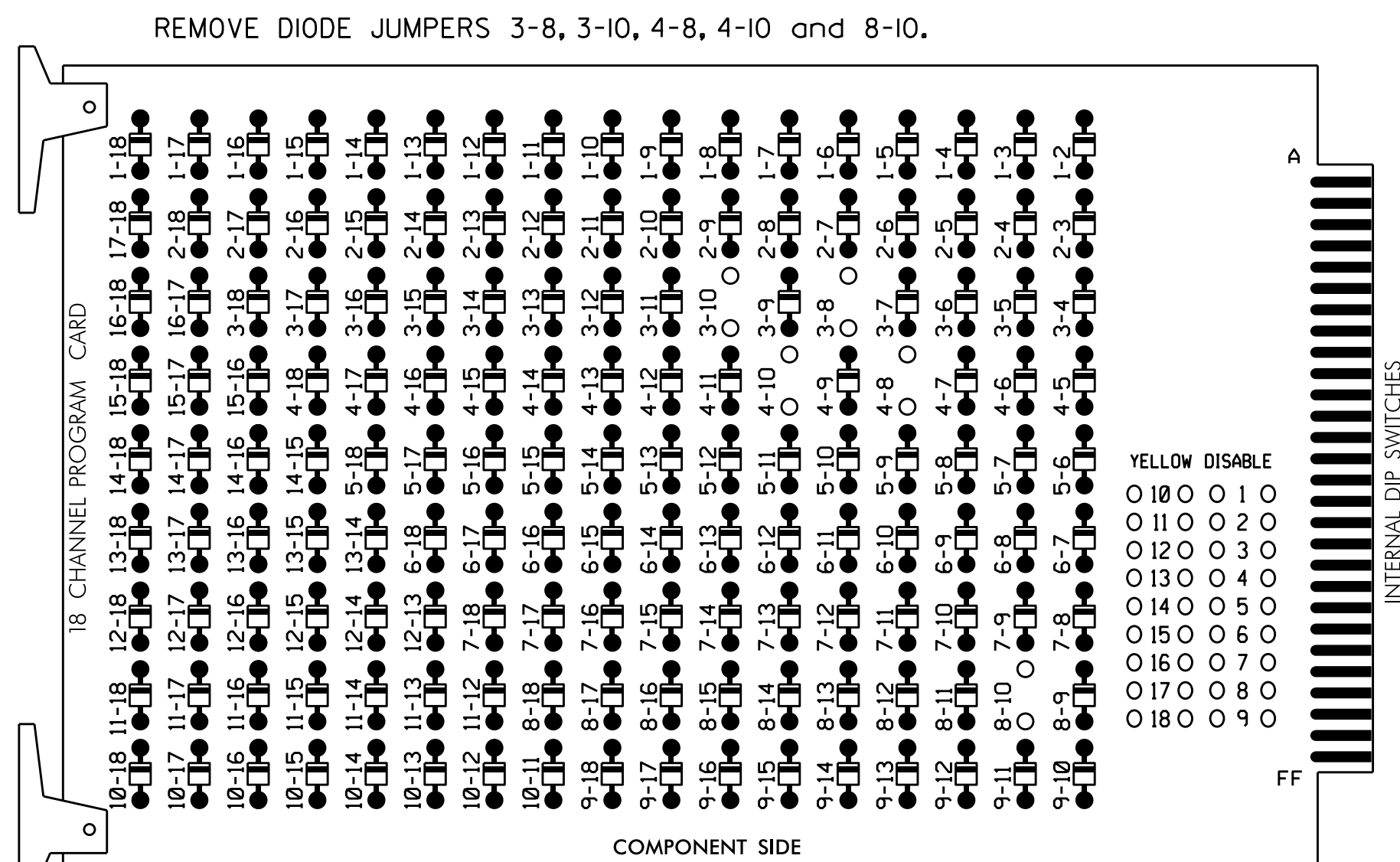


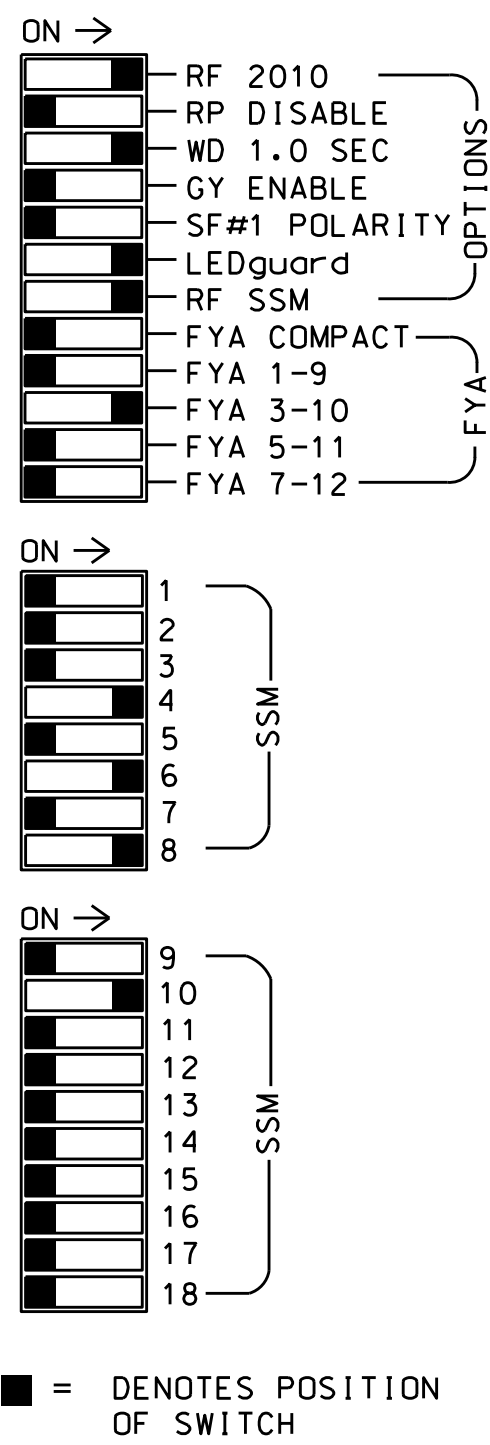
**EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(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. Enable Simultaneous Gap-Out for all phases.
3. Program phase 6 for Start Up In Green.
4. Program phase 6 for Yellow Flash, and overlap 2 as Wag Overlaps.
5. The cabinet and controller are part of the High Point Signal System.

**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.....S4,S5,S8,S11,AUX S2  
 PHASES USED.....3,4,6,8  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....3+4  
 OVERLAP "C".....NOT USED  
 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	
CMU 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	*DLB	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	NU	NU	NU	31	41,42	NU	NU	61,62 63	NU	NU	81,82	NU	NU	31	NU	NU	NU	NU	
RED					101			134			107								
YELLOW				*	102			135			108								
GREEN					103			136			109								
RED ARROW																		A124	
YELLOW ARROW																			A125
FLASHING YELLOW ARROW																			A126
GREEN ARROW																			118

NU = Not Used

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

\*\* FLASH NOTE: To ensure head 31 flashes concurrently with heads 81 and 82 remove the wire from O1-5 on the rear of the Output File and terminate it on O1-7.

\* See pictorial of head wiring in detail below.

**INPUT FILE POSITION LAYOUT**

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
"I"	L	←-VZM	←-VZM	←-VZM	←-VZM	∅ 3	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	FS
		←-VZM	←-VZM	←-VZM	←-VZM	3A	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	ISOLATOR
"J"	L	←-VZM	←-VZM	←-VZM	←-VZM	NOT USED	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	ST
		←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	←-VZM	ISOLATOR

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

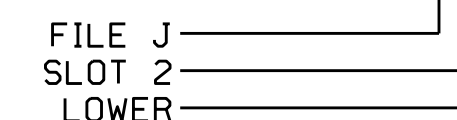
FS = FLASH SENSE  
 ST = STOP TIME

**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
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			15
* S1	TB6-9,10	I9U	60	22	11	SYS					
* S2	TB6-11,12	I9L	62	24	13	SYS					
* S3	TB7-9,10	J9U	59	21	15	SYS					

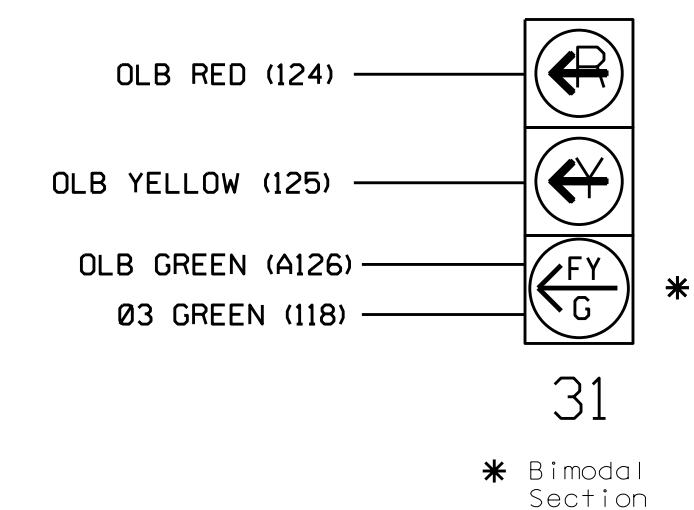
\* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

INPUT FILE POSITION LEGEND: J2L



**FYA SIGNAL WIRING DETAIL**

(wire signal heads as shown)



**NOTE**

1. The sequence display for these signals require special logic programming. See sheet 2 for programming instructions.

**PHASE SEQUENCE PROGRAMMING DETAIL**

(program controller as shown below)

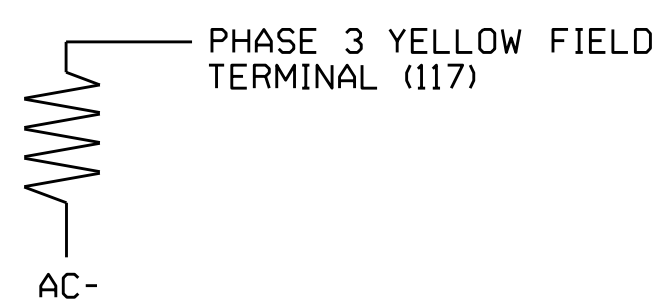
FROM OASIS LOCAL CONTROLLER MAIN MENU  
 SELECT: 4 PHASE SEQUENCE

PHASE SEQUENCE: PAGE 1	NEXT: PAGES)	RNG:LEAD	BARRIER 1	X-LAG:LEAD	BARRIER 2	X-LAG:LEAD	BARRIER 3	X-LAG
1	0	0	0	0	4	3	0	0
0	0	6	0	0	8	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0

**LOAD RESISTOR INSTALLATION DETAIL**

(install resistor as shown below)

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



Electrical Detail - Sheet 1 of 2

Electrical and Programming Details for: SR 1998 (West English Road) at North Elm Street

Division 7 Guilford County High Point

PLAN DATE: December 2014 REVIEWED BY: T. Joyce

PREPARED BY: B. SIMMONS REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: George C. Brown 3/17/2015

750 N. Greenfield Pkwy, Garner, NC 27529

SEAL: PROFESSIONAL ENGINEER, GEORGE C. BROWN, No. 022013

SIG. INVENTORY NO. 07-0771