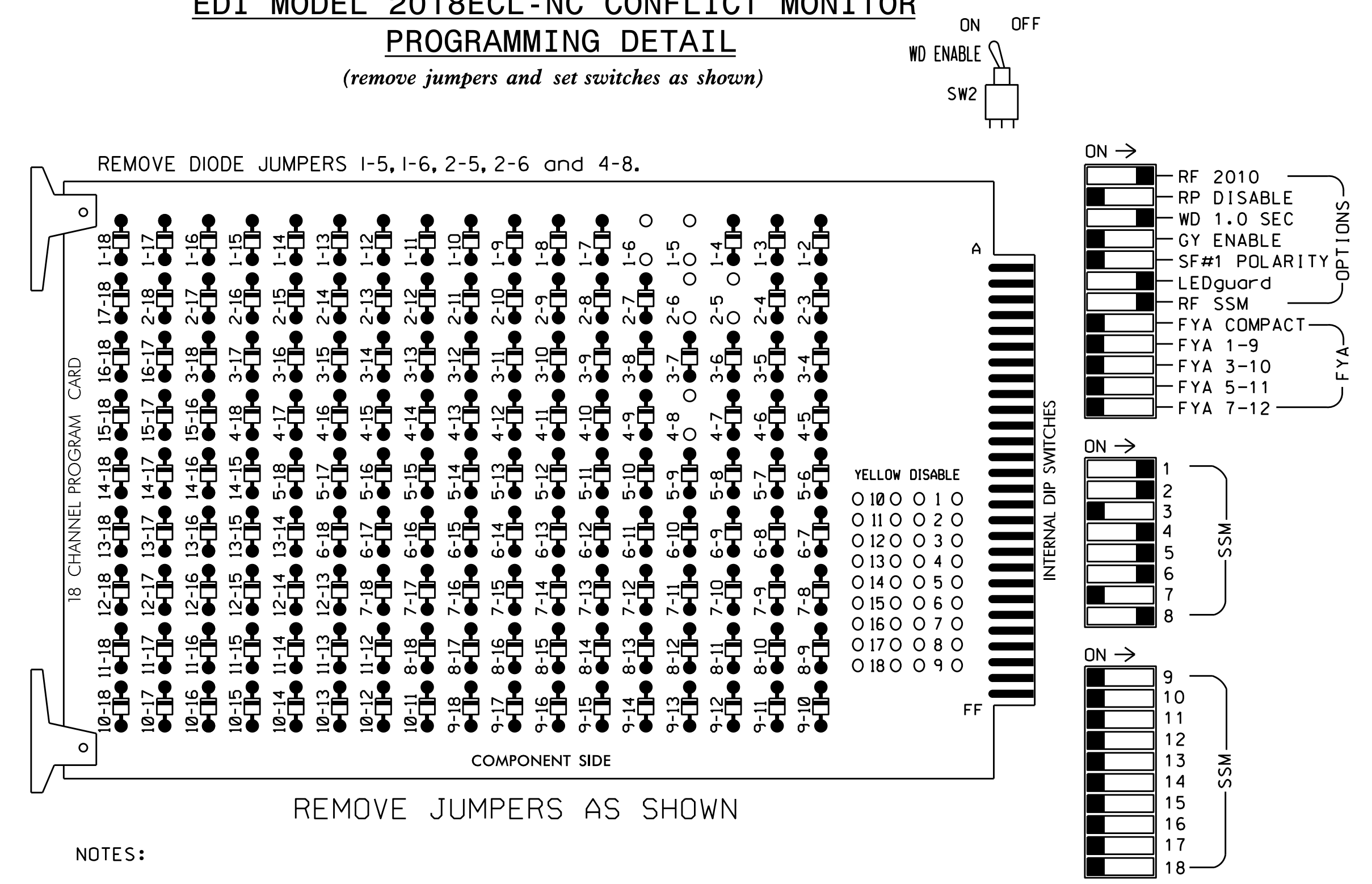


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all Phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Startup In Green.
- Program phases 2 and 6 for Yellow Flash.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....336
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....POLE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,*S3,S5,*S6,S7,
 S8,*S9,S11,*S12
 PHASES USED.....1,2,4,5,6,7,8
 OVERLAPS.....NONE
 *Used for advance beacons.

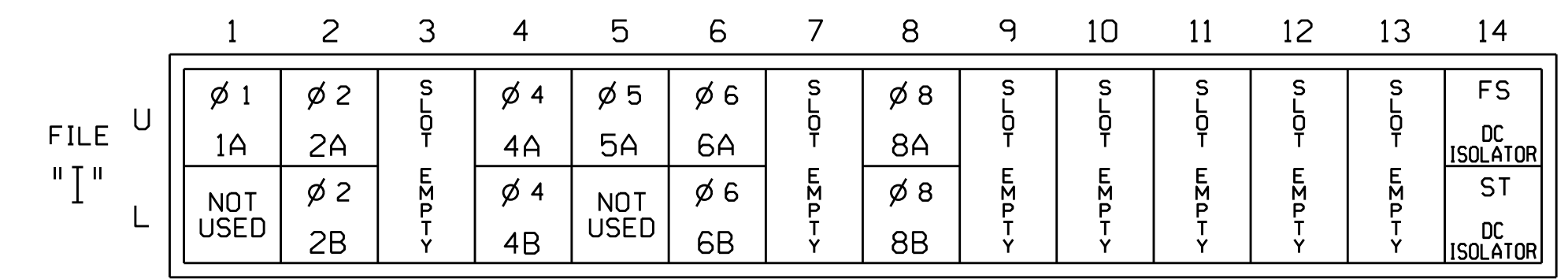
SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	
PHASE	1	2	2 PED ADVANCE BEACON	3	4	4 PED ADVANCE BEACON	5	6	6 PED ADVANCE BEACON	7	8	8 PED ADVANCE BEACON	
SIGNAL HEAD NO.	11	21,22	NU	23,25	NU	41,42	NU	24,26	51	61,62	NU	63,65	
RED		128			101				134			107	
YELLOW		129			102				135			108	
GREEN		130			103				136			109	
RED ARROW	125							131					
YELLOW ARROW	126							132					
GREEN ARROW	127							133					
PED YELLOW			**	114		**	105		**	120		**	111
			*			*			*			*	

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 ** A Special Advanced Beacon is wired to S3-Y,S6-Y, S9-Y and S12-Y. See wiring and programming detail on Sheet 2 of this electrical detail.

INPUT FILE POSITION LAYOUT

(front view)



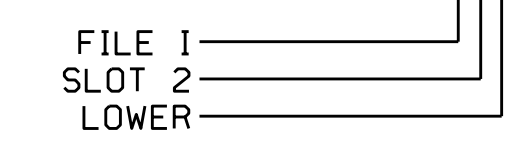
EX. : 1A, 2A, ETC. = LOOP NO.'S

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
1A	TB21-1,2	I1U	56	18	1	1	Y	Y			
2A	TB21-3,4	I2U	39	1	2	2	Y	Y			
2B	TB23-3,4	I2L	43	5	12	2	Y	Y			
4A	TB21-7,8	I4U	41	3	4	4	Y	Y			5
4B	TB23-7,8	I4L	45	7	14	4	Y	Y			15
5A	TB21-9,10	I5U	55	17	5	5	Y	Y			
6A	TB21-11,12	I6U	40	2	6	6	Y	Y			
6B	TB23-11,12	I6L	44	6	16	6	Y	Y			
8A	TB22-1,2	I8U	42	4	8	8	Y	Y			5
8B	TB24-1,2	I8L	46	8	18	8	Y	Y			15

INPUT FILE POSITION LEGEND: I2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-1441
 DESIGNED: June 2019
 SEALED: 6-27-19
 REVISED: N/A

Electrical Detail - Temp. - Sheet 1 of 2

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 70
at
SR 1907 (Strictland Rd.)

Division 4 Johnston County Clayton

PLAN DATE: June 2019 REVIEWED BY:

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS: _____ INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DocuSigned by:
Ryan W. Hough
6/27/2019

SIG. INVENTORY NO. 04-1441

27-000-2019-11-19
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 J. Peterson