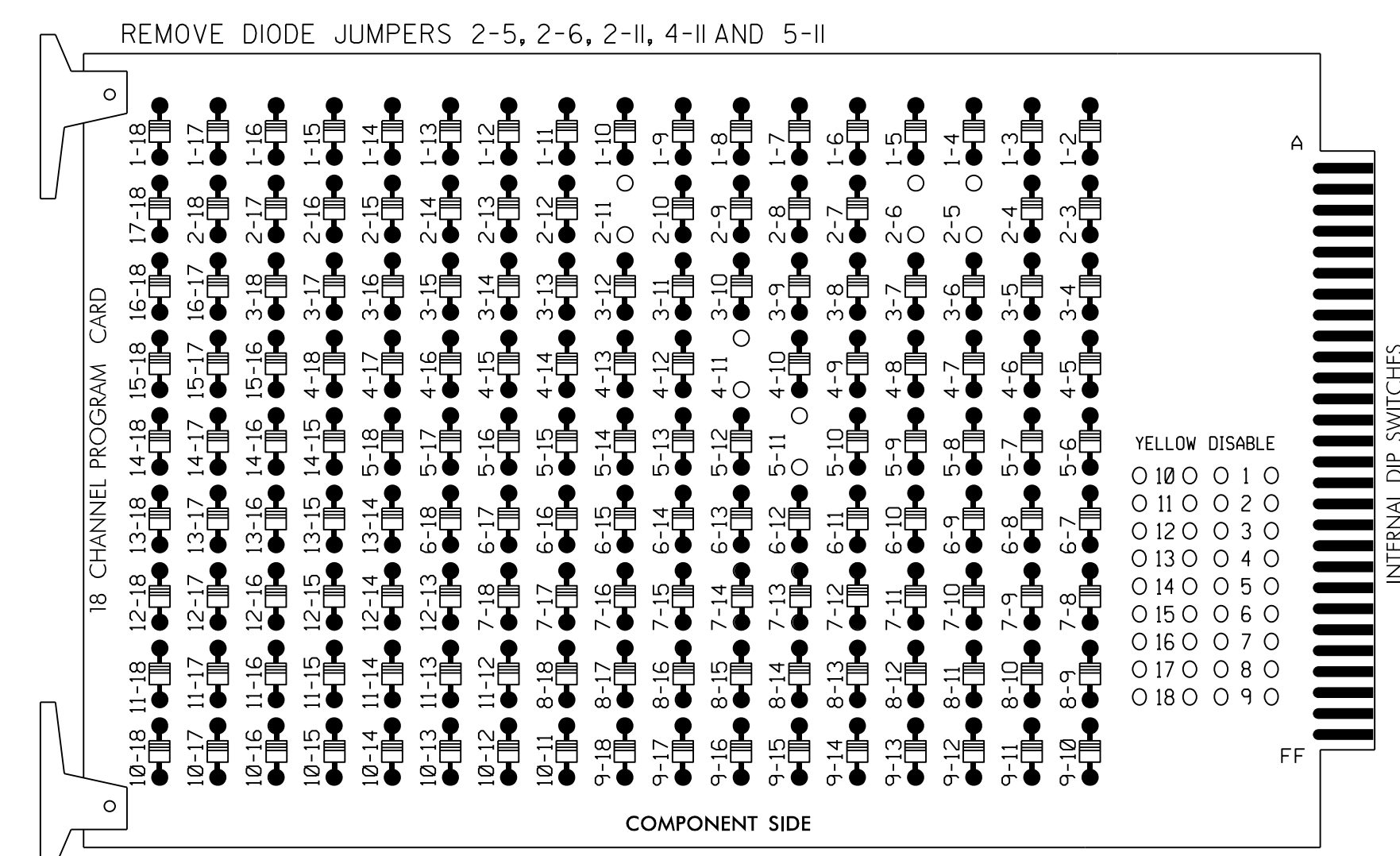


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

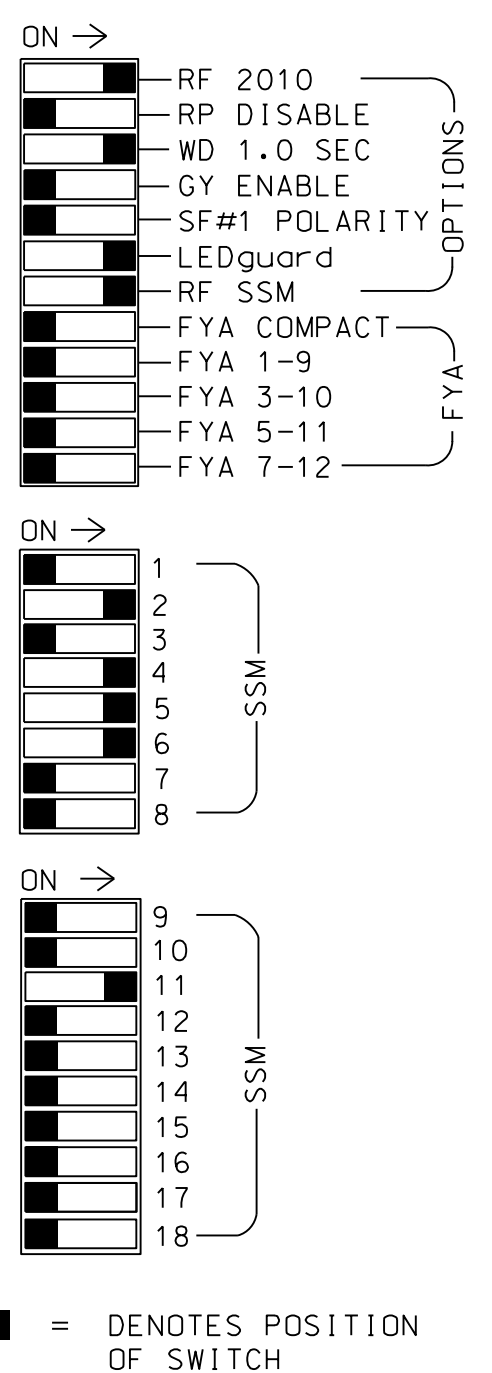
(remove jumpers and set switches as shown)



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. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



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. Program controller to start up in phases 2 and 6 green.
3. Enable simultaneous gap-out feature, on controller unit, for all phases.
4. Program phases 2 and 6, on controller unit, for volume density operation.
5. The cabinet and controller are part of the Raleigh Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....332 W/ AUX
 SOFTWARE.....SE-PAC2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S5,S7,S8,AUX S4
 PHASES USED.....2,4,5,6
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED

* See This Sheet for Overlap programming.

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
CNU 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	NU	51	61	62	NU	NU	NU	NU	NU	NU	42,43	NU	NU
RED		128							134	134						A114		
YELLOW		129							135	135								
GREEN		130																
RED ARROW							101		131									
YELLOW ARROW							102		132								A115	
GREEN ARROW							103		133	136							A116	

NU = Not Used

OVERLAP PROGRAMMING FOR OVERLAP C

1. From Main Menu select 4 - UNIT DATA
2. From UNIT DATA Submenu select 3 - OVERLAP DATA

Use Up/Dn/Left/Right keys to position cursor on the desired Overlap. Use the NEXT key to select the overlap type. Press the ENT key and then program as per the Overlap screen(s) shown.

OVERLAP DATA

A: --- E: --- I: --- M: ---
 B: --- F: --- J: --- N: ---
 C: STD G: --- K: --- O: ---
 D: --- H: --- L: --- P: ---

PREV/NEXT TO CYCLE

OVERLAP C

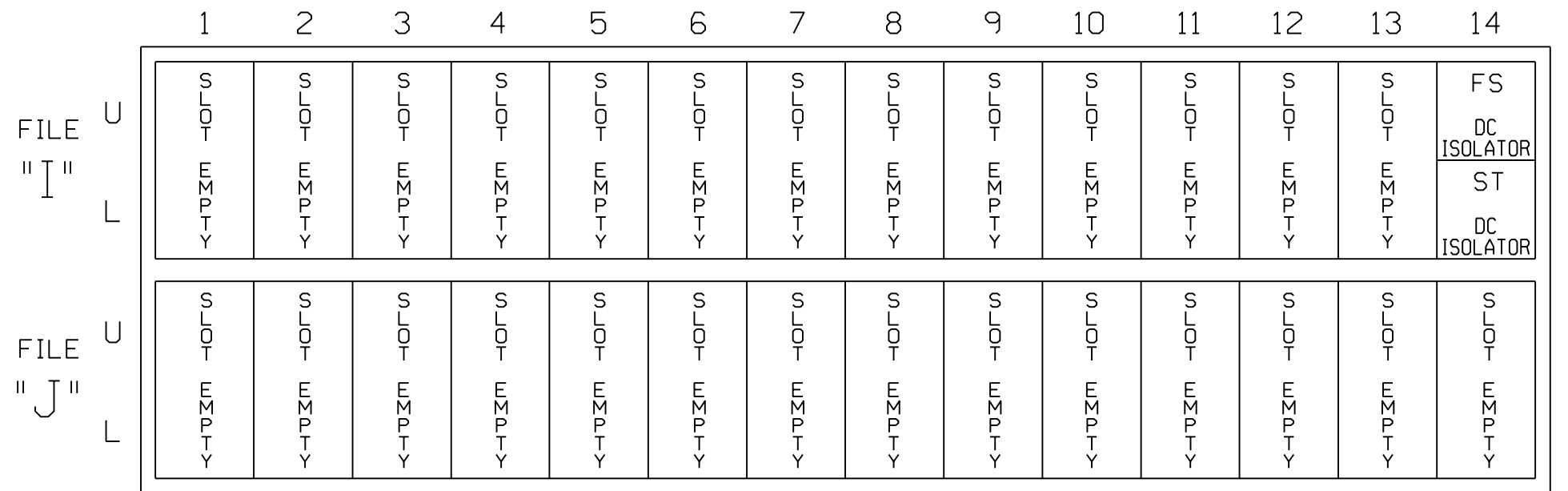
Use Up/Dn/Left/Right keys to position cursor on Overlap 'C', use the NEXT key to select 'STD', then press ENT

OVERLAP - C 12345678 90123456
 PARENTS: 00011000 00000000
 +GRN PHASES: 00000000 00000000
 -G/Y PHASES: 00000000 00000000
 -PED PHASES: 00000000 00000000
 TRAIL GREEN STANDARD: 0 YEL/10: 40
 TRAIL GREEN PREEMPT: 0 YEL/10: 20

END OVERLAP PROGRAMMING

INPUT FILE POSITION LAYOUT

(front view)



SPECIAL DETECTOR NOTE

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

FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO INSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

1. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
2. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
3. REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

THIS ELECTRICAL DETAIL IS FOR
 THE SIGNAL DESIGN: 05-1252T1
 DESIGNED: Jan 2023
 SEALED: 1/24/2023
 REVISED:



Temporary Design 1 (TMP Phase II)
Electrical Detail

ELECTRICAL AND PROGRAMMING DETAILS FOR:	US 401 (Louisburg Road) at SR 2044 (Ligon Mill Road)	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 034481 HEMANG M. SURTI
Prepared for the Offices of: 	Division 5 Wake County Raleigh	DocuSigned by: Hemang M. Surti 1/24/2023
PLAN DATE: Jan 2023 REVIEWED BY: H.M. Surti	PREPARED BY: A. Ravipati REVIEWED BY:	SIG. INVENTORY NO. 05-1252T1