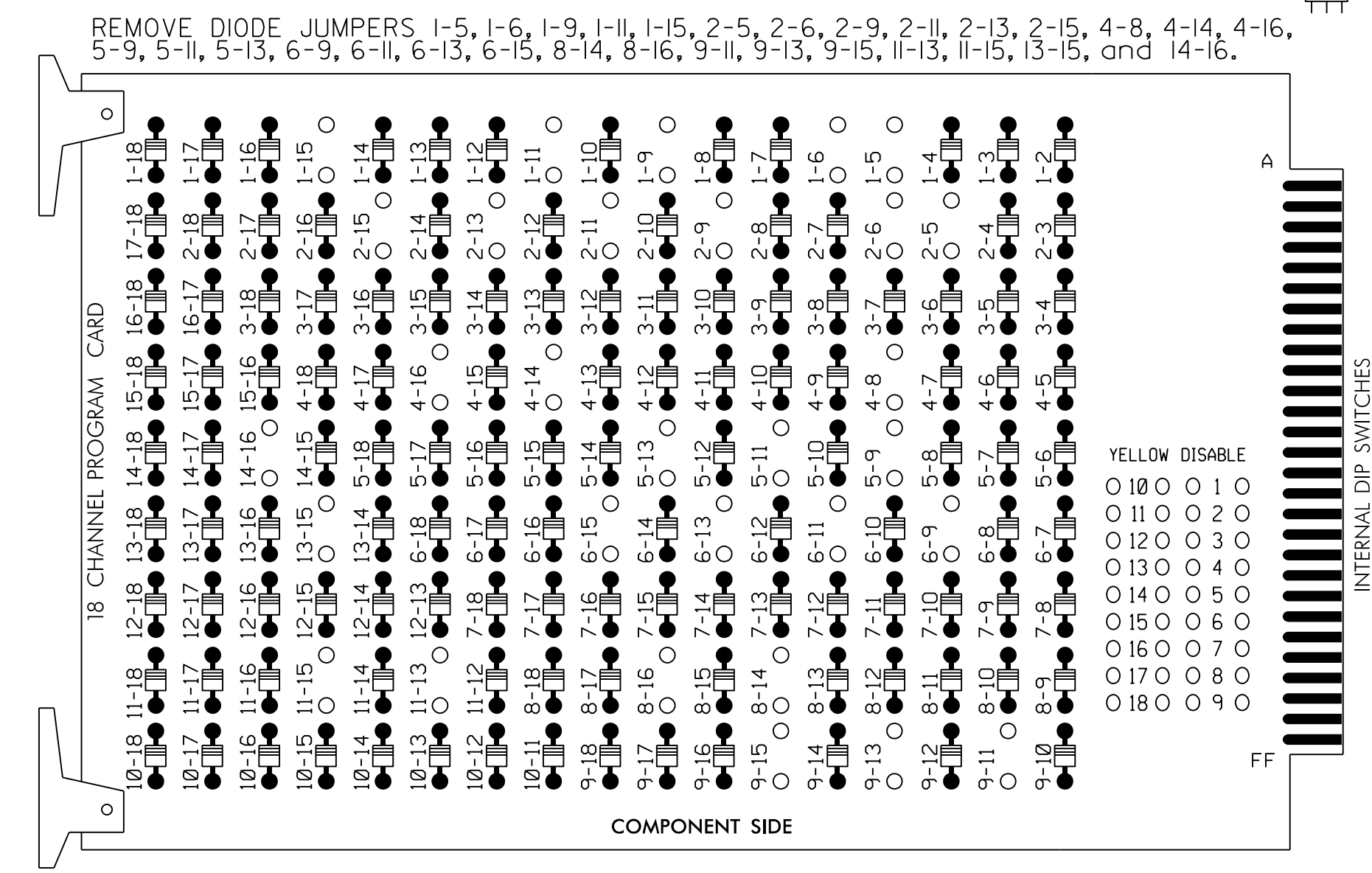


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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.
- Program controller to start up in phase 2 WALK and 6 WALK.
- The cabinet and controller are part of the Fayetteville Signal System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070  
 CABINET.....332 W/AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE S11,S12,AUX S1,AUX S4  
 LOAD SWITCHES USED.....1,2,2PED,4,4PED,5,6,6PED,8,8PED  
 PHASES USED.....1,2,2PED,4,4PED,5,6,6PED,8,8PED  
 OVERLAP A.....\*  
 OVERLAP B.....NOT USED  
 OVERLAP C.....NOT USED  
 OVERLAP D.....NOT USED  
 \* See Overlap Programming Detail on Sheet 2

### 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	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22,23	P21, P22	NU	41,42	P41, P42	51	61,62,63	P61, P62	NU	81,82	P81, P82	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										
Hand				113		104			119			110						
Walking				115		106			121			112						

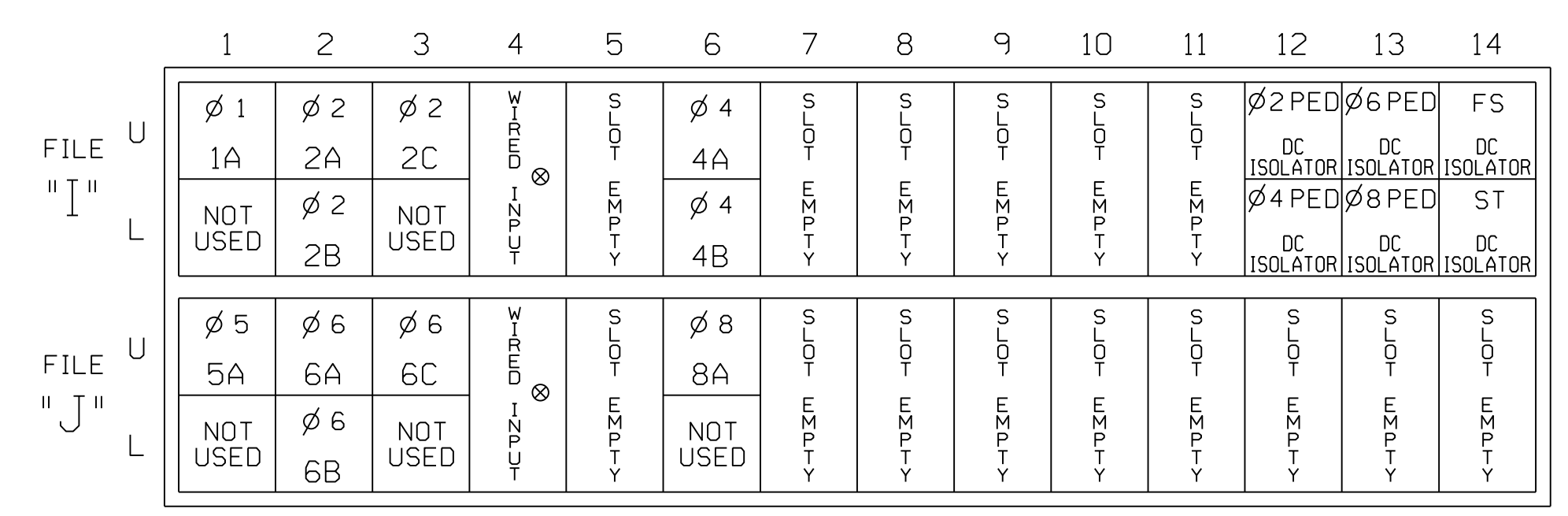
NU = Not Used

\* Denotes install load resistor. See load resistor installation detail this sheet.  
 \* See pictorial of head wiring in detail below.

### 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.

### INPUT FILE POSITION LAYOUT (front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S  
 \* Wired Input - Do not populate slot with detector card  
 FS = FLASH SENSE  
 ST = STOP TIME

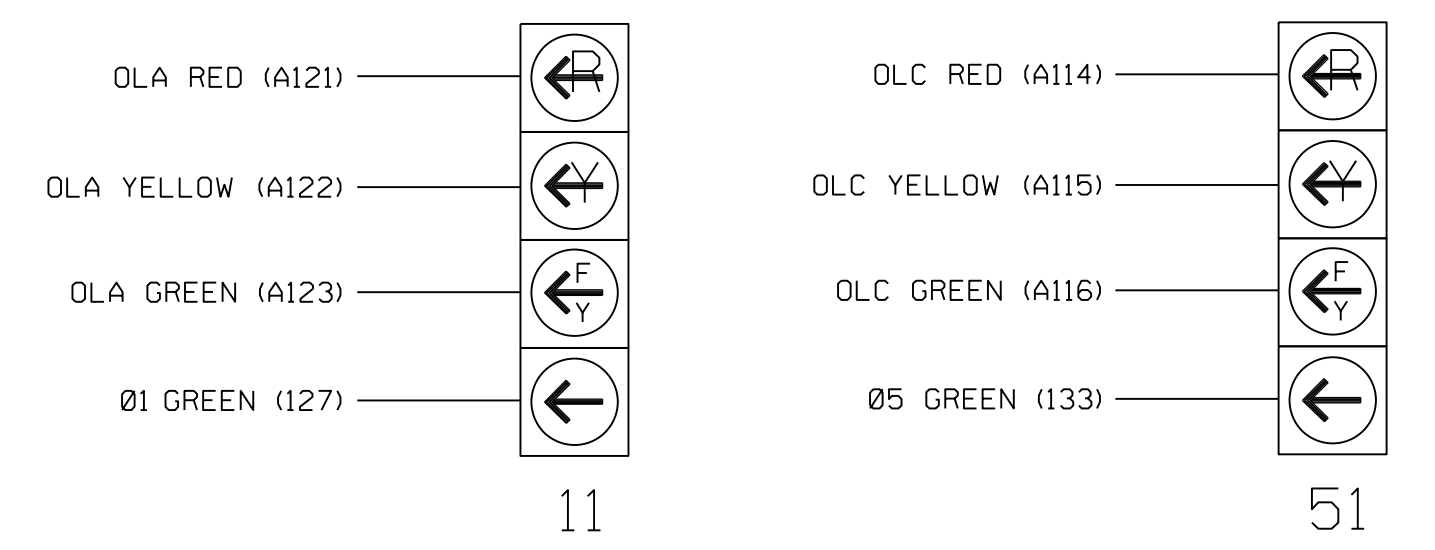
### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A <sup>1</sup>	TB2-1,2	I1U	56	1	1	YES		15		S
	-	J4U	48	26	6	YES		3		G
	2A	TB2-5,6	I2U	39	2	2	YES		X	N
2B	TB2-7,8	I2L	43	12	2	YES		X	N	
2C	TB2-9,10	I3U	63	32	2	YES		X	N	
4A	TB4-9,10	I6U	41	4	4	YES			S	
4B	TB4-11,12	I6L	45	14	4	YES			S	
5A <sup>2</sup>	TB3-1,2	J1U	55	5	5	YES		15		S
	-	I4U	47	22	2	YES		3		G
6A	TB3-5,6	J2U	40	6	6	YES		X	N	
6B	TB3-7,8	J2L	44	16	6	YES		X	N	
6C	TB3-9,10	J3U	64	36	6	YES		X	N	
8A	TB5-9,10	J6U	42	8	8	YES		10		S
PED PUSH BUTTONS										
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	PED 4	4 PED					
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED					
P81,P82	TB8-8,9	I13L	70	PED 8	8 PED					

NOTE:  
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.

- Add jumper from I1-W to J4-W, on rear of input file.
  - Add jumper from J1-W to I4-W, on rear of input file.
- \* See Vehicle Detector Setup Programming Detail for alternate phasing on Sheet 2.

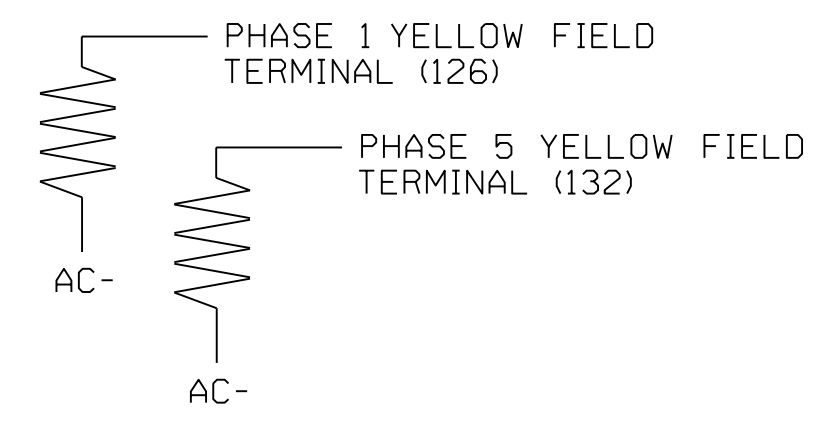
### FYA SIGNAL WIRING DETAIL (wire signal heads as shown)



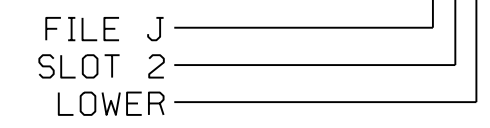
THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0592  
 DESIGNED: March 2018  
 SEALED: 03-29-2018  
 REVISED: N/A

### LOAD RESISTOR INSTALLATION DETAIL (install resistors as shown)

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



### INPUT FILE POSITION LEGEND: J2L



Final Design  
 Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:		US 401 (Raeford Road) at Revere Street/ Time Warner Cable Driveway	
Division 6	Cumberland County	Fayetteville	
PLAN DATE: March 2018	REVIEWED BY: L Overn	PREPARED BY: G B Spell	REVIEWED BY:
REVISIONS	INIT.	DATE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 LAWRENCE E. OVERN  
 3/29/2018  
 DATE  
 SIG. INVENTORY NO. 06-0592