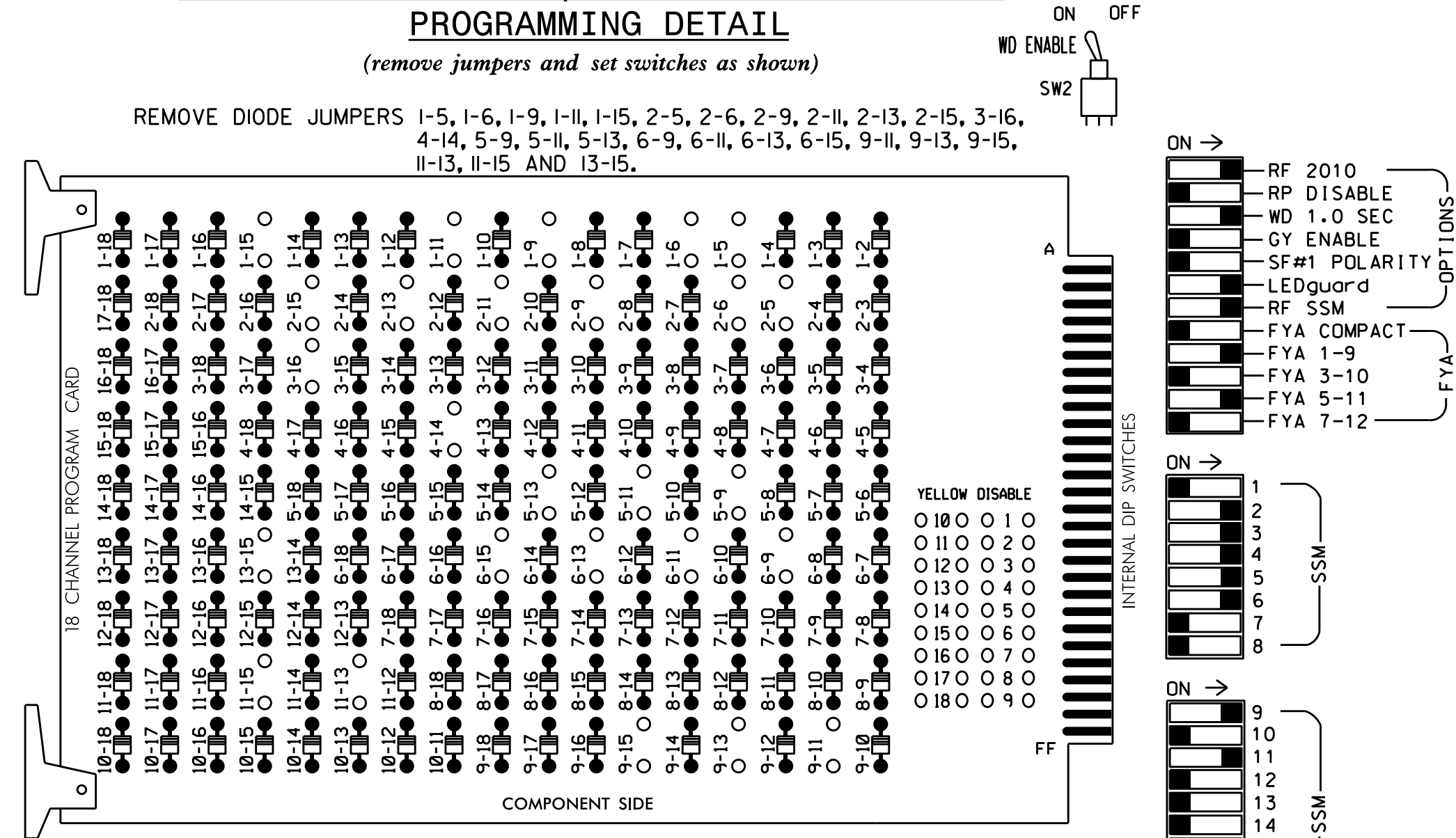


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL



- REMOVE JUMPERS 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.
  - Integrate monitor with Ethernet network in cabinet.

- #### 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.
  - Enable Simultaneous Gap-Out for all phases.
  - Program phases 2 and 6 for Start Up In Green.
  - Program phases 2,3,4 and 6 for 'STARTUP PED CALL'.
  - Program phases 2 and 6 for Yellow Flash and overlap 1 as Wag Overlaps.
  - The cabinet and controller are part of the Asheville Signal System.

#### 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			
EMU 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.	11*	21,22	P21, P22	31	32	41	42	P41, P42	42	51*	61,62	P61, P62	NU	NU	P31, P32	11	NU	51	NU	NU	
RED	128			116	116	101	101			*	134										
YELLOW	*	129		117	117	102	102				135										
GREEN		130		118	118	103	103				136										
RED ARROW																A121		A114			
YELLOW ARROW																A122		A115			
FLASHING YELLOW ARROW																A123		A116			
GREEN ARROW	127			118		103				133	133										
Hand				113						104										119	110
Walking				115						106											112

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 (front view)

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

EX.: 1A, 2A, ETC. = LOOP NO.'S  
 FS = FLASH SENSE  
 ST = STOP TIME

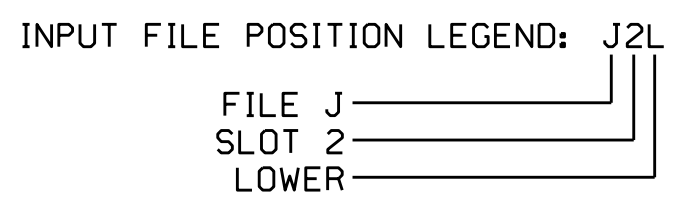
### EQUIPMENT INFORMATION

CONTROLLER.....2070E  
 CABINET.....332 W/ AUX  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8,S9,S12,  
 AUX S1, AUX S4  
 PHASES USED.....1,2,2 PED,3,3 PED,4,4 PED,5,6,6 PED  
 OVERLAP "A".....1+2  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....5+6  
 OVERLAP "D".....NOT USED

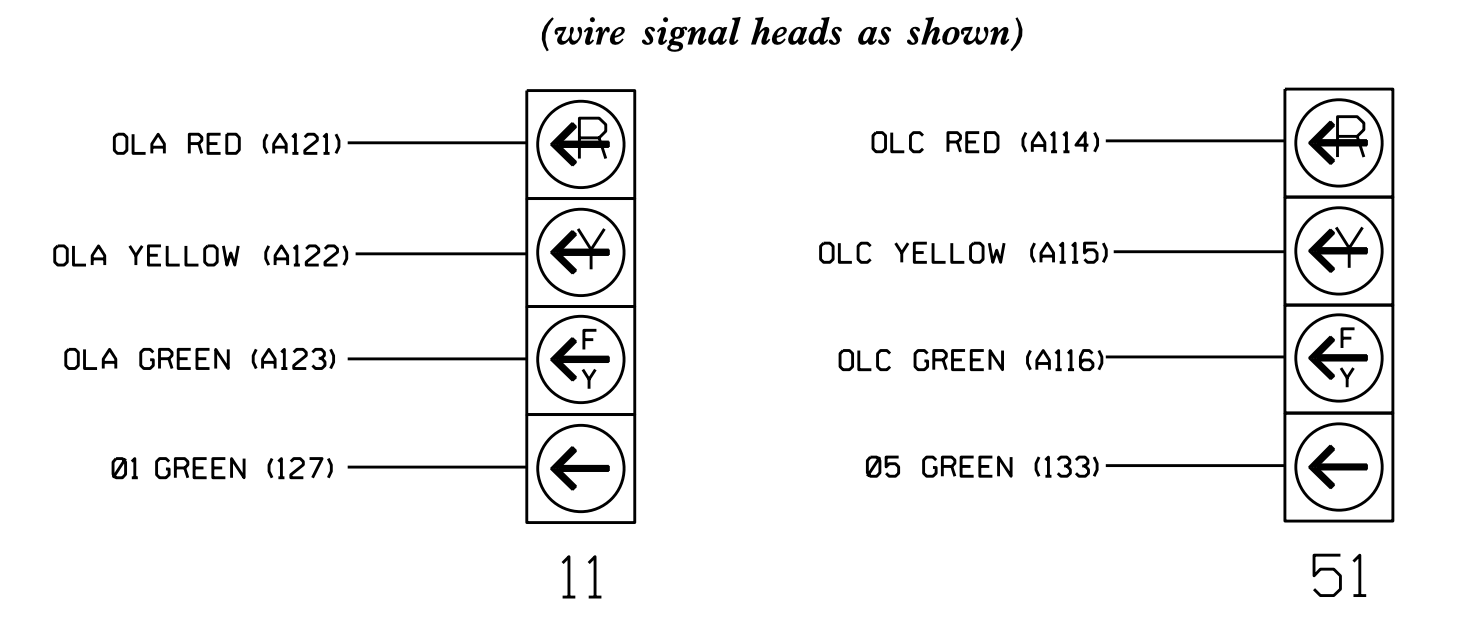
### INPUT FILE CONNECTION & PROGRAMMING CHART

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	TB2-1,2	I1U	56	18	1	1	Y	Y			15
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			3
3B	TB4-9,10	I6U	41	3	4	3	Y	Y			10
4A	TB4-11,12	I6L	45	7	14	4	Y	Y			
5A	TB3-5,6	J2U	40	2	6	5	Y	Y			15
5B	TB3-7,8	J2L	44	6	16	5	Y	Y			15

NOTE:  
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.



### 4 SECTION FYA PPLT SIGNAL WIRING DETAIL

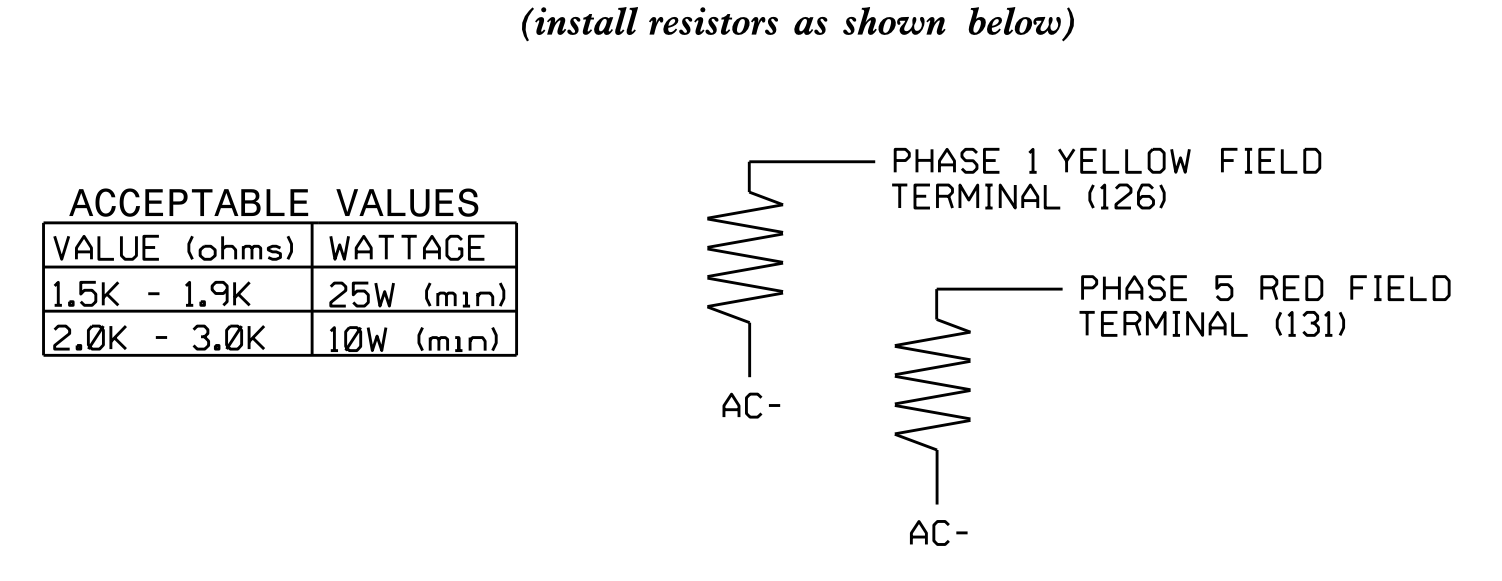


NOTE  
 1. The sequence display for these signals require special logic programming. See sheet 2 of 2 for programming instructions.

### COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

### LOAD RESISTOR INSTALLATION DETAIL



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0992  
 DESIGNED: June 2016  
 SEALED: 08/22/2016  
 REVISED:

ELECTRICAL DETAIL - SHEET 1 OF 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:  
 TRANSPORTATION MOBILITY AND SAFETY CONSULTANTS  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 JACHARY M. LITTLE  
 SEAL 030530

Haywood Street at O'Henry Ave./I-240 EB Ramp

Division 13 Buncombe County Asheville  
 PLAN DATE: August 2016 REVIEWED BY: BAS  
 PREPARED BY: A. F. Aslami REVIEWED BY:

REVISIONS INIT. DATE  
 8/24/2016  
 DATE  
 DATE  
 DATE

750 N. Greenfield Pkwy, Garner, NC 27529  
 SIG. INVENTORY NO. 13-0992

24-AUG-2016 10:41  
 S:\IT\SSU\13-0992\Signal\work\hgr\oups\sig\_Mph\Aslami\130992\_sml.ele\_xxxxx.dgn  
 gms\lml1