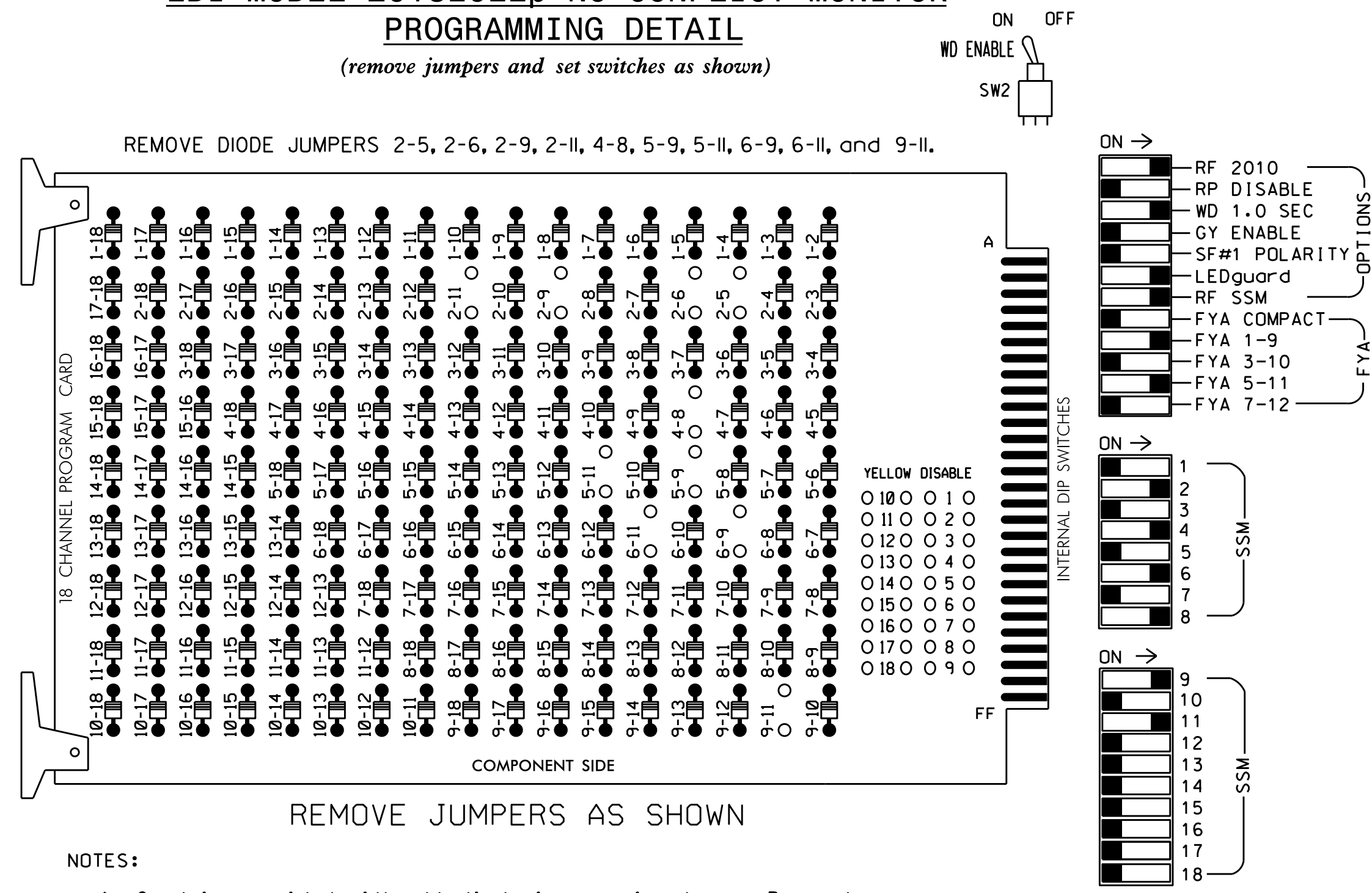


**EDI MODEL 2018ECLIP-NC CONFLICT MONITOR  
PROGRAMMING DETAIL**

(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. 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. Integrate monitor with Ethernet network in cabinet.

**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 phases 4 and 8 for Dual Entry.
3. Enable Simultaneous Gap-Out for all phases.
4. Program phases 2 and 6 for Variable Initial and Gap Reduction.
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 Asheville Signal System.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 CABINET.....332 W/ AUX  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S2,S5,S7,S8,S11,AUX S1,AUX S4  
 PHASES USED.....2,4,5,6,8  
 OVERLAP "A".....2  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....5+6  
 OVERLAP "D".....NOT USED

**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
CHU 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	51*	62,63	NU	NU	81,82	NU	61*	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								133										

NU = Not Used

\* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail below.

**INPUT FILE POSITION LAYOUT**

(from view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	S	∅2/SYS	-ORS	-ORS	∅4	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	FS
	2A/S1	∅2/SYS	-ORS	-ORS	4A	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	DC ISOLATOR
"J"	5A	∅6/SYS	∅6	∅8	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	ST
	6B/S4	∅6/SYS	NOT USED	NOT USED	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	-ORS	DC ISOLATOR

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

FS = FLASH SENSE  
 ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

**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/S1	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y			
2B/S2	TB2-7,8	I2L	43	5	12	2/SYS	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			10
5A <sup>1</sup>	TB3-1,2	J1U	55	17	5	5	Y	Y			15
		I4U	47	9	22	2	Y	Y	Y		3
6A/S3	TB3-5,6	J2U	40	2	6	6/SYS	Y	Y			
6B/S4	TB3-7,8	J2L	44	6	16	6/SYS	Y	Y			
6E	TB3-9,10	J3U	64	26	36	6	Y	Y	Y		3
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			10

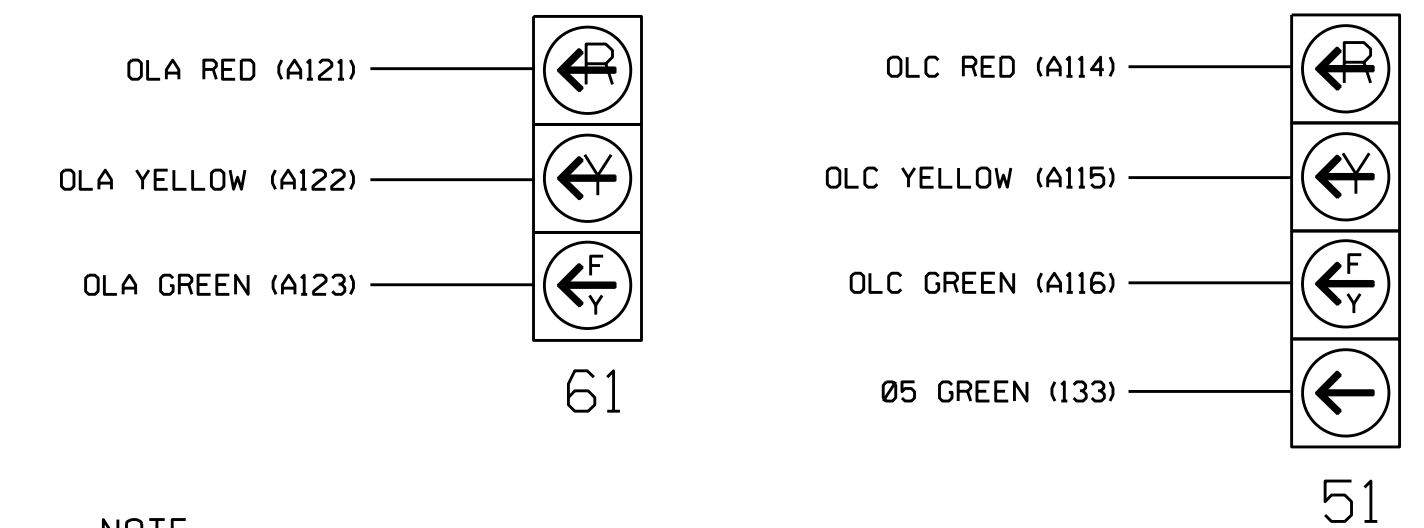
<sup>1</sup>Add jumper from J1-W to I4-W, on rear of input file.

**INPUT FILE POSITION LEGEND: J2L**



**FYA SIGNAL WIRING DETAIL**

(wire signal heads as shown)



**NOTE**

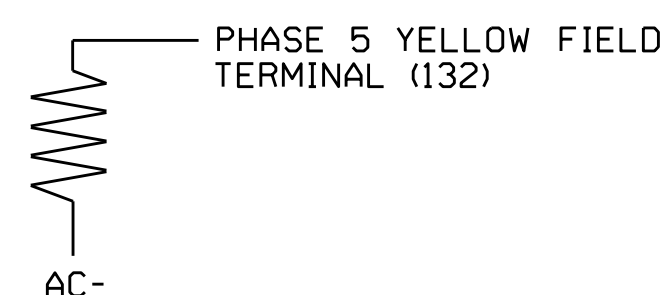
The sequence display for signal head 51 requires special logic programming. See sheet 2 for programming instructions.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0854  
 DESIGNED: January 2016  
 SEALED: 8/16/2016  
 REVISED: N/A

**LOAD RESISTOR INSTALLATION DETAIL**

(install resistor as shown below)

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



Prepared In the Offices of:  
 TRANSPORTATION MOBILITY AND SAFETY ADMINISTRATION  
 NORTH CAROLINA DIVISION OF TRANSPORTATION  
 Signal Management Section  
 750 N. Greenfield Pkwy, Garner, NC 27529

NC 191 (Brevard Road) at SR 3479 (Pole Creasman Road) / Carolina Metals Entrance

Division 13 Buncombe County Asheville

PLAN DATE: May 2016 REVIEWED BY: BAS  
 PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

Seal: KEITH M. MIMS, ENGINEER, 036880

DocuSigned by: Keith M. Mims 9/12/2016  
 2F80798EBCD3445 DATE

SIG. INVENTORY NO. 13-0854

13-AUG-2016 11:55  
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