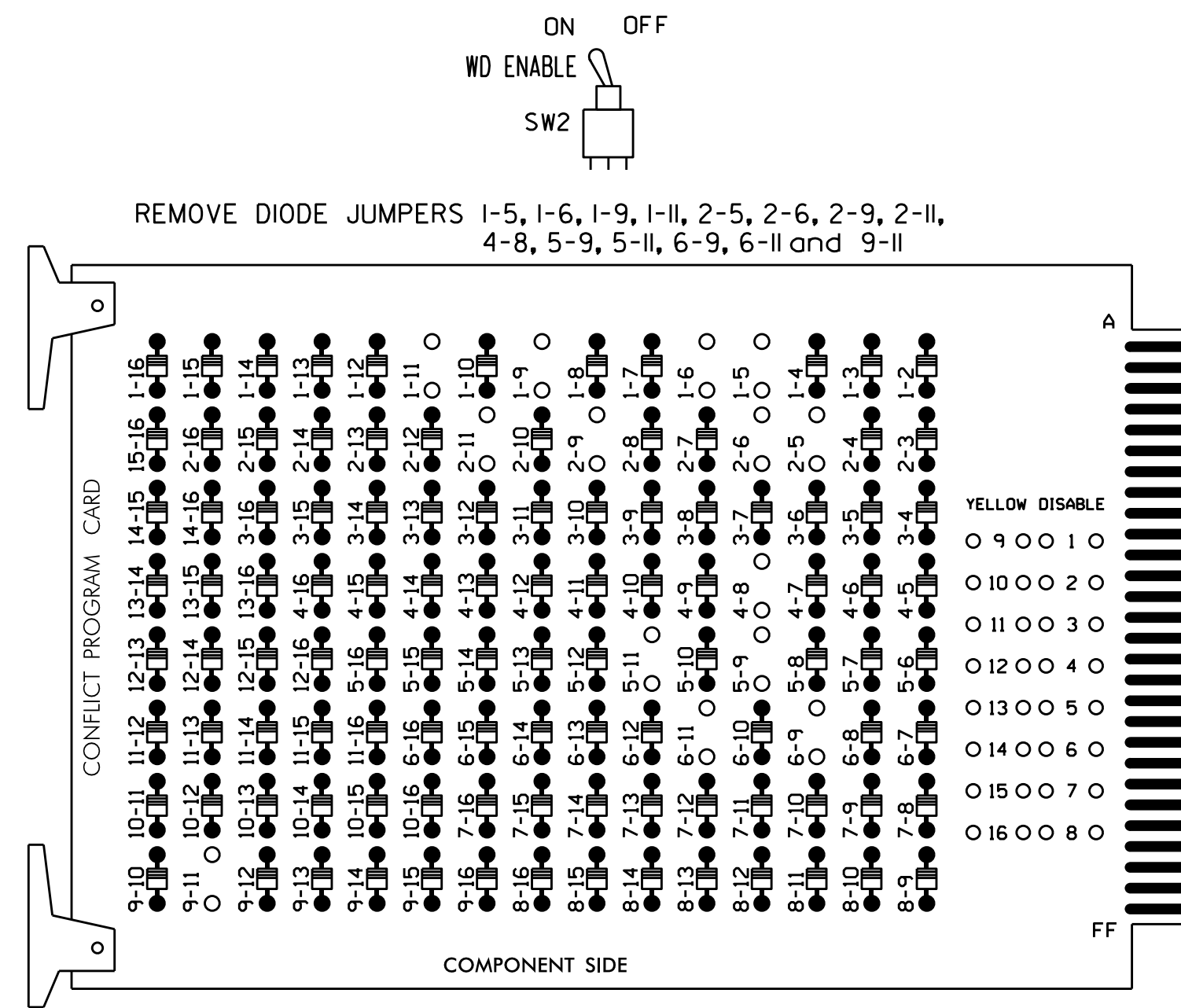


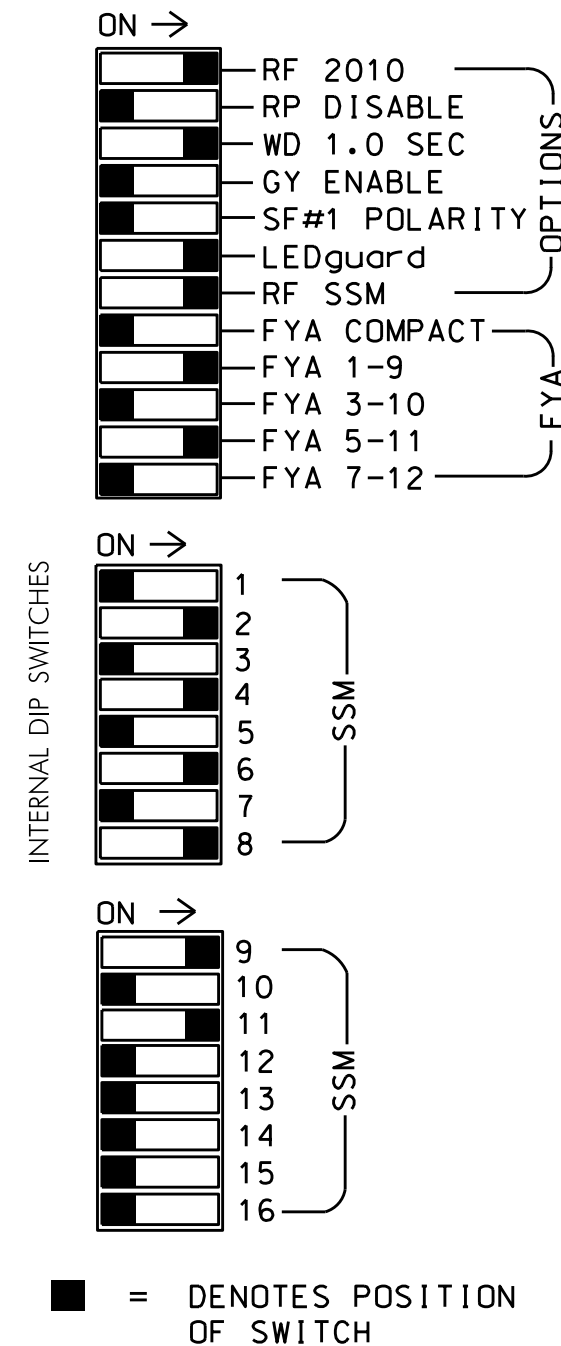
**EDI MODEL 2010ECL-NC CONFLICT MONITOR  
PROGRAMMING DETAIL**

(remove jumpers 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.



**INPUT FILE POSITION LAYOUT**

(front view)

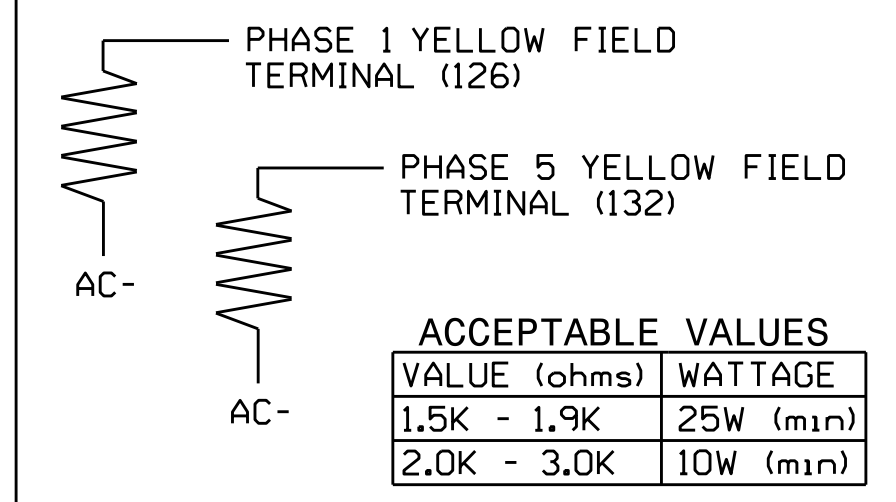
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I" U	∅ 1 1A	∅ 2 2A	∅ 2 2C	∅ 8 8A	∅ 4 4A	∅ 8 8B	∅ 4 4B	∅ 8 8B	∅ 4 4B	∅ 8 8B	∅ 4 4B	∅ 8 8B	∅ 4 4B	∅ 8 8B
FILE "J" U	∅ 5 5A	∅ 6 6A	∅ 6 6C	∅ 8 8A	∅ 4 4A	∅ 8 8B	∅ 4 4B	∅ 8 8B	∅ 4 4B	∅ 8 8B	∅ 4 4B	∅ 8 8B	∅ 4 4B	∅ 8 8B

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

FS = FLASH SENSE  
ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

**LOAD RESISTOR  
INSTALLATION DETAIL**



**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 used monitor channels, tie unused red monitor inputs 1,3,7, 10,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
3. Program phases 4 and 8 for Dual Entry.
4. Enable Simultaneous Gap-Out for all phases.
5. Program phases 2 and 6 for Start Up In Green.
6. Program phases 2 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps.
7. The cabinet and controller are part of the Fayetteville Signal System.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070L  
CABINET.....332  
SOFTWARE.....ECONOLITE OASIS  
CABINET MOUNT.....BASE  
OUTPUT FILE POSITIONS...18 (12-STD,6-AUX)  
LOAD SWITCHES USED.....S1,S2,S4,S5,S6,S8,S9,S12  
PHASES USED.....1,2,4,5,6,8  
OVERLAP 'A'.....1+2  
OVERLAP 'B'.....NOT USED  
OVERLAP 'C'.....5+6  
OVERLAP 'D'.....NOT USED

**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 <sup>1</sup>	TB2-1,2	I1U	56	18	1	1	Y	Y			15
	-	J4U	48	10	26	6	Y	Y			
	TB2-5,6	I2U	39	1	2	2	Y	Y			
2A	TB2-7,8	I2L	43	5	12	2	Y	Y			
2C	TB2-9,10	I3U	63	25	32	2	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			10
5A <sup>2</sup>	TB3-1,2	J1U	55	17	5	5	Y	Y			15
	-	I4U	47	9	22	2	Y	Y			
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
6C	TB3-9,10	J3U	64	26	36	6	Y	Y			
8A	TB4-5,6	I5U	58	20	3	8	Y	Y			3
8B	TB6-11,12	I9L	62	24	13	8	Y	Y			3

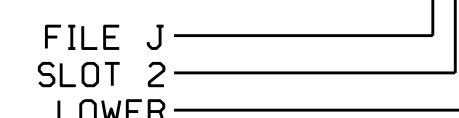
<sup>1</sup>Add jumper from I1-W to J4-W, on rear of input file.

<sup>2</sup>Add jumper from I4-W to J1-W, on rear of input file.

! Important: If present, remove jumpers from TB6-9 to TB6-11, and from TB6-10 to TB6-12.

! Important: If present, remove jumpers from TB7-9 to TB7-11, and from TB7-10 to TB7-12.

INPUT FILE POSITION LEGEND: J2L



**SIGNAL HEAD HOOK-UP CHART**

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14	
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	9	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22	NU	NU	41,42	NU	51	61,62	NU	NU	81,82	NU	11	NU	NU	51	NU	NU	
RED		128			101			134			107								
YELLOW	*	129			102		*	135			108								
GREEN		130			103			136			109								
RED ARROW														A121				A114	
YELLOW ARROW														A122				A115	
FLASHING YELLOW ARROW														A123				A116	
GREEN ARROW	127							133											

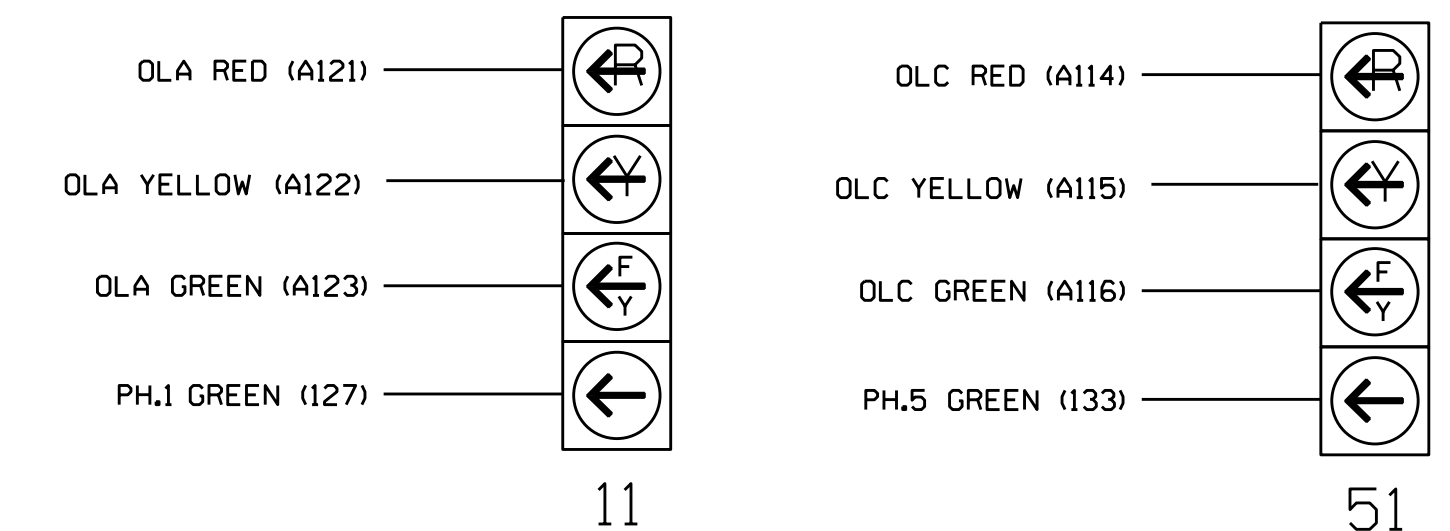
NU = Not Used

\* Denotes install load resistor. See Load Resistor Installation Detail this sheet.

\* See pictorial of head wiring in detail below.

**FYA SIGNAL WIRING DETAIL**

(wire signal heads as shown)



**NOTE:**

The display sequence for signal head 11 and 51 require special logic programming. See sheet 2 for programming instructions.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0037T1  
DESIGNED: July 2015  
SEALED: 8/25/15  
REVISED: N/A

Signal Upgrade - Sheet 1 of 2 - Temp 1 Phase 1 Steps 1-5

ELECTRICAL AND PROGRAMMING DETAILS FOR:  Prepared in the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	NC 24 (Bragg Boulevard) at West Rowan Street		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN
	Division 6 PLAN DATE: July 2015 PREPARED BY: B. Simmons	Cumberland County REVIEWED BY: REVIEWED BY:	
REVISIONS			DATE
DocuSigned by: George C. Brown 8/27/2015			DATE
SIG. INVENTORY NO. 06-0037T1			DATE